

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

SELF ASSESSMENT REPORT(TIER - I) FOR Electronics & Communication Engineering

Part A : Institutional Information

1 Name and Address of the Institution

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY,
NANDYAL ANDHRA PRADESH 518501

2 Type of the Institution:

<input type="radio"/> Self-Supported Institute	<input checked="" type="radio"/> Autonomous
<input type="radio"/> Deemed University	<input type="radio"/> Non-Autonomous (Affiliated)
<input type="radio"/> University	<input type="radio"/> Any Other(Please Specify)
<input type="radio"/> Institute of National Importance	

3 Year of establishment of the Institution:

1995

4 Ownership Status:

<input type="radio"/> Central Government	<input type="checkbox"/> Any Other(Please Specify)
<input type="radio"/> State Government	
<input type="radio"/> Government Aided	
<input checked="" type="radio"/> Self financing	

5 Name and Address of Affiliating University(if any)

JNT University Anantapur, Ananthapuramu-515002, Andhra Pradesh, India

6 Other Academic Institutions of the Trust/Society/Company etc., if any

Name of Institutions	Year of Establishment	Programs of Study	Location
The Nandyal Public School	1986	Central Board of Secondary	Atmakur Road, Kothapalli (\\
The Nandyal Junior Colleg	1992	Board of Intermediate Educ	Atmakur Road, Kothapalli (\\

7 Details of all the programs being offered by the Institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Electronics & Communication Engineering	UG	1995	1995	60	Yes	240	Granted accreditation for 3 years for the period (specify period)	2023	2026		4
VLSI Design	PG	2023	2025	9	Yes	18	Not eligible for accreditation	--	--		2

Sanctioned Intake for Last Five Years for the VLSI Design											
Academic Year						Sanctioned Intake					
2025-26						18					
2024-25						09					
2023-24						09					
2022-23						0					
2021-22						0					
2020-21						0					

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Electronics & Communication Engineering

Table No. A8.2

S No	Name of the Department	Name of the Program	Name of Allied Departments/Cluster	Name of Allied Program
No record exist(s)				

9 Total Number of Faculty Members in Various Departments:

ID	Department Name	Number of faculty members in the Department (UG and PG)											
		2025-26 (CAY)				2024-25 (CAYm1)				2023-24 (CAYm2)			
		No. of Professors	No. of Associate Professors	No. of Assistant Professors	Total faculty members	No. of Professors	No. of Associate Professors	No. of Assistant Professors	Total faculty members	No. of Professors	No. of Associate Professors	No. of Assistant Professors	Total faculty members
1	Civil Engineering	1	3	24	28	1	3	23	27	1	3	20	24
2	Electrical and Electronics Engineering	5	4	15	24	5	4	15	24	5	4	15	24
3	Mechanical Engineering	3	6	19	28	3	5	19	27	3	4	19	26
4	Electronics and Communication Engineering	6	6	36	48	6	7	35	48	5	6	37	48
5	Computer Science and Engineering	5	6	52	63	5	6	45	56	5	6	26	37
6	Computer Science and Engineering (Data Science)	1	4	22	27	0	4	17	21	0	3	12	15
7	Computer Science and Engineering and Business Systems	0	0	6	6	1	0	8	9	1	0	8	9
8	Computer Science and Engineering (AI&ML)	1	0	17	18	1	1	4	6	0	1	2	3
9	Computer Science and Engineering (Cyber Security)	1	0	17	18	0	1	11	12	0	1	5	6

10 Total Number of Engineering Students in Various Departments:

ID	Department Name	Number of students in the Department (UG and PG)		
		2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)
1	Civil Engineering	346	367	350
2	Electrical and Electronics Engineering	453	459	467
3	Mechanical Engineering	398	397	375
4	Electronics and Communication Engineering	1081	1104	1062
5	Computer Science and Engineering	1321	1118	884
6	Computer Science and Engineering (Data Science)	858	678	532
7	Computer Science and Engineering and Business Systems	107	170	221
8	Computer Science and Engineering (AI&ML)	649	386	135
9	Computer Science and Engineering (Cyber Security)	362	248	129

11 Vision of the Institution:

1. To develop this rural based engineering college into an institute of technical education with global standards.
2. To become an institute of excellence which contributes to the needs of society.
3. To inculcate value based education with noble goal of "Education for peace and progress".

12 Mission of the Institution:

1. To build a world class undergraduate program with all required infrastructure that provides strong theoretical knowledge supplemented by the state of art skills.
 2. To establish postgraduate programs in basic and cutting edge technologies.
 3. To create conducive ambiance to induce and nurture research.
 4. To turn young graduates to success oriented entrepreneurs.
 5. To develop linkage with industries to have strong industry institute interaction.
 6. To offer demand driven courses to meet the needs of the industry and society.
 7. To inculcate human values and ethos into the education system for an all-round development of students.
-

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr. T. Jayachandra Prasad
Designation	Principal
Mobile No.	9440290470
Email ID	principal@rgmcet.edu.in

 NBA Coordinator, If Designated

Name	Dr. V. Naga Bhaskar Reddy
Designation	Professor & Head of EEE
Mobile No.	9959022458
Email ID	heee@rgmcet.edu.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	OUTCOME-BASED CURRICULUM	120	120.00
2	OUTCOME-BASED TEACHING LEARNING	120	120.00
3	OUTCOME-BASED ASSESSMENT	120	120.00
4	STUDENTS' PERFORMANCE	120	98.66
5	FACULTY INFORMATION	100	85.50
6	FACULTY CONTRIBUTIONS	120	113.51
7	FACILITIES AND TECHNICAL SUPPORT	100	100.00
8	CONTINUOUS IMPROVEMENT	80	80.00
9	STUDENT SUPPORT AND GOVERNANCE	120	120.00
	Total	1000	959

Part B : Criteria Summary

1 OUTCOME-BASED CURRICULUM (120)

Total Marks 120.00

1.1 Vision, Mission and Program Educational Objectives (PEOs) (35)

Total Marks 35.00

1.1.1 State the Vision and Mission of the Institute and the Department (5)

Institute Marks : 5.00

Vision of the institute	<ol style="list-style-type: none"> 1. To develop this rural based engineering college into an institute of technical education with global standards. 2. To become an institute of excellence which contributes to the needs of society. 3. To inculcate value based education with noble goal of "Education for peace and progress". 								
Mission of the institute	<ol style="list-style-type: none"> 1. To build a world class undergraduate program with all required infrastructure that provides strong theoretical knowledge supplemented by the state of art skills. 2. To establish postgraduate programs in basic and cutting edge technologies. 3. To create conducive ambiance to induce and nurture research. 4. To turn young graduates to success oriented entrepreneurs. 5. To develop linkage with industries to have strong industry institute interaction. 6. To offer demand driven courses to meet the needs of the industry and society. 7. To inculcate human values and ethos into the education system for an all-round development of students. 								
Vision of the Department	<p>To become a center of excellence in academics and research in Electronics and communication engineering. To empower society by addressing current and future needs through innovation, ethical practices and human-centered solutions</p>								
Mission of the Department	<table border="1"> <thead> <tr> <th data-bbox="232 959 356 1034">Mission No.</th> <th data-bbox="356 959 1025 1034">Mission Statements</th> </tr> </thead> <tbody> <tr> <td data-bbox="232 1034 356 1109">M1</td> <td data-bbox="356 1034 1025 1109">To educate the students in latest technologies to achieve best standards in theoretical and practical aspects</td> </tr> <tr> <td data-bbox="232 1109 356 1161">M2</td> <td data-bbox="356 1109 1025 1161">To have a strong collaboration with electronics industry</td> </tr> <tr> <td data-bbox="232 1161 356 1230">M3</td> <td data-bbox="356 1161 1025 1230">To develop indigenous and appropriate technologies at low cost to help the rural people</td> </tr> </tbody> </table>	Mission No.	Mission Statements	M1	To educate the students in latest technologies to achieve best standards in theoretical and practical aspects	M2	To have a strong collaboration with electronics industry	M3	To develop indigenous and appropriate technologies at low cost to help the rural people
Mission No.	Mission Statements								
M1	To educate the students in latest technologies to achieve best standards in theoretical and practical aspects								
M2	To have a strong collaboration with electronics industry								
M3	To develop indigenous and appropriate technologies at low cost to help the rural people								

1.1.2 State PEOs of the Program (5)

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	To educate competent Electronics and Communication Engineers in analysis, design and testing of electronics systems by providing modern tools
PEO2	To prepare graduates to take up gainful employment in core sector and prepare them for a successful career in Multinational companies
PEO3	To impart skills to develop affordable products for rural people by adopting multidisciplinary approach
PEO4	To undertake sponsored projects, consultancy and internships by strengthening industry institute collaboration

1.1.3 Process of Defining Vision, Mission and PEOs (10)

Institute Marks : 10.00

Process for defining the Vision and Mission:

- The HOD with the active participation of faculty members and based on the continuous feedback from stakeholders develops the vision and mission statement of the department in alignment with Vision and Mission of the Institute.
- These statements are discussed further among faculty members before finalization.
- The new vision and mission statements are sent to the Board of Studies of the department for approval.
- Finally, the Vision and Mission are approved by the Academic Council and the Governing Council.

Process for defining PEOs:

Process for establishing and revising Program Educational Objectives (PEOs) is depicted in Fig. 1.1, below. Alumni inputs are obtained through extensive alumni surveys with follow-up email and telephone calls by the Department HOD and associated faculty.

Students' input to our educational objectives is obtained in a number of traditional ways, including presentations at seminars, course and program surveys, and through focus groups conducted with graduating seniors by the Department HOD. This feedback is condensed and presented to faculty in the final faculty meeting. Students also participate in a course evaluation process at the end of each course. Whole process is organized in following steps:

- **STEP-1:** The thrust areas are identified from existing literature from industries, electronic media and interaction with the society before listing of PEOs.
- **STEP-2:** PEOs are stated by the organizing Committee of the department after thorough investigation.
- **STEP-3:** PEOs are communicated to the industry experts, Academician and alumni, their recommendations are incorporated.
- **STEP-4:** PEOs are analytically discussed within the department, feedback is conceded and finalized.

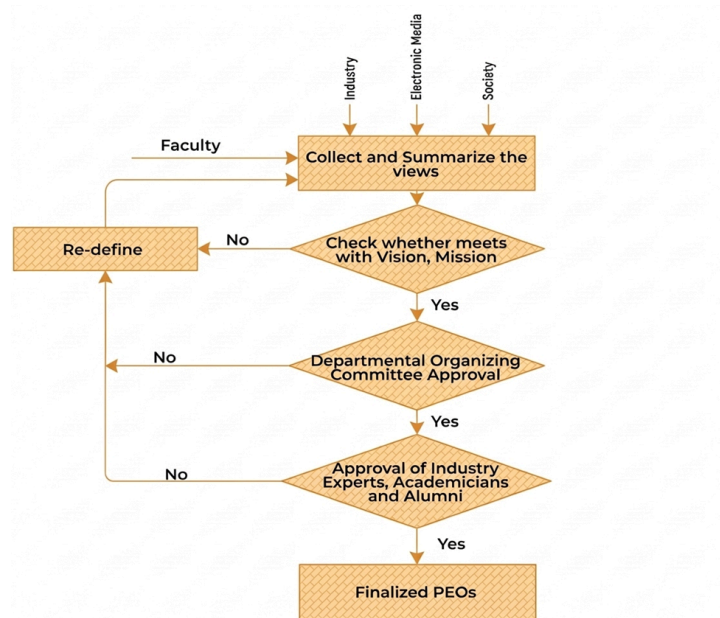


Fig. 1.1 Flow chart for the process of defining Vision, Mission and PEOs of the Department

Process for establishing and revising Program Educational Objectives (PEOs) is depicted in Fig. 1.1. The flowchart shows the process of developing and finalizing PEOs (Program Educational Objectives) through consultation, evaluation, and approvals. Here is a step-by-step explanation of the process:

i. **Collect and Summarize the Views**

- The process begins by collecting opinions and feedback from stakeholders such as faculty, industry professionals, alumni, and possibly students.
- These inputs are analyzed and summarized to form initial ideas for the Program Educational Objectives.

ii. Check Whether It Meets the Vision and Mission

- The summarized views are then evaluated against the institution's Vision and Mission.
- This step ensures that the proposed objectives align with the long-term goals and purpose of the department/institution.

Decision Point:

- If the objectives do not align, the process moves to Re-define.
- If they align properly, the process continues to the next stage.

iii. Re-define

- When the objectives fail to match the vision and mission, they are revised or redefined.
- After modification, they are sent back for evaluation again to check alignment with the vision and mission.

(This creates a feedback loop until the objectives satisfy the requirements.)

iv. Departmental Organizing Committee Approval

- Once the objectives meet the vision and mission criteria, they are submitted to the Departmental Organizing Committee.
- The committee reviews and approves the proposed objectives.

v. Approval of Industry Experts, Academicians, and Alumni

- After departmental approval, the objectives are validated by external stakeholders, including: Industry experts, Academicians, Alumni.
- This Step ensures that the objectives are relevant to industry needs, academic standards, and professional expectations.

vi. Finalized PEOs

- After receiving all necessary approvals, the Program Educational Objectives are finalized.
- These finalized PEOs guide the educational goals and outcomes for the program.

1.1.4 Dissemination of Vision, Mission and PEOs (5)

Institute Marks : 5.00

- Vision statements are reviewed and refined during the stake holder meetings to ensure alignment with the institute Vision.
- The revised Vision statements are displayed in the premises of the Department and awareness is created among all stakeholders during BOS meeting and in regular teaching classes
- It is a regular practice for faculty and students to engage in discussions on the mapping of Course Outcomes (COs) with Program Outcomes (POs), along with the institution's Vision and Mission statements.
- Vision and Mission of the department and PEOs are published in curriculum book and disseminated among stake holders
- Communicated to the stakeholders through electronic media and meetings
- Published on departmental folio on the website (<https://www.rgmct.edu.in/department-of-eee>)
- Also published on digital display panels across the campus.
- Displayed in classrooms, corridor, department office, department library and laboratories.

1.1.5 Mapping of PEOs with Mission (10)

Institute Marks : 10.00

PEO Statements	M1	M2	M3
To educate competent Electronics and Communication Engineers in analysis, design and testing of electronics systems by providing modern tools	3 <input type="text" value="3"/> <input type="button" value="v"/>	2 <input type="text" value="2"/> <input type="button" value="v"/>	2 <input type="text" value="2"/> <input type="button" value="v"/>
To prepare graduates to take up gainful employment in core sector and prepare them for a successful career in Multinational companies	2 <input type="text" value="2"/> <input type="button" value="v"/>	3 <input type="text" value="3"/> <input type="button" value="v"/>	2 <input type="text" value="2"/> <input type="button" value="v"/>
To impart skills to develop affordable products for rural people by adopting multidisciplinary approach	2 <input type="text" value="2"/> <input type="button" value="v"/>	2 <input type="text" value="2"/> <input type="button" value="v"/>	3 <input type="text" value="3"/> <input type="button" value="v"/>
To undertake sponsored projects, consultancy and internships by strengthening industry institute collaboration	2 <input type="text" value="2"/> <input type="button" value="v"/>	3 <input type="text" value="3"/> <input type="button" value="v"/>	2 <input type="text" value="2"/> <input type="button" value="v"/>

1.2 Curriculum Structure and Features (30)

Total Marks 30.00

1.2.1 State the Process for Developing/Revising the Program Curriculum (10)

- The curriculum and course structure developed for the Electronics and Communication Engineering and the syllabus adopted for every subject is designed to attain academic quality and to meet the necessities of stakeholders and also to satisfy the Mission of the department. Fig. 2.1 illustrates the process for designing the program curriculum.
- Curriculum has been revised in association to the Vision, Mission and PEOs.
- The curriculum has the balance in the composition of Basic Science Courses, Engineering Science Courses, Humanities and Social Science Courses, Program Core, Discipline Specific Electives, Generic Elective, Skill Enhancement Elective, Basic Life skills and Project Work.
- The feedback from the internal stake holders (Students, Faculty) and external Stake holders (Industry experts, Parents, and with the other reputed university members) have been received.
- The following is the process used to identify extent of compliance of curriculum for attaining the PO's and PSO's.
 - Identify Course Outcomes for each subject
 - Map each Course Outcome with POs and PSOs
 - Based on All CO-POs/PSOs mapping, Map subject with POs and PSOs
 - Categorize entire Curriculum into Core Courses, Science & Humanities, Programming, Inter Disciplinary, Projects/ Lab Practices
 - Map each category with POs and PSOs
 - The curriculum and syllabus are presented to the Board of studies members for approval. The final approval of curriculum and syllabus is done by the Department expert members as and when required.
- Department curriculum has been revised the regulations five times from date of conferred autonomous status by UGC from 2010.
- Regulations: RGM-R-10 (240 credits), RGM-R-12 (198 credits), RGM-R-15 (200 credits), RGM-R-19 (160 credits), RGM-R-20 (163 credits) & RGM-R-23 (160 credits)
- During CAY (2025-26) I, II and III-B.Tech holds with the regulations of R-23, IV-B.Tech is implemented with the regulations of R20. Structure of curriculum reflects as per the corresponding regulations.

List of 12 POs for 2023-24:

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems..

PO2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations

PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Knowledge and Attitude Profile (WK) for 11 POs:

WK1: A systematic, theory-based understanding of the natural sciences applicable to the discipline and awareness of relevant social sciences.

WK2: Conceptually-based mathematics, numerical analysis, data analysis, statistics and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.

WK3: A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.

WK4: Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.

WK5: Knowledge, including efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.

WK6: Knowledge of engineering practice (technology) in the practice areas in the engineering discipline.

WK7: Knowledge of the role of engineering in society and identified issues in engineering practice in the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.

WK8: Engagement with selected knowledge in the current research literature of the discipline, awareness of the power of critical thinking and creative approaches to evaluate emerging issues.

WK9: Ethics, inclusive behavior and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.

List of POs 11 w.e.f 2024-25:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyse complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5 and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

- Curriculum changes are incorporated in RGM-R10 by adopting more practical exposure by introducing three practical courses in each semester and also one Skill Development Course is introduced from II-B.Tech., I-Sem onwards.
- Curriculum changes are incorporated in RGM-R12 by adopting more changes in the syllabus of I-B.Tech by motivating them with fundamental aspects towards engineering sciences.

- Choice Based Credit System (CBCS) has been introduced in RGM-R15 by incorporating credit system for the program, concepts of Massive On-line Open Course (MOOCs), offering Minor degree in Signal Processing and Embedded Systems and the minor degree offered in R19 regulations is modified as minor degree in Electronics and Communication.
- Introduced Gap Year concept in RGM-R15 about the concept of student entrepreneur in residence and outstanding students, who wish to pursue entrepreneurship are allowed to break of one year at any time after I-Year to pursue entrepreneurship fulltime by the recommendation of evaluation committee.
- The curriculum is also strengthened in RGM-R15 by introducing Open Electives (Courses offered to other departments) and Extra Academic Activities (EAA).
- RGM-R-19 is revised as per the AICTE Guidelines without exemption of credits, it also introduced Mandatory learning courses and internships. HONORs introduced from these regulations.
- RGM-R-20 is revised in the next consecutive year which retains the regulations of R-19 apart from the APSCHE recommendations.
- RGM-R-23 is revised in the next consecutive year which retains the regulations of R-20 apart from the JNTUA recommendations.

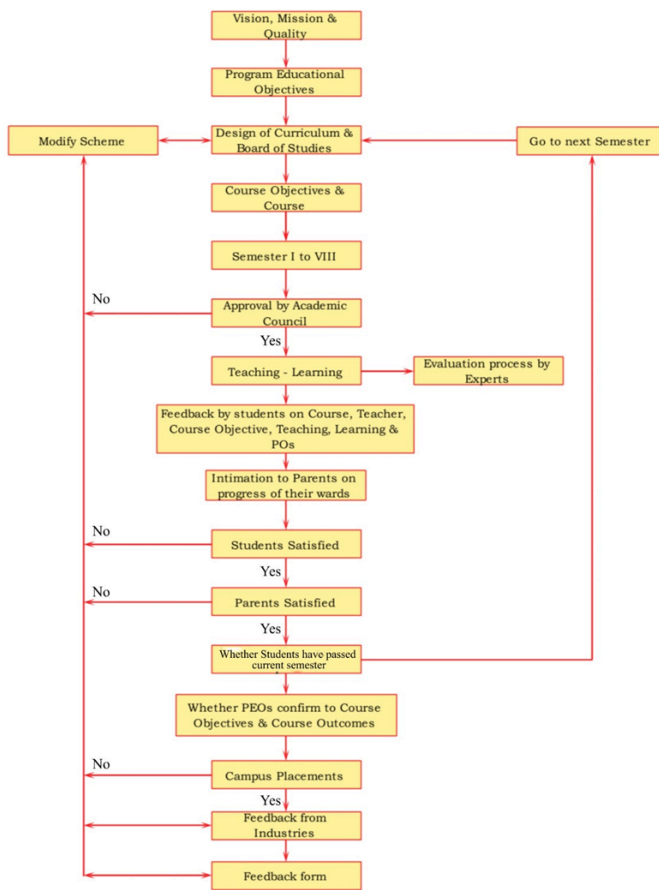


Fig. 2.1 Process for designing Program Curriculum

1.2.2 Curriculum Structure (10)

Institute Marks : 10.00

[Edit](#)

ID	Course Code	Course Title	Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester	Total Credits (C)* (Total Hours/30)
			L	T	P	SL		
1	A0001231	Engineering Physics	74	16	0	0	90	3.00
2	A0002231	Linear Algebra & Calculus	74	16	0	0	90	3.00
3	A0201231	Basic Electrical & Electronics Engineering	74	16	0	0	90	3.00
4	A0001231	Engineering Graphics	30	0	60	0	90	3.00
5	A0501231	Introduction to Programming	60	30	0	0	90	3.00
6	A3271231	IT Workshop	0	0	30	0	30	1.00
7	A0071231	Engineering Physics Lab	0	0	30	0	30	1.00
8	A0271231	Electrical & Electronics Engineering Workshop	0	0	45	0	45	1.50
9	A0571231	Computer Programming Lab NSS/NCC/Scouts & Guides /Community Service	0	0	45	0	45	1.50
10	A0072231	NSS/NCC/Scouts & Guides/Community Service	0	0	15	0	15	0.50
11	A0003231	Communicative English	50	10	0	0	60	2.00
12	A0004231	Chemistry	74	16	0	0	90	3.00
13	A0005232	Differential Equations & Vector Calculus	74	16	0	0	90	3.00
14	A0101231	Basic Civil & Mechanical Engineering	74	16	0	0	90	3.00
15	A0401232	Network Analysis	74	16	0	0	90	3.00
16	A0073231	Communicative English Lab	0	0	30	0	30	1.00
17	A0074231	Chemistry Lab	0	0	30	0	30	1.00

18	A0371231	Engineering Workshop	0	0	45	0	45	1.50
19	A0471232	Network Analysis and Simulation Lab	0	0	45	0	45	1.50
20	A0075231	Health and wellness, Yoga and Sports	0	0	15	0	15	0.50
21	A0015233	Probability and Complex Variables	74	16	0	0	90	3.00
22	A0008233	Universal Human Values – Understanding Harmony and Ethical Human Conduct	74	16	0	0	90	3.00
23	A0406233	Signals, Systems and Stochastic Processes	74	16	0	0	90	3.00
24	A0405233	Electronic Devices and Circuits	74	16	0	0	90	3.00
25	A0404233	Digital Circuits Design	74	16	0	0	90	3.00
26	A0473233	Electronic Devices and Circuits Lab	0	0	45	0	45	1.50
27	A0472233	Digital Design & Signal Simulation Lab	0	0	45	0	45	1.50
28	A0503234	Python Programming (SDC)	0	20	40	0	60	2.00
29	A9901233	Environmental Science (MLC-Non Credit Course)	0	0	0	0	0	0.00
30	A0010234	Management Course-I (Managerial Economics and Financial Analysis)	45	15	0	0	60	2.00
31	A0410234	Linear Control Systems	74	16	0	0	90	3.00
32	A0409234	EM Waves and Transmission Lines	74	16	0	0	90	3.00
33	A0408234	Electronic Circuits Analysis	74	16	0	0	90	3.00
34	A0407234	Analog and Digital Communications	74	16	0	0	90	3.00
35	A0475234	Electronic Circuits Analysis Lab	0	0	45	0	45	1.50
36	A0474234	Analog and Digital Communications Lab	0	0	45	0	45	1.50
37	A0014234	Soft Skills (SDC)/Global Certification	0	0	0	60	60	2.00
38	A0009234	Design Thinking and Innovation	15	0	45	0	60	2.00
39	A0414235	Analog and Digital IC Applications	74	16	0	0	90	3.00

40	A0415235	Antennas & Wave Propagation	74	16	0	0	90	3.00
41	A0413236	Microprocessors and Microcontrollers	74	16	0	0	90	3.00
42	A0024235	Introduction to Quantum Technologies and Applications	74	16	0	0	90	3.00
43	A0417235	Professional Elective-I/ MOOCs-NPTEL	0	0	0	90	90	3.00
44	A0541235	Open Elective-I (Fundamentals of Artificial Intelligence)	74	16	0	0	90	3.00
45	A0478235	Analog & Digital IC Applications Lab	0	0	45	0	45	1.50
46	A0477236	Microprocessors and Microcontrollers Lab	0	0	45	0	45	1.50
47	A0480235	PCB Design and Prototype development Lab (SDC)	0	15	45	0	60	2.00
48	A0077235	Tinkering Lab	0	0	30	0	30	1.00
49	A0078235	Evaluation of Community Service Internship	0	0	0	60	60	2.00
50	A0420236	Digital Signal Processing	74	16	0	0	90	3.00
51	A0421236	Microwave and Optical Communications	74	16	0	0	90	3.00
52	A0422236	VLSI Design	74	16	0	0	90	3.00
53	A0423236	Professional Elective-II (Electronic Measurements and Instrumentation)	74	16	0	0	90	3.00
54	A0426236	Professional Elective-III (1. Digital Image Processing)	74	16	0	0	90	3.00
55	A0520236	Open Elective-II (Machine Learning)	74	16	0	0	90	3.00
56	A0481236	Microwave and Optical Communications Lab	0	0	45	0	45	1.50
57	A0482236	VLSI Design Lab	0	0	45	0	45	1.50
58	A0483236	Skill Development course / Global Certification	0	0	0	60	60	2.00
59	A0023236	Technical Paper Writing & IPR (MLC-Non Credit Course)	0	0	0	0	0	0.00
60	A0428237	Data Communications and Networking	74	16	0	0	90	3.00

61	A0027237	Management Course-II (Business Ethics and Corporate Governance)	45	15	0	0	60	2.00
62	A0441237	Professional Elective-IV (Radar Engineering)	74	16	0	0	90	3.00
63	A0444237	Professional Elective-IV (Low Power VLSI Design)	74	16	0	0	90	3.00
64	A0043237	Open Elective-III/MOOCs (Introduction to Quantum Mechanics)	0	0	0	90	90	3.00
65	A0513235	Open Elective-IV (Introduction to Computer Networks)	74	16	0	0	90	3.00
66	A0484237	Skill oriented course (RF System Design tools)	0	16	44	0	60	2.00
67	A0081237	Audit Course (Gender Sensitization)	0	0	0	0	0	0.00
68	A0082237	Evaluation of Industry Internship	0	0	0	60	60	2.00
69	A0083238	Internship	0	0	0	120	120	4.00
70	A0084238	Project	0	0	240	0	240	8.00
		Total	2539	617	1194	540	4890	163.00

1.2.3 Components of Curriculum (5)

Institute Marks : 5.00

Course Components	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	12.26	600.00	20.00
Basic Engineering	14.41	705.00	23.50
Humanities and Social Scie	7.36	360.00	12.00
Program Core	35.27	1725.00	57.50
Program Electives	12.88	630.00	21.00
Open Electives	7.36	360.00	12.00
Project(s)	4.9	240.00	8.00
Internships/Seminars	4.9	240.00	8.00
Any other (Please specify)	0.6	30.00	1.00
Total number of Credits			163.00

1.2.4 Strategies for Education Reforms (5)

Education reforms are designed to build a flexible, inclusive, and student-centric learning environment in alignment with the vision of the **National Education Policy (NEP) 2020**. As per the NEP multiple entry and multiple exit provision to students. To achieve this, a series of strategies and activity-mapping mechanisms have been adopted for effective implementation.

1. Curriculum Design: Multidisciplinary and Interdisciplinary Programs

Multidisciplinary Approach:

- A flexible curriculum structure has been introduced, enabling students to select major and minor subjects across different disciplines.
- Skill-based and value-added courses are offered alongside core subjects to enhance employability and holistic learning.

Interdisciplinary Approach:

- Global certification programs integrating two or more disciplines are being offered.
- Students are encouraged to undertake interdisciplinary research projects that connect knowledge from multiple fields.
- Students are encouraged to undertake NPTEL /MOOCs, MINOR and HONOR courses.

Implementation Plan:

- Curriculum development committees comprising experts from diverse academic domains have been constituted.
- Periodic curriculum reviews and consultations with stakeholders are conducted to ensure relevance and quality.

2. Academic Bank of Credits (ABC) and APAAR

The **Academic Bank of Credits (ABC)** system enables students to digitally store, transfer, and redeem academic credits earned from recognized institutions, thereby supporting academic mobility and flexibility.

- The institution has been registered on the ABC portal.
- Unique ABC IDs have been generated for students.
- Institutional examination and credit systems have been integrated with the ABC platform.
- As per the NEP multiple entry and multiple exit provision to students.
- GAP year concept
- Strictly adhered to the JNTUA curriculum given chance of alternating only 10 %

Overall, these reform strategies emphasize flexible curriculum structures, the integration of multidisciplinary and interdisciplinary learning, the implementation of the Academic Bank of Credits, and the adoption of **APAAR** for digital academic identity. Together, these initiatives enhance academic mobility, transparency, and the holistic development of learners.

Higher Education Reforms as per National Education Policy (NEP) 2020:

- Multiple Entry/Exit Options: Flexibility in undergraduate degrees with certificates/diplomas.
- Multidisciplinary Education: Flexible curricula merging science, humanities, and arts.
- Higher Education Commission of India (HECI): Single overarching regulator.
- GER Target: Increase Gross Enrolment Ratio (GER) to 50% by 2035.

1.3 PO, PSO and their Mapping with Courses (20)

Total Marks 20.00

1.3.1 POs and PSOs (5)

PSO1	Students are able to analyze and design the electronic circuits with the knowledge of courses related circuits, networks, linear digital circuits and analog electronics
PSO2	Students can explore the scientific theories, ideas, methodologies in operation and maintenance of communication systems to bridge the gap between academics and industries
PSO3	Students are able to work professionally with new cutting-edge Technologies in the fields of electronic design, communication and automation

1.3.2 Mapping between the Courses and POs/PSOs (15)

Institute Marks : 15.00

PO Number	List of Courses
PO1	1. Probability and Complex Variables 2. Electronic Devices and Circuits 3. Signals, Systems and Stochastic Processes 4. Universal Human Values – Understanding Harmony and Ethical (R23) 5. Digital Circuits Design 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Introduction to Quantum Technologies and Applications 13. Analog & Digital IC Applications Lab 14. Microprocessors and Microcontrollers Lab 15. PCB Design and Prototype development (SDC) 16. Tinkering Lab 17. Digital Image Processing (PE-III) 18. Radar Systems (PE-V) 19. Real Time Operating Systems (OE-III) 20. Computer Networks (OE-IV) 21. Micro wind and Lab View (SDC) 22. Personnel Etiquette (HSS) 23. Universal Human Values (R20)
PO2	1. Probability and Complex Variables 2. Digital Circuits Design 3. Signals, Systems and Stochastic Processes 4. Electronic Devices and Circuits 5. Universal Human Values – Understanding Harmony and Ethical (R23) 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Introduction to Quantum Technologies and Applications 13. Analog & Digital IC Applications Lab 14. Microprocessors and Microcontrollers Lab 15. PCB Design and Prototype development (SDC) 16. Tinkering Lab 17. Digital Image Processing (PE-III) 18. Radar Systems (PE-V) 19. Real Time Operating Systems (OE-III) 20. Computer Networks (OE-IV) 21. Micro wind and Lab View (SDC) 22. Personnel Etiquette (HSS) 23. Universal Human Values (R20)
PO3	1. Probability and Complex Variables 2. Digital Circuit Design 3. Signals, Systems and Stochastic Processes 4. Electronic Devices and Circuits 5. Universal Human Values – Understanding Harmony and Ethical (R23) 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Introduction to Quantum Technologies and Applications 13. Analog & Digital IC Applications Lab 14. Microprocessors and Microcontrollers Lab 15. PCB Design and Prototype development (SDC) 16. Tinkering Lab 17. Digital Image Processing (PE-III) 18. Radar Systems (PE-V) 19. Real Time Operating Systems (OE-III) 20. Computer Networks (OE-IV) 21. Micro wind and Lab View (SDC) 22. Personnel Etiquette (HSS) 23. Universal Human Values (R20)
PO4	1. Probability and Complex Variables 2. Signals, Systems and Stochastic Processes 3. Electronic Devices and Circuits 4. Digital Circuits Design 5. Electronic Devices and Circuits Lab 6. Digital Design & Signal Simulation Lab 7. Python Programming (SDC) 8. Analog and Digital IC Applications 9. Antennas & Wave Propagation 10. Microprocessors and Microcontrollers 11. Analog & Digital IC Applications Lab 12. Introduction to Quantum Technologies and Applications 13. Microprocessors and Microcontrollers Lab 14. PCB Design and Prototype development (SDC) 15. Tinkering Lab 16. Digital Image Processing (PE-III) 17. Radar Systems (PE-V) 18. Real Time Operating Systems (OE-III) 19. Computer Networks (OE-IV) 20. Micro wind and Lab View (SDC)
PO5	1. Probability and Complex Variables 2. Signals, Systems and Stochastic Processes 3. Electronic Devices and Circuits 4. Digital Circuits Design 5. Electronic Devices and Circuits Lab 6. Digital Design & Signal Simulation Lab 7. Python Programming (SDC) 8. Analog and Digital IC Applications 9. Antennas & Wave Propagation 10. Microprocessors and Microcontrollers 11. Introduction to Quantum Technologies and Applications 12. Analog & Digital IC Applications Lab 13. Microprocessors and Microcontrollers Lab 14. PCB Design and Prototype development (SDC) 15. Tinkering Lab 16. Digital Image Processing (PE-III) 17. Radar Systems (PE-V) 18. Real Time Operating Systems (OE-III) 19. Computer Networks (OE-IV) 20. Micro wind and Lab View (SDC)
PO6	1. Microprocessors and Microcontrollers 2. Analog and Digital IC Applications 3. Antennas & Wave Propagation 4. Universal Human Values – Understanding Harmony and Ethical 5. Introduction to Quantum Technologies and Applications 6. Tinkering Lab 7. Radar Systems (PE-V) 8. Universal Human Values (R20)
PO7	1. Tinkering Lab 2. Introduction to Quantum Technologies and Applications 3. Universal Human Values – Understanding Harmony and Ethical (R23) 4. Personnel Etiquette (HSS) 5. Universal Human Values (R20)
PO8	1. Digital Design and Signal Simulation Lab 2. Electronic Devices and Circuits Lab 3. Universal Human Values – Understanding Harmony and Ethical (R23) 4. Python Programming (SDC) 5. Analog & Digital IC Applications Lab 6. Microprocessors and Microcontrollers Lab 7. PCB Design and Prototype development (SDC) 8. Tinkering Lab 9. Personnel Etiquette (HSS) 10. Universal Human Values (R20)

PO9	1. Digital Design and Signal Simulation Lab 2. Electronic Devices and Circuits Lab 3. Universal Human Values – Understanding Harmony and Ethical (R23) 4. Python Programming (SDC) 5. Analog & Digital IC Applications Lab 6. Microprocessors and Microcontrollers Lab 7. PCB Design and Prototype development (SDC) 8. Tinkering Lab 9. Digital Image Processing (PE-III) 10. Computer Networks (OE-IV) 11. Micro wind and Lab View (SDC) 12. Personnel Etiquette (HSS) 13. Universal Human Values (R20)
PO10	1. Digital Image Processing(PE-III) 2. Electronic Devices and Circuits Lab 3. Tinkering Lab 4. Universal Human Values – Understanding Harmony and Ethical (R23) 5. Computer Networks (OE-IV) 6. Micro wind and Lab View (SDC) 7. Personnel Etiquette (HSS) 8. Universal Human Values (R20)
PO11	1. Probability and Complex Variables 2. Electronic Devices and Circuits 3. Signals, Systems and Stochastic Processes 4. Universal Human Values – Understanding Harmony and Ethical (R23) 5. Digital Circuits Design 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Introduction to Quantum Technologies and Applications 13. Analog & Digital IC Applications Lab 14. Microprocessors and Microcontrollers Lab 15. PCB Design and Prototype development (SDC) 16. Tinkering Lab 17. Digital Image Processing (PE-III) 18. Radar Systems (PE-V) 19. Real Time Operating Systems (OE-III) 20. Computer Networks (OE-IV) 21. Micro wind and Lab View (SDC) 22. Personnel Etiquette (HSS) 23. Universal Human Values (R20)

PSO:

PO Number	List of Courses
PSO1	1. Probability and Complex Variables 2. Signals, Systems and Stochastic Processes 3. Electronic Devices and Circuits 4. Digital Circuits Design 5. Electronic Devices and Circuits Lab 6. Digital Design & Signal Simulation Lab 7. Python Programming (SDC) 8. Analog and Digital IC Applications 9. Antennas & Wave Propagation 10. Microprocessors and Microcontrollers 11. Introduction to Quantum Technologies and Applications 12. Analog & Digital IC Applications Lab 13. Microprocessors and Microcontrollers Lab 14. Tinkering Lab 15. PCB Design and Prototype development (SDC) 16. Digital Image Processing (PE-III) 17. Radar Systems (PE-V) 18. Real Time Operating Systems (OE-III) 19. Computer Networks (OE-IV) 20. Micro wind and Lab View (SDC) 21. Personnel Etiquette (HSS)
PSO2	1. Probability and Complex Variables 2. Electronic Devices and Circuits 3. Signals, Systems and Stochastic Processes 4. Universal Human Values – Understanding Harmony and Ethical (R23) 5. Digital Circuits Design 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Analog & Digital IC Applications Lab 13. Microprocessors and Microcontrollers Lab 14. PCB Design and Prototype development (SDC) 15. Tinkering Lab 16. Digital Image Processing (PE-III) 17. Radar Systems (PE-V) 18. Real Time Operating Systems (OE-III) 19. Computer Networks (OE-IV) 20. Micro wind and Lab View (SDC) 21. Personnel Etiquette (HSS) 22. Universal Human Values (R20)
PSO3	1. Probability and Complex Variables 2. Electronic Devices and Circuits 3. Signals, Systems and Stochastic Processes 4. Universal Human Values – Understanding Harmony and Ethical (R23) 5. Digital Circuits Design 6. Electronic Devices and Circuits Lab 7. Digital Design & Signal Simulation Lab 8. Python Programming (SDC) 9. Analog and Digital IC Applications 10. Antennas & Wave Propagation 11. Microprocessors and Microcontrollers 12. Introduction to Quantum Technologies and Applications 13. Analog & Digital IC Applications Lab 14. Microprocessors and Microcontrollers Lab 15. PCB Design and Prototype development (SDC) 16. Tinkering Lab 17. Digital Image Processing (PE-III) 18. Radar Systems (PE-V) 19. Real Time Operating Systems (OE-III) 20. Computer Networks (OE-IV) 21. Micro wind and Lab View (SDC) 22. Universal Human Values (R20)

1.4 Course Outcomes and Course Articulation Matrix (30)

Total Marks 30.00

1.4.1 Course Outcome (Semester Wise) (15)

No. of Core Courses : 6	C2 : 2	C3 : 2	C4 : 2
-------------------------	--------	--------	--------

Note : Number of Outcomes for a Course is expected to be around 6.

Course Code :	A0406233	Semester :	3
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0406233.1	Students will be able to state fundamental definitions of signals, systems, transforms, and random processes
A0406233.2	Students will be able to explain behavior of signals and systems in time and frequency domains
A0406233.3	Students will be able to solve numerical problems using convolution, transforms, and sampling techniques
A0406233.4	Students will be able to analyze LTI systems for stability, causality, bandwidth, and distortion
A0406233.5	Students will be able to analyze statistical and spectral characteristics of random processes and system response

Course Code :	A0409234	Semester :	4
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0409234.1	Students will be able to state electromagnetic field concepts, Maxwell's equations, and transmission line parameters
A0409234.2	Students will be able to illustrate electrostatic, magnetostatic, and time-varying electromagnetic field behavior
A0409234.3	Students will be able to apply EM wave propagation principles to solve problems related to plane waves, reflection, refraction, and polarization
A0409234.4	Students will be able to characterize transmission line characteristics such as impedance, VSWR, reflection coefficient, and power flow
A0409234.5	Students will be able to analyze RF transmission line matching techniques using Smith chart and stub matching methods

Course Code :	A0414235	Semester :	5
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0414235.1	Students will be able to recall the fundamentals of integrated circuits, operational amplifiers, digital ICs, voltage regulators, converters, timers, and PLLs
A0414235.2	Students will be able to explain the working principles, characteristics, and internal architecture of Op-Amps, active filters, voltage regulators, ADCs/DACs, and digital ICs
A0414235.3	Students will be able to apply Op-Amps, timers, regulators, converters, and digital ICs to design and implement linear, non-linear, and combinational/sequential circuits
A0414235.4	Students will be able to implement practical circuits such as active filters, waveform generators, multivibrators, ADC/DAC systems, and CMOS logic circuits for real-world applications
A0414235.5	Students will be able to analyze the performance, characteristics, and limitations of analog and digital IC-based systems to select suitable components for engineering applications

Course Code :	A0420236	Semester :	6
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0420236.1	Students will be able to recall fundamental concepts of discrete-time signals and systems, frequency-domain representations, Z-transform definitions, properties, and stability criteria
A0420236.2	Students will be able to explain the principles of Z-transform analysis, DTFT, DFT, FFT algorithms, and their interrelationships in discrete-time signal processing
A0420236.3	Students will be able to apply DFT/FFT techniques and Z-transform methods to analyze discrete-time signals and LTI systems, compute system responses, and solve difference equations
A0420236.4	Students will be able to analyze and design digital IIR and FIR filters using standard approximation techniques, windowing methods, and realize them using different filter structures
A0420236.5	Students will be able to analyze the architecture and functional blocks of programmable DSP processors (TMS320C5x) and relate architectural features to efficient DSP algorithm implementation

Course Code :	A0441237	Semester :	7
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0441237.1	Students will be able to recall the fundamental principles of radar systems including radar equations, radar block diagrams, radar frequencies, display types, and basic performance parameters
A0441237.2	Students will be able to explain the working principles of CW radar, FM-CW radar, MTI radar, pulse Doppler radar, and tracking radar techniques
A0441237.3	Students will be able to apply radar equations, Doppler principles, noise concepts, and detection criteria to solve numerical problems related to range, velocity, SNR, and detection performance
A0441237.4	Students will be able to analyze the performance of radar systems in noise and clutter, including MTI limitations, pulse integration, CFAR receivers, and tracking accuracy
A0441237.5	Students will be able to evaluate advanced radar subsystems such as phased array antennas, radar receivers, navigational aids, software-defined radar concepts, and stealth technologies

Course Code :	A0442237	Semester :	7
----------------------	-----------------	-------------------	----------

Course Outcome	Statements
A0442237.1	Students will be able to recall the fundamental concepts of digital signal processing, discrete-time signals, sampling, DFT/FFT, digital filters, and computational accuracy issues in DSP systems
A0442237.2	Students will be able to explain the architecture, building blocks, execution control, pipelining, and programming features of programmable DSP devices
A0442237.3	Students will be able to apply DSP algorithms such as FIR, IIR, FFT, interpolation, decimation, and adaptive filtering using programmable DSP processors and MATLAB tools

A0442237.4	Students will be able to analyze the performance of DSP algorithms and systems considering number formats, quantization errors, overflow, scaling, and pipeline effects
A0442237.5	Students will be able to evaluate memory and I/O interfacing techniques, DMA, serial ports, CODEC interfacing, and real-time DSP implementations using TMS320C54XX processors

1.4.2 Course Articulation Matrix (15) :

1 . course name : C2A0406233

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C2A0406233.1	Students w	2 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C2A0406233.2	Students w	3 ✓	2 ✓	- ✓	- ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C2A0406233.3	Students w	3 ✓	3 ✓	1 ✓	2 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C2A0406233.4	Students w	3 ✓	3 ✓	2 ✓	2 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C2A0406233.5	Students w	3 ✓	3 ✓	1 ✓	3 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
Average		2.80	2.40	1.33	2.33	1.75	0.00	0.00	0.00	0.00	0.00	1.20

2 . course name : C2A0409234

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C2A0409234.1	Students w	3 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓
C2A0409234.2	Students w	3 ✓	2 ✓	- ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓
C2A0409234.3	Students w	3 ✓	3 ✓	- ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓
C2A0409234.4	Students w	3 ✓	3 ✓	- ✓	2 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓
C2A0409234.5	Students w	3 ✓	3 ✓	1 ✓	2 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3 . course name : C3A0414235

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C3A0414235.1	Students w	3 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0414235.2	Students w	3 ✓	2 ✓	- ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0414235.3	Students w	3 ✓	2 ✓	2 ✓	- ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0414235.4	Students w	2 ✓	2 ✓	3 ✓	2 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
C3A0414235.5	Students w	2 ✓	3 ✓	2 ✓	2 ✓	2 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4 . course name : C3A0420236

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C3A0420236.1	Students w	3 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0420236.2	Students w	3 ✓	2 ✓	- ✓	1 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0420236.3	Students w	3 ✓	3 ✓	2 ✓	2 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C3A0420236.4	Students w	3 ✓	3 ✓	3 ✓	3 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
C3A0420236.5	Students w	3 ✓	2 ✓	2 ✓	1 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5 . course name : C4A0441237

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C4A0441237.1	Students w	3 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0441237.2	Students w	3 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0441237.3	Students w	3 ✓	3 ✓	1 ✓	- ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0441237.4	Students w	3 ✓	3 ✓	2 ✓	1 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
C4A0441237.5	Students w	3 ✓	3 ✓	2 ✓	1 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

6 . course name : C4A0442237

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C4A0442237.1	Students w	3 ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0442237.2	Students w	3 ✓	2 ✓	- ✓	- ✓	1 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0442237.3	Students w	3 ✓	3 ✓	2 ✓	- ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	1 ✓
C4A0442237.4	Students w	3 ✓	3 ✓	2 ✓	1 ✓	2 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
C4A0442237.5	Students w	3 ✓	3 ✓	2 ✓	1 ✓	3 ✓	- ✓	- ✓	- ✓	- ✓	- ✓	2 ✓
Average		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

1 . Course Name : C2A0406233

Course	PSO1	PSO2	PSO3
C2A0406233.1	1 ✓	- ✓	- ✓
C2A0406233.2	2 ✓	1 ✓	- ✓
C2A0406233.3	3 ✓	2 ✓	1 ✓
C2A0406233.4	3 ✓	2 ✓	2 ✓
C2A0406233.5	2 ✓	3 ✓	2 ✓
Average	0.00	0.00	0.00

2 . Course Name : C2A0409234

Course	PSO1	PSO2	PSO3
C2A0409234.1	2 ✓	2 ✓	- ✓
C2A0409234.2	2 ✓	2 ✓	- ✓
C2A0409234.3	3 ✓	3 ✓	1 ✓
C2A0409234.4	3 ✓	3 ✓	2 ✓
C2A0409234.5	3 ✓	3 ✓	3 ✓
Average	0.00	0.00	0.00

3 . Course Name : C3A0414235

Course	PSO1	PSO2	PSO3
C3A0414235.1	2 ✓	1 ✓	1 ✓
C3A0414235.2	3 ✓	2 ✓	1 ✓
C3A0414235.3	3 ✓	2 ✓	2 ✓
C3A0414235.4	2 ✓	2 ✓	2 ✓
C3A0414235.5	3 ✓	2 ✓	3 ✓
Average	0.00	0.00	0.00

4 . Course Name : C3A0420236

Course	PSO1	PSO2	PSO3
C3A0420236.1	2 ✓	2 ✓	1 ✓
C3A0420236.2	2 ✓	3 ✓	2 ✓
C3A0420236.3	3 ✓	3 ✓	2 ✓
C3A0420236.4	3 ✓	3 ✓	3 ✓
C3A0420236.5	2 ✓	3 ✓	3 ✓
Average	0.00	0.00	0.00

5 . Course Name : C4A0441237

Course	PSO1	PSO2	PSO3
C4A0441237.1	2 ✓	1 ✓	- ✓
C4A0441237.2	2 ✓	2 ✓	- ✓
C4A0441237.3	3 ✓	2 ✓	- ✓
C4A0441237.4	2 ✓	3 ✓	2 ✓
C4A0441237.5	2 ✓	2 ✓	3 ✓
Average	0.00	0.00	0.00

6 . Course Name : C4A0442237

Course	PSO1	PSO2	PSO3
C4A0442237.1	2 ✓	1 ✓	- ✓
C4A0442237.2	2 ✓	2 ✓	- ✓
C4A0442237.3	3 ✓	2 ✓	2 ✓
C4A0442237.4	2 ✓	3 ✓	2 ✓
C4A0442237.5	2 ✓	2 ✓	3 ✓
Average	0.00	0.00	0.00

1.5 Program Articulation Matrix (5)

Total Marks 5.00

Program Articulation Matrix

:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
A0015233	3	2.2	1.33	1.67	1	0	0	0	0	0	1
A0008233	1	1.5	1	0	0	2.2	2.4	2	1.67	1	2
A0406233	2.8	2.4	1.33	2.33	1.75	0	0	0	0	0	1.2
A0405233	2.8	2.4	1.67	2	2	0	0	0	0	0	1.2
A0404233	2.8	2.4	2	2.25	2.25	0	0	0	0	0	1.4
A0473233	3	2	2	2	2	0	0	1.5	1	1	2
A0472233	3	2.25	2	2.33	2.67	0	0	2	1	0	1.5
A0503234	3	2.33	2	2.5	3	0	0	1	1	0	1.5
A0010234	2	2.4	1.67	0	0	1.6	1	0	1	2.67	1
A0410234	3	2.4	2.5	2.33	2	0	0	0	0	0	1.5
A0409234	3	2.4	1	2	1.5	0	0	0	0	0	1
A0408234	3	2.4	2.5	2	1.67	0	0	0	0	0	1.5
A0407234	3	2.4	1.5	2.33	1.67	0	0	0	0	0	1.5
A0475234	3	2	2.5	2.5	2	0	0	1.5	1	0	1
A0474234	3	2	2	2.5	2.5	0	0	2	1	0	1
A0414235	2.6	2	2.33	1.67	2.33	1	0	0	0	0	1.4
A0415235	2.6	2.2	2.33	2	2.33	1	0	0	0	0	1.4
A0413236	2.6	2	2.33	1.67	2.33	1	0	0	0	0	1.4
A0024235	2.4	2.2	1.33	1.25	1.33	3	2	0	0	0	2
A0541235	2.4	2.8	2	2	2	0	0	2	1.8	2	2.2
A0478235	2.75	2.5	2	2.5	2	0	0	1	1	0	2
A0477236	2.67	2.67	2.5	2.5	2	0	0	1	1	0	2
A0480235	2.8	2.2	2.25	2.25	2.4	0	0	1	1	0	1.6
A0077235	2.67	2.67	2.5	2.5	2	1.67	1	1.5	1.5	1	2
A0420236	3	2.4	2.33	1.75	2.25	0	0	0	0	0	1.4
A0421236	3	2.4	2.33	2.25	2	0	0	0	0	0	1.4
A0422236	3	2.4	2	2.25	2.25	0	0	0	0	0	1.4
A0423236	3	2.4	2	2.25	2	0	0	0	0	0	1.4
A0426236	3	2.4	2.33	2.25	2	0	0	0	0	0	1.4

A0520236	3	2.8	2	2	2.6	1	1	0	0	1	1
A0481236	2.75	2.5	1.67	3	2	0	0	1	1	0	2
A0482236	2.67	2.67	2.5	2.5	2	0	0	1	1	0	2
A0023236	1.6	2.2	0	2.5	2	2	3	2	2.6	0	2.4
A0430207	2.6	2.6	2.33	2	2	0	0	1	1	0	1.4
A0440207	2.6	2.8	2	2	2.25	1	0	0	0	0	1.4
A0544207	2.6	2.8	2	2	2.25	0	0	0	0	0	1.4
A0516205	2.6	2.8	2.33	2	2.2	0	0	1	1	0	1.4
A0445207	2.6	2.8	2.33	2	2.2	0	0	1	1	0	1.4
A0030207	1.2	2.4	2	0	0	0	2	2.5	2.25	1.5	1.4
A0015203	1	2.2	2.33	0	0	2.6	2.8	2	1.33	1	2.2

Course Code	PSO1	PSO2	PSO3
A0008233	0	1.67	1.5
A0010234	0	0	0
A0015203	0	1	1.67
A0015233	2.6	2.2	1.67
A0023236	0	1.8	1.5
A0024235	1	2.8	2.2
A0030207	1	1.8	0
A0077235	2.67	1.67	2
A0404233	2.2	1.33	2
A0405233	2.4	1.75	1.67
A0406233	2.2	2	1.67
A0407234	2.6	2.8	2
A0408234	3	2.4	2
A0409234	2.6	2.6	2
A0410234	2.6	2.4	2
A0413236	2.8	2.2	2
A0414235	2.8	1.8	2

A0415235	2.8	2.6	2
A0420236	2.4	2.8	2.2
A0421236	2.6	2.8	2.2
A0422236	2.8	2.4	2.2
A0423236	2.6	2.4	2.2
A0426236	2.6	2.8	2.2
A0430207	2.2	2.2	1.8
A0440207	2	2.6	1.8
A0445207	2.6	1.8	2
A0472233	2.5	2.25	2
A0473233	3	1.67	1.5
A0474234	2	3	1.5
A0475234	3	2	1.5
A0477236	2.67	1.67	1.67
A0478235	2.5	1.75	1.5
A0480235	2.8	2.4	2.2
A0481236	2.5	2.25	1.5
A0482236	2.67	1.67	2
A0503234	1.67	2	2.5
A0516205	2.6	1.8	2
A0520236	1	0	0
A0541235	1.8	1.8	1.8
A0544207	1.6	2	1.8

2 OUTCOME-BASED TEACHING LEARNING (120)

Total Marks 120.00

2.1 Describe Processes Followed to Ensure Quality of Teaching & Learning (20)

Total Marks 20.00

The institution implements a systematic, structured, and outcome-oriented teaching and learning method that complies with the academic regulations of the University, AICTE recommendations, and NBA standards. The B.Tech. (Regular) program spans four academic years, with each year separated into two semesters, facilitating structured learning advancement. Additionally, each semester comprises a minimum of 90 instructional days, thereby ensuring sufficient opportunity for curriculum implementation, practical experience, evaluation, and scholarly involvement. This clearly delineated academic framework facilitates efficient planning, execution, oversight, and ongoing enhancement of the teaching-learning process.

The academic trajectory of students initiates with a compulsory three-week Student Induction Program prior to the onset of the first semester. This induction program is executed in accordance with AICTE criteria and aims to facilitate the seamless transfer of newcomers into the professional educational setting. It encompasses physical activities, creative arts, Universal Human Values, literary pursuits, competency modules, lectures by distinguished figures, excursions to nearby locations, and orientation with the department/branch, innovations, and institutional environment. This preliminary interaction fosters students confidence, flexibility, awareness, and preparedness for engineering instruction.

The college prioritizes the comprehensive development of students by mandating health, wellness, yoga, sports, NSS, Scouts & Guides, and community service activities as credit courses for all undergraduate students. The curriculum also comprises non-credit mandatory courses, including Environmental Sciences, Indian Constitution, and Technical Paper Writing & IPR, which enhance students environmental awareness, constitutional knowledge, ethical values, communication skills, and comprehension of intellectual property rights. The institution requires Design Thinking for Innovation and Tinkering Labs as credit courses, thereby fostering creativity, innovation, design orientation, and problem-solving skills among students.

The program is structured to offer flexibility, specialization, interdisciplinary, and relevance to industry standards. Students are provided with 05 Professional Elective courses and 04 Open Elective courses, allowing them to tailor their academic trajectory in accordance with their interests and career goals. Professional Elective courses are selected from fields pertinent to the students concentration, and judicious selection of these electives facilitates expertise in developing technologies and advanced domains. Students are advised to avoid selecting electives with syllabus content that overlaps with previously completed courses, so preserving academic novelty and growth.

The curriculum enhances employability and professional competency by incorporating a range of multidisciplinary, job-oriented, domain-specific, and generic courses aligned with industry requirements. In this context, five skill-oriented courses are provided from the third to seventh semesters. Of these, four courses emphasize fundamental and advanced domain/interdisciplinary abilities, whilst one course concentrates on soft skills, so assuring a balanced enhancement of technical proficiency and professional preparedness. The systematic incorporation of skill-based education markedly improves students confidence, adaptability, and employability prospects.

The college prioritizes experiential learning and industry exposure as vital elements of the educational process. A compulsory one-week domain-specific workshop is held following the conclusion of the V semester, and it is recorded in the VI semester with no credits, providing concentrated exposure to contemporary practices and advancements in the field. Additionally, each student must complete a minimum of one industrial tour during any semester from the fifth to the eighth, facilitating the connection between academic instruction and practical application in the industry. The department organizes a domain-specific expert lecture each semester from the fifth semester onward, allowing students to engage with academicians, industry experts, and practitioners, thus keeping them updated about current trends, technologies, and professional expectations.

Internships are methodically integrated into the academic structure to facilitate ongoing industry involvement and contextual education. Students must do compulsory summer internships lasting at least eight weeks at the conclusion of their second and third years in the program. The internship following the second year is community-focused, allowing students to comprehend social needs and implement technical expertise in community settings, whereas the internship after the third year is industry-focused, offering practical experience with industrial systems, tools, workflows, and professional practices. Furthermore, students are required to do a comprehensive internship during the final semester, alongside project work, which enhances practical learning, project implementation, collaboration, and preparedness for the industry. This planned internship framework guarantees that students acquire both societal insights and practical professional experience.

This institution promotes academic excellence by offering qualifying students the chance to pursue an Honors Undergraduate Degree, as established by the University for those with a commendable academic record. This option encourages exceptional students to participate in advanced studies and strive for academic excellence beyond the standard curriculum.

Technology-enhanced education constitutes a fundamental component of the teaching-learning framework. The college implements Virtual Labs, enabling remote access to laboratory experiments across many engineering disciplines, facilitating students understanding of both fundamental and advanced topics through remote experimentation. Students are encouraged and supported to do virtual lab experiments during standard laboratory sessions, so enhancing practical learning, particularly in scenarios necessitating simulation-based reinforcement or remote access assistance. The college advocates for a blended learning approach, with a preference for 25% of the coursework for theoretical courses each semester to be delivered in this format, so augmenting flexibility, self-directed learning, digital interaction, and access to extensive learning resources.

The institution designates a faculty advisor or mentor to each cohort of students from the same department post-admission to deliver individualized academic and professional support. The faculty mentor is essential in advising students on course registration, academic advancement, career development, placement prospects, postgraduate study, GATE preparation, and other competitive assessments. This mentoring structure guarantees ongoing personal attention, academic oversight, inspiration, and prompt assistance for students throughout the program.

The teaching-learning process is executed via a structured academic workflow that commences with the ratification of the academic calendar, succeeded by semester planning, course assignment, and the formulation of course plans by faculty members. Every course plan comprises Course Outcomes (COs), CO-PO-PSO mapping, weekly teaching schedules, instructional approaches, and evaluation methods, so assuring successful alignment with Outcome-Based Education concepts. The curriculum is delivered through a combination of lectures, tutorials, case studies, problem-based learning, ICT-enabled education, simulations, and laboratory practice. Practical learning is enhanced through organized experimentation, observation, analysis, simulation-to-hardware implementation, mini-projects, and application-oriented learning activities.

Student learning is consistently evaluated through internal assessments, assignments, quizzes, laboratory evaluations, seminars, project reviews, and final examinations. The institution does an analysis of Course Outcome achievement based on both internal and external evaluation results. Student input is carefully gathered and utilized to identify learning deficiencies and areas for enhancement. Appropriate corrective steps are executed based on this analysis. Students with slower learning paces receive assistance via remedial classes, mentoring, and supplementary tutorials, whilst advanced learners are motivated through mini-projects, certificates, technical competitions, and enrichment activities. This creates a robust closed-loop system encompassing planning, delivery, assessment, feedback, and ongoing enhancement.

The institutions teaching-learning approach is learner-centric, industry-oriented, adaptable, technology-enhanced, and perpetually evolving. The institution guarantees the effective achievement of Course Outcomes, Program Outcomes, and Program Specific Outcomes through the integration of academic rigor, curriculum flexibility, practical exposure, skill development, mentoring, blended learning, internships, virtual laboratories, and feedback-driven enhancement. This systematic approach ultimately enhances academic performance, employability, professional competence, social responsibility, and overall student development.

The **Department of Electronics & Communication Engineering (ECE)** follows a **structured, outcome-based, and continuously monitored teaching-learning process** to ensure academic excellence and attainment of **Course Outcomes (COs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs)** in alignment with the **NBA Outcome Based Education (OBE) framework**.

The department strictly adheres to the **Institution Academic Calendar** approved by the Academic Council. Prior to the commencement of each semester, **course allocation, workload distribution, and academic planning** are finalized. Every faculty member prepares a **detailed course plan** comprising COs, CO-PO-PSO mapping, weekly teaching schedule, pedagogical methods, and assessment tools. Course plans are reviewed and approved by the **Head of the Department**, and syllabus coverage is periodically monitored to ensure **100% completion** within the stipulated time. Any deviation is addressed through **extra classes and tutorials**.

All courses are delivered following **Outcome Based Education principles**. COs are framed using **Bloom's Taxonomy** and communicated to students at the beginning of the semester. Teaching strategies are aligned to achieve expected learning levels such as understanding, analysis, design, and problem solving. CO attainment is calculated using **internal assessments and end-semester examination results**, and attainment analysis is used to identify gaps and plan corrective actions.

To enhance learning effectiveness, the department adopts **student-centric and application-oriented pedagogies**. Faculty integrate **real-world examples, case studies, collaborative learning, and problem-based learning** in core ECE domains such as communication systems, signal processing, VLSI, and embedded systems. **ICT-enabled tools**, simulation software, virtual laboratories, and online learning resources are extensively used to reinforce conceptual clarity and practical understanding.

Laboratory courses are designed to strengthen **hands-on skills and experimental competence**. Well-structured laboratory manuals guide students through experiment objectives, procedures, observation recording, data analysis, and result interpretation. A **simulation-to-hardware approach** is followed, and continuous evaluation is carried out through experiment performance, laboratory records, and viva-voce examinations.

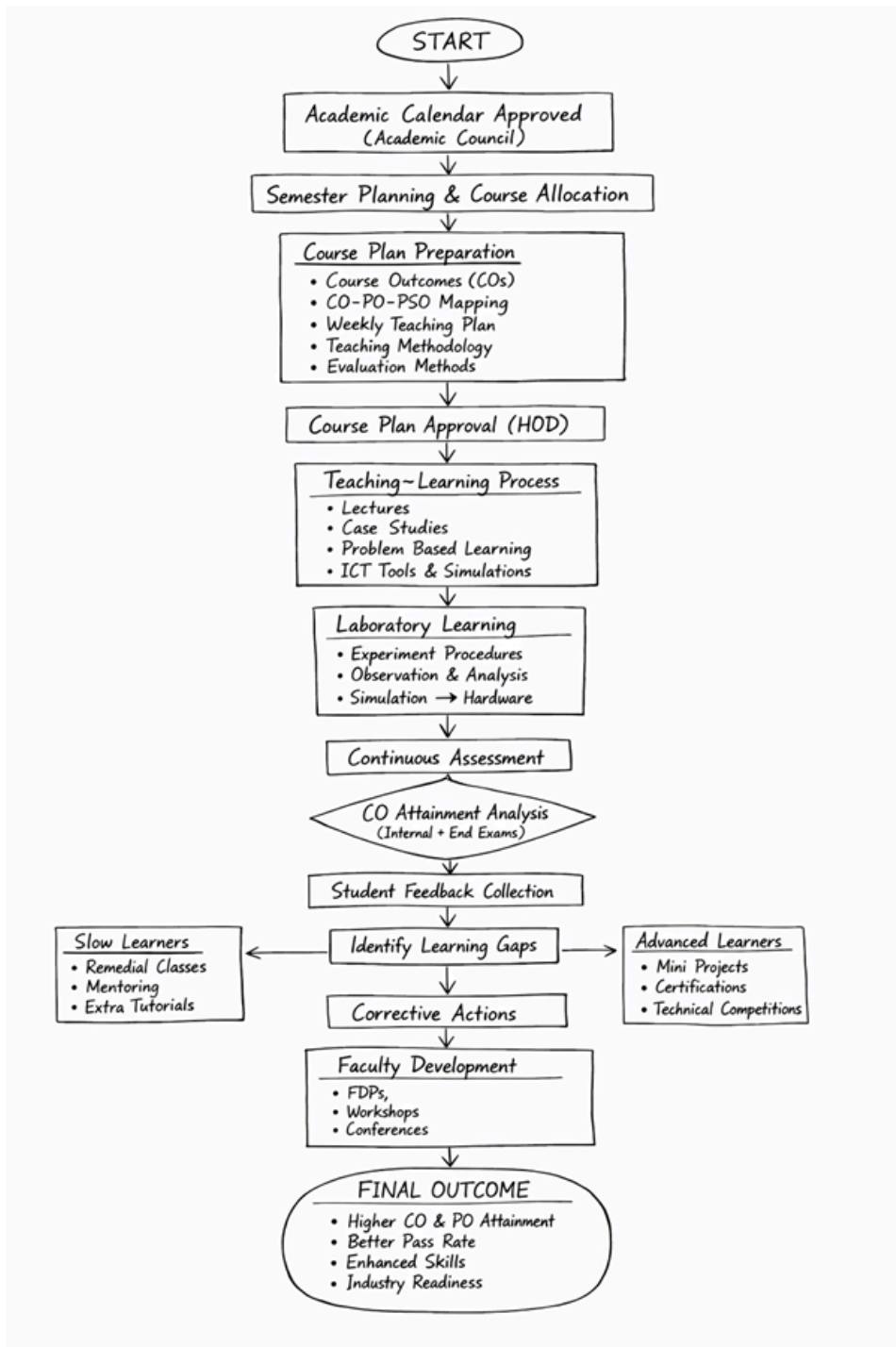
A **robust continuous evaluation and feedback mechanism** is implemented through internal tests, assignments, quizzes, and technical presentations. **Student feedback** on teaching-learning processes is collected every semester, analyzed at the departmental level, and appropriate **corrective actions** such as additional tutorials and modified instructional strategies are implemented.

Students requiring additional academic support are identified through diagnostic tests and internal assessment performance. **Slow learners** are assisted through remedial classes, mentoring, and simplified learning materials, while **fast learners** are encouraged through advanced assignments, certification courses, mini-projects, and participation in technical competitions.

Faculty members continuously enhance their competencies through **FDPs, workshops, conferences, and industry training programs**. All teaching-learning activities are systematically documented through course files, laboratory records, CO attainment reports, feedback analysis, and action-taken reports, ensuring **continuous improvement, transparency, and NBA compliance**.

Overall Impact: The systematic and results-oriented teaching-learning approach has markedly improved students academic achievement, skill acquisition, and preparedness for the industry. The incorporation of a flexible curriculum, skill-based courses, experiential learning opportunities (such as internships, workshops, and industrial visits), and blended learning has enhanced students practical knowledge, problem-solving skills, and adaptability.

The ongoing evaluation and feedback-oriented enhancement approach guarantees elevated CO-PO achievement, while mentorship and focused assistance foster an inclusive educational atmosphere for both slower and advanced learners. The process has yielded improved placements, enhanced educational advancement, and the cultivation of technically proficient, ethically accountable, and industry-prepared graduates.



2.2 Quality of Student Capstone Project (25)

Total Marks 25.00

2.2 Quality of Student Capstone Project

Capstone projects are designed to integrate theoretical knowledge with practical engineering problem solving.

Projects are aligned with Program Outcomes, Program Specific Outcomes and Knowledge Profile WK1–WK9.

2.2.1 Project Identification and Allotment

The department employs systematic and organized strategy for project identification and allocation to assure quality, inclusiveness, and outcome-based learning. Students are organized into teams of four, each consisting of a diverse mix of learners: one top performer, one above-average, one average, and one below-average student to foster peer learning, cooperation, and knowledge exchange.

Each project team is recommended to choose project subjects from recent articles in esteemed international journals such as IEEE Transactions, Elsevier, and Springer, ensuring that the projects are original, research-driven, and compatible with contemporary technological progress. The chosen project concepts are discussed with assigned project supervisor, and teams construct a comprehensive project abstract.

The abstract is then assessed and approved by the project supervisor and the Head of the Department (HoD) to ascertain its relevance, practicality, and alignment with program objectives. All approved project abstracts are recorded and preserved for future reference and quality assurance.

The Head of Department forms a Project Review Committee, comprising a senior professor and additional faculty members, to oversee progress and facilitate effective review. The committee undertakes three systematic review phases to evaluate the project at various stages: problem identification, design and implementation, and final outcomes. This methodical approach guarantees ongoing assessment, quality improvement, and successful project completion, consequently enhancing students technical proficiency, collaboration, and research abilities.

2.2.2 Continuous Monitoring Mechanism

Projects are evaluated through three reviews:

Review I: Problem formulation, literature review, feasibility and cost analysis.

Review II: Implementation, prototype development and mid review demonstration.

Review III: Final prototype demonstration and external evaluation.

2.2.3 Batch-wise Domain Classification

Domain	2019	2020	2021
AI / Image Processing	45	30	30
VLSI / Nano Electronics	16	21	27
Embedded / Automation	0	0	4
Communication / Signal Processing	1	2	0
Interdisciplinary	5	8	8
Total	67	61	69

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.2/2.2.3.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.2/2.2.3.pdf>)

2.2.4 Selected Representative Projects

2019 Batch

S.No	Project Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO11	PSO1	PSO2	PSO3
1	Energy-delay CMOS full adders	3	3	2	2	3	2	2	2	2	2	2	3	3	2

2	Memristor analog circuits	3	3	2	2	3	2	2	2	2	2	2	3	2	2
3	Approximate multipliers with error correction	3	3	3	2	3	2	2	2	2	2	2	3	3	2
4	Full adders in ALU	3	3	2	3	3	2	2	2	2	2	2	3	2	3
5	Underwater image enhancement model	3	3	2	2	3	3	2	2	2	2	2	3	3	2
6	Electron microscopic image enhancement	3	3	3	2	3	2	3	2	2	2	2	2	3	3
7	Multi-focus image fusion	3	3	2	2	3	2	2	3	2	2	2	3	3	2
8	Single image dehazing	3	3	2	3	3	2	2	2	3	2	2	2	3	2
9	Ternary multipliers	3	3	3	2	3	2	2	2	2	3	2	3	3	2
10	4GHz synchronous counter	3	3	2	2	3	3	2	2	2	2	2	3	3	2
11	Parallel decimal multiplier power reduction	3	3	2	2	3	2	2	2	2	2	2	3	3	2
12	Medical image fusion (hybrid)	3	3	3	3	3	2	3	2	2	2	2	2	3	3
13	Hard exudates detection	3	3	2	2	3	2	2	2	2	2	2	2	3	3
14	Underwater contrast enhancement	3	3	2	2	3	2	2	3	2	2	2	2	3	2
15	Approximate 4-2 compressors	3	3	3	2	3	3	2	2	2	2	2	2	3	3
16	Medical image fusion (sparse representation)	3	3	2	3	3	2	2	2	3	2	2	2	3	2
17	IR-visible image fusion	3	3	2	2	3	2	2	2	2	2	2	2	3	3
18	Medical image encryption	3	3	3	2	3	2	3	2	2	3	2	2	3	3
19	Non-volatile adders	3	3	2	2	3	2	2	2	2	2	2	2	3	3
20	1-bit high performance adder	3	3	2	3	3	3	2	2	2	2	2	3	3	2
21	Image watermarking	3	3	3	2	3	2	2	3	2	2	2	2	3	3
22	Laplace underwater enhancement	3	3	2	2	3	2	2	2	2	2	2	2	3	2
23	Mouse brain image reconstruction	3	3	2	2	3	2	2	2	2	2	2	2	3	3
24	Color correction underwater images	3	3	3	3	3	2	3	2	3	2	2	2	2	3
25	Random walk image fusion	3	3	2	2	3	3	2	2	2	2	2	2	3	3
26	Low light signal processing	3	3	2	2	3	2	2	2	2	2	2	2	3	2
27	Brain tumor detection	3	3	3	2	3	2	2	2	2	3	2	3	3	3
28	EOG artifact removal	3	3	2	3	3	2	2	3	2	2	2	2	3	2
29	Dark channel prior enhancement	3	3	2	2	3	2	2	2	2	2	2	2	3	3
30	Crosstalk avoidance VLSI	3	3	3	2	3	3	3	2	2	2	2	3	3	2
31	HDR image reconstruction	3	3	2	2	3	2	2	2	2	2	2	2	3	3
32	Voltage reference circuit	3	3	2	3	3	2	2	2	3	2	2	2	3	2
33	Covid-19 lung segmentation	3	3	3	2	3	2	2	2	2	2	2	2	3	3

34	Multi-sensor image fusion	3	3	2	2	3	2	2	2	2	2	2	2	3	2
35	License plate recognition	3	3	2	2	3	3	2	3	2	2	2	3	3	2
36	Camera response enhancement	3	3	3	3	3	2	3	2	2	3	2	2	3	3
37	Low illumination enhancement	3	3	2	2	3	2	2	2	2	2	2	3	3	2
38	Ternary adder multiplier circuits	3	3	2	2	3	2	2	2	2	2	2	3	2	2
39	CMOS comparator analysis	3	3	3	2	3	2	2	2	2	2	2	3	3	2
40	S-Box VLSI architecture	3	3	2	3	3	3	2	2	3	2	3	3	2	3
41	Image noise estimation	3	3	2	2	3	2	2	2	2	2	2	3	3	2
42	Retinal enhancement DR detection	3	3	3	2	3	2	3	3	2	2	2	2	3	3
43	Backlit image enhancement	3	3	2	2	3	2	2	2	2	2	2	3	3	2
44	Approximate computing multiplier	3	3	2	3	3	2	2	2	2	2	2	3	2	3
45	Iris segmentation	3	3	3	2	3	3	2	2	2	3	2	3	3	3

2020 Batch

S.No	Project Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	Improved performance of multistage structures using transmission gate based high performance 1-bit full adder	3	3	2	2	3	2	2	2	2	2	2	3	3	2
2	Deep learning based approach for dehazing remote sensing and outdoor images	3	3	2	2	3	2	2	2	2	2	2	2	3	3
3	Efficient design of majority-logic-based approximate 8-bit full adder	3	3	3	2	3	2	2	2	2	2	2	3	2	3
4	A hybrid approach for fusing multi-model medical images using deep learning methods	3	3	2	3	3	2	2	2	2	2	2	2	3	3
5	Water Cycle algorithm for enhancing gray scale images	3	3	2	2	3	3	2	2	2	2	2	3	3	2
6	Homomorphic filtering and cluster-chaotic optimization for improving contrast in images	3	3	3	2	3	2	3	2	2	2	2	3	2	3
7	Haze-Free single image by saturation line prior dehazing	3	3	2	2	3	2	2	3	2	2	2	3	3	2
8	Piecewise color correction approach for contrast enhancement of underwater image	3	3	2	3	3	2	2	2	3	2	2	2	3	3
9	Automatic spinal segmentation for Cobb angle measurement using w-net model	3	3	3	2	3	2	2	2	2	3	2	3	2	3
10	Current mirror based transconductance amplifier	3	3	2	2	3	3	2	2	2	2	3	2	3	3
11	Low power architecture of 4-bit odd parity generator/checker scheme	3	3	2	2	3	2	2	2	2	2	2	3	3	2
12	Enhancing underwater images using multi-interval sub-histogram equalization	3	3	3	3	3	2	3	2	2	2	2	3	2	3
13	Pseudo-multi-exposure techniques to enhance night time color images	3	3	2	2	3	2	2	2	2	2	2	3	3	2
14	Design of single exact single approximate adders and single exact dual approximate adders for computing systems	3	3	2	2	3	2	2	3	2	2	2	2	3	3
15	Dynamic accuracy-configurable adders	3	3	3	2	3	3	2	2	2	2	2	3	2	3
16	PSEUDO N-Type CNTFETS empowering ternary logic circuits	3	3	2	3	3	2	2	2	3	2	2	2	3	3
17	Three valued logic full adders using carbon nano tube FETs	3	3	2	2	3	2	2	2	2	2	2	3	3	2

18	A novel lightweight encryption approach for Bio Medical images	3	3	3	2	3	2	3	2	2	3	2	3	2	3
19	Enhancing Low-light images using U-Net structure	3	3	2	2	3	2	2	2	2	2	2	3	3	2
20	Energy-efficient level shifting with error checking capabilities	3	3	2	3	3	3	2	2	2	2	3	2	3	3
21	Design of hybrid logic based MAC unit using 45 nm technology	3	3	3	2	3	2	2	3	2	2	2	3	2	3
22	Efficient underwater image restoration using double-opponency light estimation and green channel prior	3	3	2	2	3	2	2	2	2	2	2	2	3	3
23	Design of vedic multiplier using carbon nanotube field effect transistor	3	3	2	2	3	2	2	2	2	2	2	3	3	2
24	Enhancing underwater image with Adaptive Quadruple segmentation and Cropping Using Histogram Equalization	3	3	3	3	3	2	3	2	3	2	2	3	2	3
25	Design of high-speed dynamic comparator with cross-coupled cascoding	3	3	2	2	3	3	2	2	2	2	2	3	3	2
26	Enhanced lossless JPEG image recompression with transform domain prediction	3	3	2	2	3	2	2	2	2	2	2	2	3	3
27	ROI-based contrast enhancement in medical imaging through reversible data hiding and multi-group stretching	3	3	3	2	3	2	2	2	2	3	2	3	2	3
28	An Efficient method to remove EOG artifact by using VME GVWA method	3	3	2	3	3	2	2	3	2	2	2	2	3	3
29	PVT analysis of 3-2 adder compressor in FinFET technology	3	3	2	2	3	2	2	2	2	2	2	3	3	2
30	Facial Emotion recognition using convolutional neural networks	3	3	3	2	3	3	3	2	2	2	3	3	2	3
31	Minimizing over-enhancement of image through a customized ICSO Algorithm for multi-media applications	3	3	2	2	3	2	2	2	2	2	2	3	3	2
32	Simplifying the intricate calculations that result from deep learning in order to create cartoons from images	3	3	2	3	3	2	2	2	3	2	2	2	3	3
33	Design of power efficient multipliers based on carry disregard technique	3	3	3	2	3	2	2	2	2	2	2	3	2	3
34	Glioma grade classification using convolutional neural networks	3	3	2	2	3	2	2	2	2	2	2	2	3	3
35	Hyperparameter-Tuned multi-branch network for low-light image enhancement	3	3	2	2	3	3	2	3	2	2	2	3	3	2
36	Image denoising for hyperspectral images	3	3	3	3	3	2	3	2	2	3	2	3	2	3
37	EOG artifacts removal from single channel EEG signals by VME-EFD model	3	3	2	2	3	2	2	2	2	2	2	3	3	2
38	Design of single edge triggered ternary shift registers using CNTFET technology	3	3	2	2	3	2	2	2	2	2	2	2	3	3
39	Design and characterization of a subthreshold tunable CMOS schmitt trigger	3	3	3	2	3	2	2	2	2	2	2	3	2	3
40	Design and analysis of energy efficient 8X8 multiplier using the probability based approximate 4:2 compressors	3	3	2	3	3	3	2	2	3	2	3	2	3	3
41	An enhanced fractal image compression using quadtree decomposition with entropy encoding technique	3	3	2	2	3	2	2	2	2	2	2	3	3	2
42	Grayscale image enhancement using agent-based image contrast enhancement algorithm	3	3	3	2	3	2	3	3	2	2	2	3	2	3
43	A multi-scale fusion and sparse priors approach for restoring obscured text images	3	3	2	2	3	2	2	2	2	2	2	3	3	2
44	Efficient image restoration with advanced features	3	3	2	3	3	2	2	2	2	2	2	2	3	3
45	Medical image segmentation using transformer technique	3	3	3	2	3	3	2	2	2	3	2	3	2	3

2021 Batch

S.No	Project Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	Optimized high speed BCD adder design utilizing CMOS technology	3	3	2	2	3	2	2	2	2	2	2	3	2	2

2	Design of efficient multiplier with low power and high speed using PTL (Pass transistor logic)	3	3	2	2	3	2	2	2	2	2	2	3	2	2
3	Area optimized approximate 4-2 compressor with probability based error compensation for multiplier design	3	3	3	2	3	2	2	2	2	2	2	3	2	3
4	Arduino based giant wheel type multilevel automatic car parking system	3	3	2	3	3	2	2	2	2	2	2	3	2	2
5	Enhancement of low light images using neural networks	3	3	2	2	3	3	2	2	2	2	2	2	3	2
6	Advancing RGB-X segmentation through shape and semantic segmentation	3	3	3	2	3	2	3	2	2	2	2	2	3	3
7	Efficient design and implementation of low power full adder circuits using CMOS technology	3	3	2	2	3	2	2	3	2	2	2	3	2	2
8	Advanced skin disease detection using CNN and transfer learning	3	3	2	3	3	2	2	2	3	2	2	2	3	3
9	Analysis and comparison of 45nm CMOS one bit full adders in energy delay space	3	3	3	2	3	2	2	2	2	3	2	3	2	3
10	Design and optimization of reversible quaternary multiplexers and demultiplexers	3	3	2	2	3	3	2	2	2	2	3	3	2	2
11	Dual tree discrete wavelet transform and weights optimization for image fusion	3	3	2	2	3	2	2	2	2	2	2	2	3	2
12	Dual stage brain tumor classification using optimized MRI image processing	3	3	3	3	3	2	3	2	2	2	2	2	3	3
13	Design and investigation of hybrid full adder for low power high performance computing	3	3	2	2	3	2	2	2	2	2	2	3	2	2
14	Design of arithmetic circuits and unbalanced ternary logic gates to enhance energy efficiency using carbon nanotube field effect transistor	3	3	2	2	3	2	2	3	2	2	2	3	2	2
15	Energy efficient exact and approximate CNTFET based ternary full adders	3	3	3	2	3	3	2	2	2	2	2	3	2	3
16	A novel secure color image encryption technique using chaotic maps and KAA maps	3	3	2	3	3	2	2	2	3	2	2	2	3	3
17	A multiscale CLAHE approach to single image haze reduction	3	3	2	2	3	2	2	2	2	2	2	2	3	2
18	Enhancing underwater image clarity with balanced adaption compensation approach	3	3	3	2	3	2	3	2	2	3	2	2	3	3
19	Generation of automatic radiology report with contrast based image enhancement	3	3	2	2	3	2	2	2	2	2	2	3	2	2
20	Low power consumption BCD adder design	3	3	2	3	3	3	2	2	2	2	3	3	2	2
21	High performance approximate DCT using CNTFET based adders and subtractors for image compression	3	3	3	2	3	2	2	3	2	2	2	3	2	3
22	Satellite image road extractor using attention guided U-net with spatial context	3	3	2	2	3	2	2	2	2	2	2	2	3	3
23	An ultra-low power static contention free 25 transistor true single phase clocked flip flop in 45nm CMOS	3	3	2	2	3	2	2	2	2	2	2	3	2	2
24	Embedded based solar powered smart stick for sight impaired individuals	3	3	3	3	3	2	3	2	3	2	2	3	2	3
25	Color adaptive enhancement using representative transforms	3	3	2	2	3	3	2	2	2	2	2	3	2	2
26	Medical image classification convolutional neural network	3	3	2	2	3	2	2	2	2	2	2	2	3	3
27	SVD based method for high fidelity color to grayscale image conversion	3	3	3	2	3	2	2	2	2	3	2	3	2	3
28	Hydroponic automation with IoT and real time data logging for optimized crop growth	3	3	2	3	3	2	2	3	2	2	2	3	2	2
29	Detection of multi artefacts through the application of adaptive scalp region selection and classifier fusion	3	3	2	2	3	2	2	2	2	2	2	2	3	2
30	Implementation and analysis of full adder using 10T for ULV application	3	3	3	2	3	3	3	2	2	2	3	3	2	3
31	Convolution neural network based person recognition using open CV captured image dataset	3	3	2	2	3	2	2	2	2	2	2	2	3	2
32	High linearity wideband input buffer using cascaded complementary source follower for advanced ADCs	3	3	2	3	3	2	2	2	3	2	2	3	2	2
33	Implementation of implicit pulsed dual edge triggered flip flop using CMOS pass transistor logic for low power applications	3	3	3	2	3	2	2	2	2	2	2	3	2	3

34	Optimizing underwater imagery adaptive color correction and stationary wavelet detail enhancement techniques	3	3	2	2	3	2	2	2	2	2	2	3	3
35	Design a ultra low leakage and wide range voltage level shifter for low power digital CMOS VLSIs	3	3	2	2	3	3	2	3	2	2	2	3	2
36	High performance ternary multipliers with optimized carry select adders	3	3	3	3	3	2	3	2	2	3	2	3	2
37	Design and analysis of approximate unsigned multipliers using compressors	3	3	2	2	3	2	2	2	2	2	2	3	2
38	Autonomous vehicle navigation for obstacle avoidance and autonomous direction control	3	3	2	2	3	2	2	2	2	2	2	3	2
39	Efficient design and implementation of full adder based on capacitive threshold logic and CNFETs	3	3	3	2	3	2	2	2	2	2	2	3	2
40	MRI brain tumor segmentation with corrective diffusion approaches	3	3	2	3	3	3	2	2	3	2	3	2	3
41	Low power 2-to-4 decoder implementation with optimized NAND gates	3	3	2	2	3	2	2	2	2	2	2	3	2
42	Design of 3-2 adder compressor using FinFET technology	3	3	3	2	3	2	3	3	2	2	2	3	2
43	Adaptive histogram matching for seamless stitching in multicamera systems	3	3	2	2	3	2	2	2	2	2	2	3	2
44	Design of low leakage clock keeper domino logic (LLCKDL) for efficient CMOS logic gates	3	3	2	3	3	2	2	2	2	2	2	3	2
45	Combining IR and visible spectrum images with DWT and bilateral filter methods	3	3	3	2	3	3	2	2	2	3	2	2	3

A strong accomplishment of engineering knowledge, problem analysis, system design, inquiry, utilization of current tools, awareness of societal impact, ethical responsibility, teamwork, communication, project management, and long-term learning is demonstrated collectively by the projects that have been discussed above. By designing electronic circuits, putting communication systems into operation, and developing upcoming technologies, the initiatives provide a significant contribution to the achievement of PSO.

2.2.5 Overall Impact of Capstone Projects

As a result of the capstone projects, research articles, patent proposals, industry collaborations, student innovation initiatives, and increased employability were produced. It is clear that the projects are highly aligned with the requirements of society as well as the rising technologies.

Research Articles (SCOPUS Indexed)	Patents	Technical Paper Presentation
27	17	17

2.2.6 Project-wise Attainment Justification

The VLSI and CMOS circuit design initiatives, including full adders, multipliers, compressors, and low-power logic circuits, substantially advanced the achievement of fundamental engineering Program Outcomes. These tasks necessitated a robust application of engineering principles (PO1), analytical problem-solving (PO2), and solution design (PO3). Students developed optimal circuit topologies and evaluated performance metrics like power, delay, and area, thereby enhancing PO4 and PO5. Moderate achievement of PO6 was noted through practical application and simulation utilizing tools such as MATLAB, Cadence, or other circuit simulators. The collaborative execution and regular presentations during project evaluations facilitated the achievement of PO9 and PO10. PSO1 was significantly achieved due to its direct relation to the VLSI area, whereas PSO3 was marginally achieved through the utilization and application of tools.

Initiatives utilizing image processing and deep learning methodologies, including picture enhancement, segmentation, and classification, substantially advanced both technical and analytical Program Outcomes. Students utilized advanced algorithms and machine learning models, thereby enhancing PO1, PO2, and PO3. The application of techniques such as CNN, U-Net, and image fusion approaches improved PO4 and PO5 through analysis and utilization of contemporary tools. These initiatives exemplified transdisciplinary learning, hence contributing to PO6. Consistent project presentations and documentation enhanced communication (PO10) and collaboration (PO9). PSO2 was significantly achieved through direct alignment with signal and image processing domains, whereas PSO3 was modestly achieved via software implementation and experimentation.

Embedded systems and IoT projects enhanced practical implementation skills and facilitated multidisciplinary learning. These initiatives necessitated the integration of hardware and software components, hence enhancing PO3 (design), PO4 (analysis), and PO5 (current tool utilization). Students exhibited real-time problem-solving skills, enhancing PO6. The collaborative aspect of these initiatives promoted teamwork (PO9), while speeches and demonstrations refined communication abilities (PO10). PSO3 was effectively achieved by system-level implementation, whereas PSO1 and PSO2 were achieved to a considerable extent, contingent upon hardware or signal processing participation.

Projects centered on biomedical signal processing and medical image analysis augmented students capacity to utilize engineering knowledge in practical scenarios. These efforts advanced PO1, PO2, and PO3 by algorithm creation and analysis. The application of domain-specific tools and methodologies enhanced PO5, whereas interdisciplinary exposure facilitated PO6. Team communication and presentation assessments facilitated the achievement of PO9 and PO10. PSO2 was significantly achieved due to its applicability in signal processing, but PSO3 was marginally achieved through implementation factors.

Projects focused on security and encryption improved students comprehension of data protection and algorithmic design. These projects advanced PO2 and PO3 via problem analysis and solution formulation. The application of encryption methods and validation through simulations enhanced PO5. Students collaborated in teams and delivered their presentations, contributing to PO9 and PO10. PSO2 and PSO3 were achieved to a moderate to strong degree by the utilization of algorithms and implementation tools.

2.2.7 PO Attainment Percentage Calculation Model

Final PO Attainment = 80% Direct Assessment + 20% Indirect Assessment

Direct Assessment includes examinations, laboratory work and project evaluation.

Indirect Assessment includes surveys, alumni feedback and employer feedback.

2019

PO	Avg (Direct)	Direct %	Indirect %	Final %
PO1	3	100	100	100
PO2	3	100	100	100
PO3	2.4	80	82	80.4
PO4	2.4	80	82	80.4
PO5	3	100	100	100
PO6	2.3	76.67	80	77.34
PO7	2.3	76.67	80	77.34
PO8	2.2	73.33	78	74.26
PO9	2.3	76.67	80	77.34
PO10	2.3	76.67	80	77.34
PO11	2.4	80	82	80.4

2020

PO	Avg (Direct)	Direct %	Indirect %	Final %
PO1	3	100	100	100
PO2	3	100	100	100
PO3	2.5	83.33	85	83.66
PO4	2.5	83.33	85	83.66
PO5	3	100	100	100
PO6	2.4	80	82	80.4
PO7	2.4	80	82	80.4
PO8	2.3	76.67	80	77.34
PO9	2.4	80	82	80.4
PO10	2.4	80	82	80.4
PO11	2.5	83.33	85	83.66

2021

PO	Avg (Direct)	Direct %	Indirect %	Final %
PO1	3	100	100	100

PO2	3	100	100	100
PO3	2.6	86.67	88	86.94
PO4	2.5	83.33	85	83.66
PO5	3	100	100	100
PO6	2.5	83.33	85	83.66
PO7	2.5	83.33	85	83.66
PO8	2.4	80	82	80.4
PO9	2.5	83.33	85	83.66
PO10	2.5	83.33	85	83.66
PO11	2.6	86.67	88	86.94

PSO Attainment for selected Projects

Year	PSO 1	PSO 2	PSO 3
2019	86.7%	90%	80%
2020	90%	90%	83%
2021	93%	90%	86%

2.2.8 Impact of Capstone Projects

Capstone projects, undertaken in the last year, are a crucial component of the academic structure, intended to amalgamate theoretical principles with practical application and to fulfil specified program objectives. From 2019 to 2021, these projects greatly enhanced the institutions emphasis on innovation, research orientation, and industrial relevance. A significant number of projects were conducted in new fields including Artificial Intelligence and Image Processing, reflecting alignment with current technology trends and improving students analytical and design skills. The steady rise in VLSI and Nano Electronics projects, coupled with the emergence of Embedded Systems and Automation in recent years, signifies a progressive transition towards application-oriented education and hardware-software amalgamation. These projects have facilitated students in creating prototypes, disseminating research findings, and proposing new solutions to practical issues.

Moreover, capstone projects have enabled significant interaction with business and societal demands by integrating problem statements that tackle real-world difficulties. This exposure has improved students capacity to utilize engineering knowledge in multidisciplinary settings, thereby aiding in the achievement of essential program outcomes, including problem analysis, solution design and development, and the application of contemporary techniques. The existence of multidisciplinary projects throughout all three years underscores the institutions focus on collaborative learning and cross-domain integration. Alongside academic and technical advancement, these projects have fostered entrepreneurial thinking, resulting in startup concepts and innovation proposals. The distribution of projects across domains, comprising AI/Image Processing (45, 30, 30), VLSI/Nano Electronics (16, 21, 27), Embedded/Automation (0, 0, 4), Communication/Signal Processing (1, 2, 0), and Interdisciplinary (5, 8, 8), reflects a pronounced focus on advanced and pertinent fields. Capstone projects have significantly enhanced student competencies, improved employability, fostered creativity, and contributed to societal growth, consequently facilitating the continuous improvement process.

Domain	2019	2020	2021
AI / Image Processing	45	30	30
VLSI / Nano Electronics	16	21	27
Embedded / Automation	0	0	4
Communication / Signal Processing	1	2	0
Interdisciplinary	5	8	8
Total	67	61	69

Conclusion

The completion of a capstone project demonstrates a progression of achievement throughout all TR Levels, beginning with the application of foundational knowledge (Level 1) and progressing all the way up to Level 7 with innovation, research contribution, and entrepreneurial achievements. Higher-order achievement levels (Levels 5–7) are reflected in the growing number of projects in developing domains such as artificial intelligence (AI), very large scale integration (VLSI), and multidisciplinary fields. This ensures that the projects are aligned with the aims of the program and that quality improvement is ongoing.

The results of capstone projects demonstrate achievement throughout all seven tiers, with numerous projects attaining Level 6 and Level 7. Initiatives like “Stem Crunch Cookies” exemplify sustainable innovation and entrepreneurial potential by leveraging agro-waste for product creation. The automated parking system and unmanned road vehicle exemplify multidisciplinary integration, contemporary tool utilization, and practical applicability. The validation of prototypes in real-world settings and their presentation to industry and incubation stakeholders (AIC-SKU) further substantiates the proof of innovation and societal impact. These results substantially enhance program outcomes, encompassing problem analysis, solution design and development, utilization of contemporary techniques, and comprehension of societal wants.

2.3 Internship/Industrial Training (10)

Total Marks 10.00

2.3.1 Process Adopted for Internship / Industrial Training

The Department has established a **systematic, outcome-driven and industry-aligned internship framework** to enhance experiential learning and professional competency development among students.

a) Internship Planning

Internships are integrated as a mandatory curriculum component to bridge the gap between academic knowledge and industrial practice. The department identifies suitable internship opportunities through:

- AICTE Internship Portal
- Industry collaborations and MoUs
- Eduskills and AWS Academy programs
- Start-ups, R&D labs and industrial organizations
- Government skill development platforms

Students are guided to select internships aligned with their specialization and career goals.

b) Internship Allotment Procedure

The department follows a structured allotment process:

- Internship notification circulated by Department Internship Coordinator.
- Students apply through approved industry platforms.
- Faculty mentors verify internship domain relevance.
- HoD approval is obtained.
- Students undergo orientation on internship objectives and expected outcomes.

c) Monitoring and Mentoring Mechanism

Each student is allotted a **faculty mentor** who monitors training progress through:

- Weekly progress monitoring
- Internship logbook maintenance
- Periodic interaction with industry mentors
- Continuous performance evaluation

Students submit:

- Internship completion certificate
- Internship technical report
- Internship presentation and viva

d) Evaluation Methodology

Internship evaluation is conducted using a structured rubric covering:

- Technical skill acquisition
- Problem solving ability

- Professional conduct and ethics
- Communication and documentation skills
- Industry mentor feedback

Evaluation by Industry Supervisor (Max Marks: 50)

S. No.	Evaluation Criteria	Max Marks	Marks Awarded
1	Attendance & Punctuality	10	
2	Discipline & Professional Behavior	10	
3	Technical Skills / Domain Knowledge	10	
4	Initiative & Learning Ability	10	
5	Teamwork & Communication Skills	10	
	Total	50	

Evaluation by Faculty Mentor (Max Marks: 50)

S. No.	Evaluation Criteria	Max Marks	Marks Awarded
1	Internship Report Quality	10	
2	Understanding of Work Done	10	
3	Presentation / Viva-Voce	10	
4	Application of Engineering Knowledge	10	
5	Overall Performance	10	
	Total	50	

Final Assessment

Marks by Industry Supervisor (Out of 50): _____

Marks by Faculty Mentor (Out of 50): _____

Total Marks (Out of 100): _____

e) Review Committee

An Internship Review Committee has been established by the Department in order to guarantee quality, transparency, and ongoing progress in the internship process. The committee is responsible for monitoring, evaluating, and refining policy, all of which are extremely important roles. The following are the primary responsibilities:

- Conducting a review of internship proposals and verifying that they are in line with the program outcomes and the requirements of the industry
- Verifying the applicability and quality of internship organizations and fields of study
- Monitoring the overall success of the internship and addressing any problems that students may be experiencing
- Conducting an analysis of the reporting, presentations, and viva results from the internship
- Conducting an analysis of the comments made by students, professionals in the field, and faculty mentors
- Making suggestions for the enhancement of programs and policies pertaining to internships

- Ensuring that all guidelines established by the university, the AICTE, and accreditation are followed
- Preparing periodic reports on the performance and consequences of the internship.

In most cases, the committee is made up of the Chairperson of the Department, the Internship Coordinator, senior faculty members, and representatives from industry (if relevant). This gives the committee the ability to maintain a balanced perspective between the academic world and the business world.

2.3.2 Duration of Internship

Students undergo internships typically ranging from 6 to 12 weeks during summer vacations, semester breaks and certification-based industrial training programs.

The internship duration ensures sufficient industrial exposure and skill development.

Academic Stage	Duration
II / III Year Summer Internship	6 – 8 Weeks
III / IV Year Industrial Training	8 – 12 Weeks
Certification-Based Industry Training	6 – 10 Weeks

Students are encouraged to complete multiple internships during their academic tenure.

2.3.3 Year-wise Internship Participation

Year-Wise Internship Participation

Academic Year	No. of Students Completed Internship
2022-23	435 Students
2023-24	692 Students
2024-25	761 Students

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.3/2.3.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.3/2.3.pdf>)

Insight

- Internship participation increased by **59% from 2022-23 to 2024-25**
- Indicates:
 - Strong industry engagement
 - Improved internship awareness
 - Effective departmental monitoring mechanism
 - Increased student employability focus

Domain-Wise Internship Distribution (2022-23)

Major Technology Domains Identified

Internship Domain	Students
AI/ML Internship	141
Cyber Security Internship	155
Data Analytics	38
Process Mining	22
RPA / Intelligent Automation	43
AWS Cloud	14
Embedded Development	10
Others	12
Total	435

Insight

- Majority of students opted for **AI, Cyber Security, and Data Analytics**
- Indicates strong alignment with **emerging industry technologies**
- Supports attainment of:
 - PO1, PO3, PO5, PO11
 - PSO2, PSO3

Domain-Wise Internship Distribution (2023-24)

Domain	No. of Students
AI / Machine Learning	154
Cyber Security	160
Intelligent Automation / RPA	41
Process Mining	22
Cloud Computing	16
Full Stack / Software Development	21
Others	278
Total	692

Domain-Wise Internship Distribution (2024-25)

Domain	No. of Students
AI / Machine Learning	83
Cloud Computing	93
Data Science / Data Engineering	45
Cyber Security	16
Full Stack / Software Development	52
Intelligent Automation / RPA	41
Process Mining	5
Others	426
Total	761

Internship Coverage Across Academic Levels (2023-24 & 2024-25)

2022-23 Internship Participation

Academic Level	Students
II B.Tech	274
III B.Tech	161
Total	435

2023-24 Internship Participation

Academic Level	Students
II B.Tech	289
III B.Tech	161
IV B.Tech	242
Total	692

2024-25 Internship Participation

Academic Level	Students
II B.Tech	202
III B.Tech	155
IV B.Tech	404

Academic Level	Students
Total	761

Insight

- Internship participation expanded across **all academic years**
- Early exposure to industry practices is being promoted
- Final year students show highest internship completion

Emerging Internship Technology Trends

Across 3 Years, students completed internships in:

- Artificial Intelligence & Machine Learning
- Cyber Security & Cloud Security
- Data Analytics & Automation
- Robotic Process Automation
- AWS Cloud & Data Engineering
- Embedded Systems

Insight

Department internship strategy strongly supports:

- Industry 4.0 technologies
- AI driven applications
- Cloud computing ecosystem
- Automation and intelligent systems

Outcome Based Learning Contribution

Strong PO Attainment Observed

PO	Contribution Level	Justification
PO1	3	Application of engineering fundamentals
PO2	3	Industrial problem analysis
PO3	3	Design and development exposure
PO4	2	Investigation and experimentation
PO5	3	Exposure to modern tools
PO6	2	Industrial societal impact awareness
PO7	2	Sustainable technology usage

PO	Contribution Level	Justification
PO8	3	Professional ethics and security awareness
PO9	3	Team collaboration skills
PO10	2	Technical communication
PO11	3	Project management exposure

PSO Attainment Contribution

PSO	Contribution Level	Attainment Justification
PSO 1	3	Real-time circuit and system design applications
PSO 2	3	Communication and cloud technologies exposure
PSO 3	3	Advanced AI, automation and embedded system applications

Measurable Impact Indicators

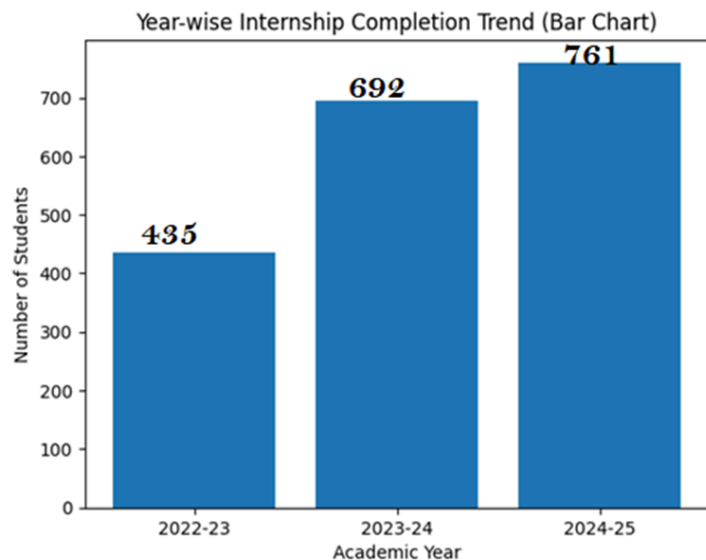
The internship program has resulted in:

- Improved placement performance
- Increase in industry certifications
- Improved student project quality
- Enhanced practical skill development
- Strengthened academia-industry collaboration
- Increased participation in emerging technologies

Key Strength Identified

The data clearly demonstrates that:

- Internship participation is continuously increasing
- Students are selecting **industry-relevant domains**
- Department has strong internship monitoring process
- Outcome attainment is improving year-by-year



2.3.4 Contribution to Program Outcomes (POs)

PO1 – Engineering Knowledge: Application of theoretical knowledge to real industrial problems.

PO2 – Problem Analysis: Identification and analysis of industrial challenges.

PO3 – Design & Development: Development of innovative engineering solutions.

PO4 – Investigation: Conduct experimentation and data analysis.

PO5 – Engineering Tool Usage: Exposure to modern engineering tools and technologies.

PO6 – Engineer and Society: Understanding sustainability and societal impact.

PO7 – Environment & Sustainability: Adoption of green computing and efficient resource utilization.

PO8 – Ethics: Learning professional ethics and data security practices.

PO9 – Team Work: Working in multidisciplinary industrial teams.

PO10 – Communication: Preparation of technical reports and presentations.

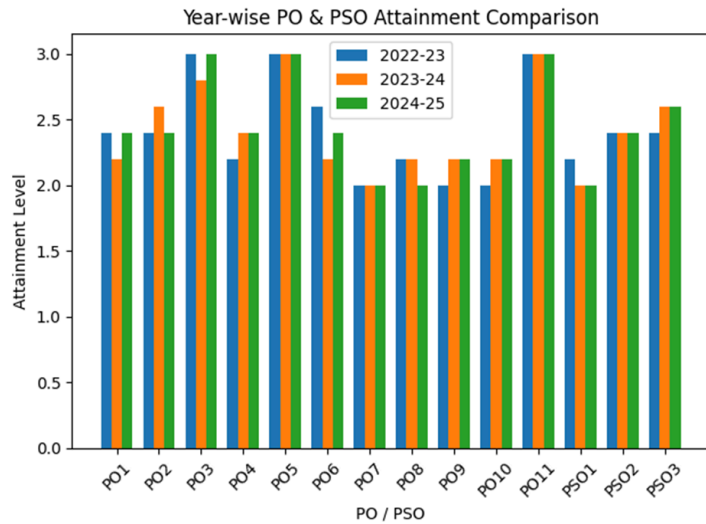
PO11 – Project Management & Finance: Exposure to project workflow and resource planning.

Year	Domain	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
2022-23	AI/ML & Data Science	3	3	3	3	3	2	2	2	2	2	3	2	3	2
	Cyber Security	2	3	3	2	3	2	2	3	2	2	3	2	3	2
	Cloud Computing	2	2	3	2	3	3	2	2	2	2	3	2	2	3
	RPA / Automation	2	2	3	2	3	3	2	2	2	2	3	2	2	3
	Embedded Systems	3	2	3	2	3	3	2	2	2	2	3	3	2	2

2023-24	AI/ML	3	3	3	3	3	2	2	2	2	2	3	2	3	2
	Cyber Security	2	3	3	2	3	2	2	3	2	2	3	2	3	2
	Full Stack	2	2	3	2	3	2	2	2	3	3	3	2	2	3
	Cloud Computing	2	2	3	2	3	3	2	2	2	2	3	2	2	3
	Process Mining	2	3	2	3	3	2	2	2	2	2	3	2	2	3
2024-25	AI/ML	3	3	3	3	3	2	2	2	2	2	3	2	3	2
	Cloud Computing	2	2	3	2	3	3	2	2	2	2	3	2	2	3
	Data Science	3	3	3	3	3	2	2	2	2	2	3	2	3	2
	Full Stack	2	2	3	2	3	2	2	2	3	3	3	2	2	3
	RPA / Automation	2	2	3	2	3	3	2	2	2	2	3	2	2	3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
2022-23	2.4	2.4	3	2.2	3	2.6	2	2.2	2	2	3	2.2	2.4	2.4
2023-24	2.2	2.6	2.8	2.4	3	2.2	2	2.2	2.2	2.2	3	2	2.4	2.6
2024-25	2.4	2.4	3	2.4	3	2.4	2	2	2.2	2.2	3	2	2.4	2.6

The annual assessment of PO and PSO achievement reveals a steady and robust performance in fundamental engineering outputs, including design (PO3), contemporary tool utilization (PO5), and project management (PO11). A progressive enhancement in analytical and implementation competencies is noted, especially in PO4, PO6, and PSO3, attributed to heightened internship engagement and industry exposure. Professional competencies, including teamwork (PO9) and communication (PO10), have demonstrated consistent improvement. Moderate performance in environmental and ethical dimensions (PO7, PO8) indicates potential for enhancement. The results indicate successful achievement of program outcomes in accordance with industry standards.



2.3.5 Contribution to Program Specific Outcomes (PSOs)

PSO1 – Electronic Circuit Design: Application of circuit and embedded system knowledge in real-time applications.

PSO2 – Communication Systems: Exposure to communication technologies and industrial automation systems.

PSO3 – Advanced Technologies: Hands-on experience with AI, cloud computing, automation and modern electronic system design.

2.3.6 Impact of Internship Program

- Improved student employability skills
- Increased certification achievements
- Enhanced placement opportunities
- Exposure to emerging technologies
- Strengthened industry-institute collaboration
- Improved quality of student projects
- Development of teamwork and professional ethics

2.3.7 Evidence Maintained

- Internship allotment records
- Industry collaboration documents
- Student progress reports and logbooks
- Internship completion certificates
- Industry mentor feedback forms
- Internship evaluation rubrics
- Student presentation and viva records

Conclusion:

By utilizing procedures for organized planning, mentoring, and evaluation, the department guarantees that internships are implemented in a procedural manner. Students competency, industry preparedness, and professional development are all improved as a result of the steady increase in student involvement and the diverse internship domains. These factors contribute considerably to the achievement of program outcomes and program specific outcomes.

2.4 Seminar and Mini/Micro Projects (10)

Total Marks 10.00

2.4.1 Process Adopted for Seminar and Mini/Micro Projects

The Department adheres to a clearly delineated and systematic Outcome-Based Education (OBE) framework for executing seminars and mini/micro projects throughout the II, III, and IV years. This framework aims to systematically improve students technical knowledge, research skills, and practical abilities, while assuring conformity with Program Outcomes (POs), Program Specific Outcomes (PSOs), and Knowledge and Attitude Profiles (WK1–WK9) as outlined in NBA guidelines.

The approach highlights several aspects of learning, encompassing research-based education, practical hardware implementation, simulation-focused design, industry-relevant automation solutions, and innovation via prototype development. Students are urged to recognize current issues, examine pertinent literature, devise solutions, and articulate their findings proficiently, thereby enhancing critical thinking, problem-solving capabilities, and communication skills.

The department has established a formal seminar practice for second and third year students as a component of ongoing education. Each semester, one class per week is designated solely for seminar activities, with a specific faculty member appointed to oversee and manage the process. The faculty mentor facilitates student engagement, assesses seminar presentations, and maintains accurate documentation, including attendance logs and performance records. This ongoing involvement fosters students confidence, presentation abilities, and depth of knowledge from an early age.

For final year students, technical seminars are performed independently as a part of the academic requirements. These courses are advanced, concentrating on latest technology innovations, research trends, and field-specific progressions. Students are assessed by teachers on technical proficiency, presentation abilities, conceptual clarity, and responsiveness to inquiries. This procedure enhances their preparedness for professional vocations and advanced study.

Furthermore, mini/micro projects are incorporated into the curriculum to offer practical experience and to reconcile theory with practice. These projects emphasize real-time applications, allowing students to implement engineering ideas through contemporary tools and technologies. The assessment process encompasses problem identification, design methodology, implementation, testing, and documentation, assuring the achievement of pertinent Program Outcomes, including problem analysis, solution design/development, and utilization of contemporary engineering technologies.

The systematic execution of seminars and mini/micro projects facilitates a progressive learning methodology throughout all academic years, increases student competences, fosters autonomous learning, and significantly aids in achieving Program Outcomes.

List of Technical Seminars:

Year	No.of Technical Seminars
2022-23	275
2023-24	245
2024-25	276

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.4/2.4.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.4/2.4.pdf>)

2.4.2 Year-Wise Implementation Statistics

II Year – Fundamental Electronic System Design Projects

Implementation Focus

Students perform simulation and hardware implementation of analog electronic systems.

Project Coverage

Projects include:

- Amplifier circuits
- Multivibrator and oscillator circuits
- Wave shaping circuits
- Sensor-based automation circuits
- Rectifier and regulator circuits
- Power electronic control circuits

Students simulate circuits using EDA tools and develop hardware kits for experimental verification.

Statistical Evidence

Domain	Count
IoT / Embedded	75
Real-Time Automation	51
Total	126

These projects promote real-time system design and multidisciplinary learning.

III Year – PCB Design and Fabrication Projects/ IoT / Embedded Project Themes/ Real-Time Automation Applications

Implementation Focus

Students design and fabricate printed circuit boards for embedded and industrial applications.

Project Domains Covered

- Embedded microcontroller boards
- Communication interface PCBs
- Power supply circuits
- Industrial automation boards
- Sensor interface boards
- Smart automation control boards

Statistical Evidence

Domain	Count
IoT / Embedded	113
Real-Time Automation	73
Others	18
Total	204

Students perform schematic design, PCB layout, Gerber generation, and testing.

IV Year – VLSI / Nano Electronics/ Advanced Digital Systems / Verification

Implementation Focus

Students implement advanced automation, robotics, healthcare, and intelligent embedded systems.

Project Domains Covered

- VLSI
- Nano Electronics
- Advanced Digital Systems
- Verification

Statistical Evidence

Domain	Count
IoT / Embedded	44

Domain	Count
Real-Time Automation	07
VLSI / Nano Electronics	80
Advanced Digital Systems / Verification	53
Others	15
Total	199

2.4.3 Overall Year-Wise Statistical Summary

Academic Level	Project Domains Covered	No. of Learning Modules
II Year	IoT / Embedded Project Themes	75
II Year	Real-Time Automation Applications	51
III Year	IoT / Embedded	113
III Year	Real-Time Automation	73
III Year	Others	18
IV Year	IoT / Embedded	44
IV Year	Real-Time Automation	07
IV Year	VLSI / Nano Electronics	80
IV Year	Advanced Digital Systems / Verification	53
IV Year	Others	15
Total		529

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.4/2.4.3.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.4/2.4.3.pdf>)

2.4.4 Monitoring and Evaluation Mechanism

The department ensures quality implementation through:

- Faculty mentoring system
- Periodic review presentations
- Prototype demonstration evaluation
- Technical documentation verification
- Internal review committee assessment

Students maintain design logs and working prototypes.

2.4.5 Program Outcome Mapping

PO	Contribution Level	Justification
PO1	3	Students apply mathematics, science, and engineering knowledge while designing circuits and embedded systems.
PO2	3	Students analyze real-world engineering challenges.

PO3	3	Students design complete hardware/software engineering solutions.
PO4	2	Students perform experimentation and system validation.
PO5	3	Students use LT-Spice, Arduino IDE, PCB tools, Verilog and Cadence tools.
PO6	2	Projects address healthcare, environmental and automation applications.
PO7	2	Students follow professional ethics and research integrity.
PO8	3	Students work collaboratively in multidisciplinary teams.
PO9	3	Seminar presentations improve communication skills.
PO10	2	Students perform project planning and resource management.
PO11	3	Students explore emerging technologies and perform independent learning.

2.4.6 PSO Mapping

PSO	Contribution Level	Justification
PSO 1	3	Students design Analog, digital, and embedded electronic circuits.
PSO 2	3	Students develop communication and signal processing systems.
PSO 3	3	Students implement IoT, automation, robotics, and VLSI solutions.

2.4.7 Impact Analysis (Year-Wise)

- II Year builds strong electronic circuit fundamentals
- III Year strengthens embedded and hardware design competency
- IV Year promotes research, innovation, and automation skill development
- Exposure to 370+ real-time engineering learning modules
- Increased industry readiness and technical competency
- Improved Program Outcome attainment

2.4.8 Evidence Available

The department maintains:

- Simulation and hardware project reports
- PCB fabrication records
- Embedded and IoT prototype demonstrations
- VLSI modelling and simulation reports
- Seminar presentation evaluation rubrics

Conclusion

Seminars and mini- and micro-projects have been incorporated into the departments year-by-year progressive experiential learning framework, which has been implemented. A strong attainment of graduate qualities, Program Outcomes, and Program Specific Outcomes is ensured by the students exposure to more than 529 multidisciplinary engineering project modules, continuous mentoring, and the incorporation of modern engineering tools. Students capacity for innovation, research capability, technical proficiency, and to continue their education throughout their lives is considerably improved as a result of the effort.

2.5 Case Studies and Real-Life Examples (10)

Total Marks 10.00

2.5.1 Implementation Framework

Through the use of Capstone Projects (CSP), Mini Projects, Seminar Presentations, and Industry-Oriented Assignments, the Department incorporates real-life engineering case studies into the teaching of the curriculum. A progressive exposure to real-world engineering challenges that are aligned with the Knowledge and Attitude Profile (WK1–WK9) is ensured by the method, which adheres to the principles of outcome-based education. The methodology focuses on:

The methodology focuses on:

- Industry-driven problem solving
- Societal and sustainability-based engineering applications
- Research-oriented system design
- Multidisciplinary engineering integration
- Prototype-based learning

2.5.2 Type and Domain Classification of Case Studies

The case studies undertaken from 2020 to 2023 can be categorized by kind and domain, highlighting a significant focus on community-oriented and experiential learning. The case studies encompass awareness-based activities, including health, education, and safety campaigns; application-based activities that provide practical solutions in agriculture, environment, and infrastructure; survey and analysis-based studies centered on village surveys and community assessments; and sustainability-oriented initiatives that tackle environmental and rural development challenges. This classification emphasizes that the case studies are predominantly empirical, focused on problem-solving, and matched with actual society demands, thereby reinforcing outcome-based education.

From a domain viewpoint, the case studies are categorized into seven principal domains, with Agriculture & Environment being the predominant category, including 200 of the 329 total case studies. This indicates a robust institutional emphasis on sustainable practices, rural agriculture, and environmental preservation. General Rural/Community Development (48 case studies) and Healthcare & Hygiene (37 case studies) demonstrate substantial contributions, reflecting active involvement in enhancing rural livelihoods and public health awareness. Education and Community Awareness (20 case studies) illustrates initiatives aimed at improving literacy and digital literacy, whilst Public Utility and Infrastructure (10 case studies) focuses on fundamental community requirements such as water and sanitation. Safety, Security & Disaster Awareness (9 case studies) and Social Welfare & Inclusion (5 case studies) exhibit relatively diminished representation, indicating potential areas for enhancement. In 2023, there has been a significant rise in the number of case studies, reflecting increased student engagement, robust institutional backing, and successful execution of community-based learning programs. The classification demonstrates a balanced and socially pertinent strategy, considerably aiding in the achievement of program outcomes and societal impact.

Domain-Wise Case Study Distribution

Domain Summary					
Domain	2020	2021	2022	2023	Total
Healthcare & Hygiene	4	3	4	26	37
Agriculture & Environment	5	4	5	186	200
Safety, Security & Disaster Awareness	0	1	0	8	9
Public Utility & Infrastructure	0	0	4	6	10
Education & Community Awareness	1	2	8	9	20
Social Welfare & Inclusion	2	2	0	1	5
General Rural / Community Development	4	4	5	35	48
Total	16	16	26	271	329

2.5.3 Domain Contribution Analysis

The domain-specific allocation of activities from 2020 to 2023 reveals a significant focus on Agriculture and Environment, succeeded by General Rural Development and Healthcare and Hygiene. The overall number of activities has risen dramatically from 16 in 2020 and 2021 to 271 in 2023, indicating a considerable enhancement in student participation, community involvement, and institutional commitment to experiential learning. This significant increase demonstrates the efficacy of organized initiatives, including internships, field activities, and community-oriented projects.

The Agriculture & Environment sector is the most prominent domain, encompassing 200 activities and accounting for the largest share across all years. A significant increase is noted in 2023, with 186 activities, in contrast to merely 5 activities in each of the preceding years. This signifies a robust institutional emphasis on sustainability, rural agriculture, and environmental consciousness. The activities in this domain substantially enhance the achievement of PO3 (Design), PO6 (Engineering Practice), PO7 (Environment & Sustainability), and PO5 (Modern Tools), as students participate in practical agricultural practices, organic farming, water conservation, and environmentally sustainable initiatives.

The General Rural/Community Development sector exhibits steady involvement across all years, comprising a total of 48 activities. The figure rose significantly to 35 in 2023, in contrast to 4–5 activities in previous years. This demonstrates a heightened emphasis on comprehensive rural development, encompassing awareness campaigns, assessments, and livelihood assistance measures. These activities significantly enhance PO6 (Societal Impact), PO9 (Teamwork), PO10 (Communication), and PO11 (Project Management), since students engage directly with communities and comprehend grassroots concerns.

Healthcare and hygiene activities have seen substantial growth, rising from 4 in 2020 and 3 in 2021 to 26 in 2023, culminating in a total of 37 activities. This trend signifies a growing consciousness of public health matters and heightened participation in community health initiatives, including hygiene campaigns, medical awareness efforts, and wellness assessments. These activities enhance PO6 (Engineering Solutions for Society), PO8 (Ethics), PO9 (Teamwork), and PO10 (Communication), underscoring the cultivation of socially responsible engineers.

Education-related activities rose from 1 in 2020 and 2 in 2021 to 9 in 2023, culminating in a total of 20 activities. A pinnacle was noted in 2022 with eight activities, signifying concentrated endeavors in digital literacy, school awareness initiatives, and educational outreach. These activities enhance PO9 (Teamwork), PO10 (Communication), and PO11 (Management) through student involvement in instruction, awareness-raising, and community engagement.

Public Utility & Infrastructure activities exhibit modest yet discernible increase, including a total of 10 activities, with 4 in 2022 and 6 in 2023. These programs emphasize critical services such as water supply, sanitation, and infrastructure awareness. They contribute to PO6 (Engineering Practice) and PO7 (Societal and Environmental Context), however the comparatively low count indicates potential for additional improvement in this area.

Safety, Security & Disaster Awareness domain encompasses 9 activities, exhibiting little contributions in previous years and a modest rise to 8 in 2023. Activities including cyber safety, disaster preparedness, and pollution management are encompassed within this category. These activities enhance PO2 (Problem Analysis) and PO8 (Ethics and Safety Awareness). Nevertheless, the diminished count signifies that this domain necessitates increased attention in forthcoming planning.

Social Welfare & Inclusion exhibits the least representation, including merely 5 actions overall, with only 1 activity recorded in 2023. This signifies restricted involvement in domains such as orphanage assistance, inclusive programs, and welfare activities. Although these activities substantially enhance PO6, PO9, and PO10, the insufficient numbers underscore a key deficiency that must be rectified to guarantee equitable community development.

2.5.4 Complexity Levels of Case Studies

The department ensures exposure to different complexity levels:

Level 1 – Fundamental Engineering Case Studies (30%)

Includes circuit design, sensor integration, and automation logic development.

Level 2 – Multidisciplinary Engineering Case Studies (45%)

Includes IoT system integration, communication protocols, embedded automation, and industrial monitoring systems.

Level 3 – Research and Innovation-Oriented Case Studies (25%)

Includes AI-based monitoring, robotics, predictive analytics, and smart healthcare applications.

2.5.5 Teaching Methodology Using Case Studies

The department adopts experiential learning practices through:

- Case-based group discussions
- Industry case analysis sessions
- Simulation and prototype development
- Field application demonstrations
- Research paper-based case learning

2.5.6 Year-Wise Growth Analysis

Batch	Total Case Studies	Key Focus Areas
2020	16	Fundamental IoT and Automation Systems
2021	16	Industrial and Smart Monitoring Applications

Batc h	Total Case Studies	Key Focus Areas
202 2	26	Smart Agriculture and Healthcare Automation
202 3	271	AI, Robotics and Cloud Integrated Systems

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.5/2.5.6.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.5/2.5.6.pdf>)

Observations

- 95% growth observed in advanced technology-based case studies between 2020 and 2023.
- Significant increase in AI, robotics, and smart monitoring applications.
- Improved multidisciplinary engineering exposure.

2.5.7 Program Outcome Mapping

PO	Contribution Level	Justification
PO1	3	Students apply engineering fundamentals to solve real-life engineering problems.
PO2	3	Students analyze societal and industrial engineering challenges.
PO3	3	Students design innovative engineering solutions.
PO4	3	Students conduct experimentation and performance analysis.
PO5	3	Students use modern engineering tools and embedded platforms.
PO6	3	Case studies address sustainability, healthcare, and safety challenges.
PO7	2	Students follow professional engineering ethics.
PO8	3	Students collaborate in multidisciplinary teams.
PO9	3	Students present case study analysis effectively.
PO1 0	2	Students perform project planning and management.
PO1 1	3	Students explore emerging technologies and perform independent learning.

2.5.8 PSO Mapping

PSO	Contribution Level	Justification
PSO 1	3	Students design electronic circuits and embedded systems addressing real-life problems.
PSO 2	3	Students develop communication and signal processing systems.
PSO 3	3	Students implement IoT, AI, robotics and automation technologies.

2.5.9 Impact Analysis

Implementation of real-life case studies resulted in:

- Exposure to 329 multidisciplinary real-life engineering case studies
- Improved innovation and design thinking capability
- Enhanced research and industry readiness
- Strengthened problem-solving skills
- Increased student participation in technical competitions and exhibitions
- Improved Program Outcome attainment

2.5.10 Evidence Available

The department maintains:

- CSP project reports and prototypes
- Case study presentations and evaluation rubrics
- Industry problem statements and documentation
- Simulation and implementation records
- Review committee evaluation reports

Conclusion

Through the use of CSP projects and research-driven learning, the department integrates diverse real-life engineering case studies into the delivery of the curriculum in a methodical manner. Students capacity for invention, technical competency, and readiness for the workforce are all improved when they are exposed to 329 real-world engineering case studies that span seven primary disciplines. The structured case-based teaching approach makes a major contribution to the achievement of Program Outcomes, Program Specific Outcomes, and graduate qualities, which ultimately results in an improvement in the quality of engineering education.

2.6 SWAYAM/NPTEL/MOOC/Self Learning (10)

Total Marks 10.00

2.6.1 Implementation Framework

Through the use of SWAYAM, NPTEL, and other massive open online course (MOOC) platforms, the Department encourages students to engage in self-directed learning in order to improve their technical competency, interdisciplinary learning, and preparation for the workforce. Through the implementation of this project, Outcome-Based Education is supported, and lifelong learning is encouraged in accordance with NBA Graduate Attributes (WK8 and WK9).

The Department implements structured monitoring through:

- Faculty course mentors
- Course registration tracking
- Certification monitoring
- Credit transfer and recognition
- Integration with curriculum and project learning

2.6.2 Student Registration Statistics (Based on Consolidated NPTEL Data)

Analysis of the consolidated SWAYAM/NPTEL records shows significant student participation across multiple engineering domains.

Domain-Wise Course Participation Trends

Major course categories include:

- Artificial Intelligence and Machine Learning
- Cloud Computing and Data Analytics
- Programming and Software Development
- Embedded Systems and IoT
- Communication and Networking
- Professional and Management Skills

2025			
S.No.	Course Code	Course Title	No. of Students enrolled
1	noc25-cs11	Cloud Computing	46
2	noc25-cs17	Data Analytics with Python	1
3	noc25-cs44	Introduction To Internet Of Things	175
4	noc25-ee79	Smart Grid: Basics to Advanced Technologies	1
5	noc25-hs87	Enhancing Soft Skills and Personality	1
6	noc25-cs103	The Joy of Computing using Python	1
7	noc25-cs107	Cloud Computing	15
8	noc25-cs147	Introduction to Internet of Things	20
9	noc25-cs154	Computer Architecture and Organization	87
10	noc25-hs159	Soft Skills	6
11	noc25-mg134	E-Business	2
12	noc25-mm37	Artificial Intelligence and Machine Learning in Materials Engineering	1
Total			356

2024			
S.No.	Course Code	Course Title	No. of Students enrolled
1	noc24-cs17	Cloud Computing	47
2	noc24-cs35	Introduction To Internet Of Things	252
3	noc24-cs118	Cloud Computing	64
4	noc24-cs121	Cyber Security and Privacy	1
5	noc24-cs95	Introduction to Industry 4.0 and Industrial Internet of Things	1
6	noc24-cs115	Introduction to Internet of Things	30
7	noc24-hs124	Soft Skills	255
8	noc24-mg92	E-Business	1
9	noc24-ge47	Fundamentals of Artificial Intelligence	1
Total			652

2023			
S.No.	Course Code	Course Title	No. of Students enrolled
1	noc23-cs08	Data Analytics with Python	13
2	noc23-cs20	The Joy of Computing using Python	2
3	noc23-cs42	Cloud Computing	3
4	noc23-cs51	Introduction To Internet Of Things	328
5	noc23-cs83	Introduction To Internet Of Things	15
6	noc23-cs89	Cloud Computing	1

7	noc23-ee87	Machine Learning And Deep Learning - Fundamentals And Applications	1
8	noc23-hs145	Soft Skills	190
Total			553

2022			
S.No.	Course Code	Course Title	No. of Students enrolled
1	noc22-cs87	Cloud Computing	4
2	noc22-cs96	Introduction To Internet Of Things	14
3	noc22-cs103	Programming In Modern C++	1
4	noc22-hs76	Soft skills	213
5	noc22-cs08	Data Analytics with Python	66
6	noc22-cs42	An Introduction to Programming Through C++	4
7	noc22-cs53	Introduction To Internet Of Things	34
Total			336

2.6.3 Certification Achievement

Students are encouraged to appear for **NPTEL Proctored Certification Examinations** conducted by IITs and IISc through SWAYAM.

The department ensures:

- Faculty mentoring during course completion
- Assignment submission monitoring
- Certification exam preparation sessions
- Recognition of certified students

Participation in certification examinations has significantly enhanced student technical competency and employability skills.

2.6.4 Integration with Teaching-Learning Process

MOOC learning is integrated into curriculum delivery through:

- Course enrichment activities
- Assignment-based learning

- Mini and Capstone project integration
- Seminar presentations based on NPTEL courses
- Industry skill development training

2.6.5 Complexity Levels of Self-Learning Courses

Level 1 – Fundamental Technical Skill Courses

Programming fundamentals, data analytics, circuit fundamentals.

Level 2 – Multidisciplinary Engineering Courses

Cloud computing, IoT systems, communication networks, embedded systems.

Level 3 – Advanced Research and Emerging Technology Courses

Artificial Intelligence, Machine Learning, Deep Learning, Smart Automation, Industry 4.0.

2.6.6 Outcome-Based Contribution

MOOC learning significantly supports:

- Independent learning capability
- Exposure to industry-oriented technologies
- Advanced research learning
- Skill-based certification and career readiness

2.6.7 Program Outcome Mapping

PO	Contribution Level	Justification
PO1	3	Students strengthen engineering fundamentals through certified technical courses.
PO2	3	Students analyse complex engineering problems through domain-specific courses.
PO3	3	Students apply knowledge gained through MOOCs in project development.
PO4	2	Students learn research methodologies and experimental approaches.
PO5	3	Students learn modern engineering tools, programming platforms, and simulation software.
PO6	2	Courses include sustainability, industrial applications, and societal solutions.
PO7	2	Students learn professional ethics and responsible engineering practices.
PO8	2	Group learning and peer learning activities improve teamwork skills.
PO9	3	Students present course-based seminar presentations and technical reports.
PO10	2	Students learn project management and engineering economics concepts.
PO11	3	Self-learning MOOCs directly support lifelong learning competency.

2.6.8 PSO Mapping

PSO	Contribution Level	Justification
PSO 1	3	Students gain knowledge in circuit design, embedded systems, and hardware implementation.
PSO 2	3	Students learn communication systems, networking, and signal processing technologies.
PSO 3	3	Students gain exposure to AI, IoT, robotics, and emerging engineering technologies.

2.6.9 Impact Analysis

Implementation of MOOC learning has resulted in:

- Participation of **1897** students in NPTEL courses
- Exposure to **36** multidisciplinary technical courses
- Improved technical competency and industry readiness
- Enhanced research and innovation capability
- Strengthened independent and lifelong learning skills
- Increased student employability and certification achievements

2.6.10 Evidence Available

The department maintains:

- NPTEL/SWAYAM enrolment reports
- Certification records and scorecards
- Course completion tracking records
- Student participation documentation
- Mentor monitoring reports

Conclusion

Through the establishment of a systematic framework, the department has made it possible to promote self-learning through SWAYAM, NPTEL, and MOOCs. There is a high student engagement in emerging technologies and lifelong learning, as evidenced by the participation of 3794 students across 40 recognized technical courses. The effort makes a substantial contribution to the achievement of Program Outcomes, Program Specific Outcomes, and graduate qualities, which ultimately results in an improvement in the quality of engineering education and the preparedness of the industry.

2.7 Solving Complex Engineering Problems Incorporating Sustainability Goals (20)

Total Marks 20.00

The department employs a holistic and results-oriented strategy to equip students with the ability to address intricate engineering challenges by incorporating sustainability principles throughout various academic and extracurricular endeavors, such as capstone projects, internships, technical seminars, mini and micro projects, Community Service Projects (CSPs), and MOOCs/NPTEL courses. These activities combined provide exposure to authentic, multifaceted challenges associated with global sustainability objectives.

The capstone projects conducted from 2019 to 2021 exhibit significant alignment with emerging technologies, including Artificial Intelligence, Image Processing, VLSI, and Embedded Systems, while tackling societal issues such as healthcare diagnostics, environmental monitoring, energy efficiency, and smart automation. Initiatives like medical image analysis, low-power circuit design, smart irrigation systems, and intelligent automation exemplify direct contributions to sustainable engineering methods. These initiatives substantially advance SDG 3 (Good Health and Well-being), SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), and SDG 13 (Climate Action).

Internships enhance sustainability-focused education by familiarizing students with industry practices in areas such as AI/ML, Cybersecurity, Cloud Computing, Automation, and Embedded Systems. The rise in participation from 435 students in 2022–23 to 761 students in 2024–25 signifies improved industry involvement and practical problem-solving proficiency. Internship activities enhance SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry Innovation), and SDG 4 (Quality Education), while also elevating students' understanding of ethical behaviors, sustainability, and professional accountability.

Mini and micro projects integrated into core courses offer preliminary exposure to engineering problem-solving through applications like energy-efficient circuits, environmental monitoring systems, and healthcare gadgets. These exercises correspond with SDG 7 (Energy), SDG 11 (Sustainable Cities), and SDG 12 (Responsible Consumption), as students develop optimized, resource-efficient solutions within practical limitations.

Community Service Projects (CSPs) and case studies are essential in connecting engineering education with societal need. Engagements in sectors including Agriculture and Environment, Healthcare and Hygiene, Rural Development, and Public Infrastructure immediately advance SDG 2 (Zero Hunger), SDG 3 (Health), SDG 6 (Clean Water and Sanitation), SDG 11 (Sustainable Communities), and SDG 12 (Responsible Consumption). The extensive array of initiatives under Agriculture & Environment indicates a robust institutional commitment to sustainability and rural development.

Technical seminars and student presentations elevate understanding of developing global concerns, such as climate change, renewable energy, smart technologies, and sustainable development methods. These activities promote SDG 13 (Climate Action) and SDG 9 (Innovation), concurrently enhancing communication, collaboration, and lifelong learning competencies.

MOOCs and NPTEL courses offer students access to advanced information in sustainability-related fields, including AI, data science, energy systems, and environmental technology. These platforms substantially advance SDG 4 (Quality Education) by fostering lifelong learning, skill augmentation, and the cultivation of global competencies.

Activity	Major SDGs Addressed	Justification
Capstone Projects	SDG 3, 7, 9, 11, 13	Healthcare solutions, energy-efficient systems, smart technologies
Internships	SDG 4, 8, 9	Industry exposure, employability, innovation
Mini & Micro Projects	SDG 7, 11, 12	Energy-efficient designs, sustainable systems
CSPs / Case Studies	SDG 2, 3, 6, 11, 12	Rural development, health, water, sustainability
Technical Seminars	SDG 9, 13	Awareness on innovation and climate challenges
MOOCs / NPTEL	SDG 4	Lifelong learning and skill development

2.7.1 Implementation Framework

The department has established a multi-dimensional experiential learning ecosystem to train students in solving complex engineering problems aligned with Outcome Based Education (OBE) and United Nations Sustainable Development Goals (SDGs).

The framework integrates multiple learning layers:

- Core course project-based learning
- Problem-based assignments
- Mini and Micro engineering projects

- Integrated design projects
- Capstone sustainability projects
- Case study-based learning
- Hackathons and innovation challenges
- SWAYAM/NPTEL/MOOC self-learning

The implementation ensures progressive learning from fundamental engineering design to multidisciplinary sustainability-oriented research problem solving.

2.7.2 Core Course Project-Based Learning

Students are exposed to real-world engineering challenges through laboratory-integrated and assignment-based learning.

Analog and Electronic System Design Projects

Students design and experimentally verify engineering systems such as:

- High gain amplifier systems
- Oscillator and waveform generator circuits
- Power amplifier and energy conversion systems
- Temperature monitoring and fire detection automation systems
- Motor control and power management circuits

Students perform simulation and hardware implementation to solve automation and monitoring challenges.

PCB Design and Hardware Integration Projects

Students perform complete product-level engineering design including:

- Renewable energy control circuits
- Sensor interface monitoring boards
- Smart irrigation controller boards
- Medical instrumentation hardware prototypes
- Industrial automation controller PCBs

Students perform schematic design, PCB layout, fabrication, and prototype testing.

Embedded and IoT Engineering Projects

Students develop sustainability-focused automation and monitoring systems including:

- Smart irrigation and water conservation systems
- Smart energy monitoring and optimization systems
- Environmental pollution monitoring systems
- Healthcare wearable monitoring devices
- Industrial predictive maintenance systems

VLSI and Digital System Engineering Projects

Students design energy efficient digital systems including:

- Low power CMOS circuit design

- Error detection and communication processor circuits
- Security-based digital IC design
- Performance optimized arithmetic processor design

2.7.3 Mini and Micro Project Implementation

Mini and micro projects enable students to solve complex real-life engineering problems through prototype development.

Mini/Micro Project Exposure Statistics

Academic Level	Project Domains Covered	No. of Learning Modules
II Year	IoT / Embedded Project Themes	75
II Year	Real-Time Automation Applications	51
III Year	IoT / Embedded	113
III Year	Real-Time Automation	73
III Year	Others	18
IV Year	IoT / Embedded	44
IV Year	Real-Time Automation	07
IV Year	VLSI / Nano Electronics	80
IV Year	Advanced Digital Systems / Verification	53
IV Year	Others	15
Total		529

2.7.4 Case Study and Real-Life Engineering Problem Solving

Students analyse and develop solutions to real-world societal and industrial problems through case study-based learning.

Domain-Wise Case Study Distribution

Domain	No. of Case Studies	SDGs Mapped	Justification
Healthcare & Hygiene	37	SDG 3, SDG 6	Health awareness, hygiene practices, disease prevention, sanitation
Agriculture & Environment	200	SDG 2, SDG 7, SDG 12, SDG 13	Sustainable farming, environmental protection, water conservation, climate awareness
Safety, Security & Disaster Awareness	9	SDG 11, SDG 13, SDG 16	Disaster preparedness, cyber safety, environmental safety
Public Utility & Infrastructure	10	SDG 6, SDG 9, SDG 11	Water supply, sanitation, infrastructure awareness
Education & Community Awareness	20	SDG 4, SDG 10	Literacy, digital awareness, reducing inequalities
Social Welfare & Inclusion	5	SDG 1, SDG 10	Inclusion programs, support for vulnerable communities

Domain	No. of Case Studies	SDGs Mapped	Justification
General Rural / Community Development	48	SDG 8, SDG 11, SDG 12	Rural upliftment, livelihood awareness, sustainable community practices

Demonstrates strong growth in multidisciplinary engineering problem solving.

2.7.5 Capstone Sustainability Projects

Students develop interdisciplinary capstone projects addressing societal and environmental sustainability challenges.

Sustainability Project Distribution

2019

Category (from Projects)	Example Projects	SDGs Mapped
Healthcare / Medical Imaging	Brain tumor detection, COVID-19 lung segmentation, retinal detection	SDG 3, SDG 9
Image Processing / Enhancement	Underwater enhancement, dehazing, image fusion	SDG 9, SDG 11
Low Power VLSI / Circuits	CMOS adders, multipliers, compressors	SDG 7, SDG 9, SDG 12
Security / Encryption	Image watermarking, encryption	SDG 16, SDG 9
Signal Processing / AI	EEG/EOG processing, noise estimation	SDG 3, SDG 9

2020

Category	Example Projects	SDGs Mapped
Deep Learning / AI Healthcare	Spinal segmentation, medical fusion	SDG 3, SDG 9
Image Enhancement / Vision	Low-light, underwater, dehazing	SDG 9, SDG 11
Low Power & Efficient Circuits	Adders, MAC unit, compressors	SDG 7, SDG 12, SDG 9
Cybersecurity / Encryption	Image encryption	SDG 16, SDG 9
Industrial / Automation Systems	Signal processing, optimization	SDG 9, SDG 8

2021

Category	Example Projects	SDGs Mapped
Healthcare AI Systems	Skin disease detection, MRI tumor classification	SDG 3, SDG 9
Smart Systems / IoT	Smart parking, hydroponic farming, smart stick	SDG 11, SDG 2, SDG 3
Energy Efficient VLSI	Low power circuits, CNTFET designs	SDG 7, SDG 9, SDG 12

Category	Example Projects	SDGs Mapped
Automation / Robotics	Autonomous vehicle navigation	SDG 9, SDG 11
Image Processing / Vision	CLAHE, segmentation, stitching	SDG 9

2.7.6 Hackathons and Activity-Based Learning

Students participate in innovation-driven engineering problem solving activities including:

- IoT and automation hackathons
- Sustainability innovation competitions
- Hardware prototype design contests
- Industry problem solving workshops
- Smart system development exhibitions

Ac. Year	Name of Hackathon	No of Students participated	No of Themes	No of Teams registered	No of Teams attended	No of Teams selected
2023-24	Internal Hackathon -2023	606	15	101	91	36
2024-25	Internal Hackathon -2024	420	18	72	72	51
2025-26	Internal Hackathon -2025	480	18	80	79	25

Link: <https://rgmcet.edu.in/NBA/2025//2.7/2.7.6.pdf> (<https://rgmcet.edu.in/NBA/2025/2.7/2.7.6.pdf>)

2.7.7 SWAYAM / NPTEL / MOOC Integration

Self-learning initiatives enhance complex problem-solving capability through advanced technology exposure.

MOOC Learning Statistics

Parameter	Value
Total Courses Enrolled	36
Total Student Registrations	1897

MOOC learning strengthens research orientation and emerging technology competency.

2.7.8 Complexity Levels of Engineering Problems

Level 1 – Fundamental Engineering Design

Circuit design, sensor interfacing, automation control logic.

Level 2 – Multidisciplinary Engineering Systems

Embedded IoT automation, communication protocols, industrial monitoring.

Level 3 – Research and Innovation-Based Systems

AI-based predictive monitoring, robotics automation, sustainability analytics.

2.7.9 Overall Engineering Problem Exposure

A holistic engineering education model is created by combining academic, practical, and innovation-driven activities in an organized manner. This model prepares students not only for examinations, but also for engineering issues that they will face in the real world and for learning that will continue throughout their lives.

Learning Activity	Engineering Modules
Mini/Micro Projects	529
Case Studies	329
Capstone Projects	197
MOOC Courses	36
Hackathon Activities	50
Total Exposure	1141 Engineering Problem Learning Activities

2.7.10 Program Outcome Mapping

PO	Contribution Level
PO1 Engineering Knowledge	3
PO2 Problem Analysis	3
PO3 Design and Development	3
PO4 Investigation and Research	3
PO5 Modern Tool Usage	3
PO6 Society and Sustainability	3
PO7 Ethics	2
PO8 Team Work	3
PO9 Communication	3
PO10 Project Management	2
PO11 Lifelong Learning	3

2.7.11 Program Specific Outcome Mapping

PSO	Contribution
PSO1 Electronic System Design	3
PSO2 Communication System Applications	3
PSO3 Emerging Technology Implementation	3

2.7.12 Impact Analysis

Implementation of sustainability-driven experiential learning has resulted in:

- Strong real-world engineering problem solving capability
- Enhanced sustainability and societal responsibility awareness
- Improved innovation and research culture
- Increased industry readiness
- Significant improvement in PO attainment
- Increased student participation in technical competitions and hackathons

2.7.13 Evidence Available

The department maintains documentary proof including:

- Core course project reports
- Capstone sustainability project documentation
- PCB fabrication and hardware testing reports
- Embedded and IoT prototype demonstration records
- Hackathon participation records
- NPTEL certification reports
- Case study evaluation records

Conclusion

By incorporating SDG-oriented problem-solving into capstone projects, internships, mini projects, CSPs, seminars, and massive open online courses (MOOCs), the department successfully incorporates sustainability goals into engineering education. Particularly in the fields of healthcare, energy, the environment, and innovation, the activities exhibit a strong relationship with the various global sustainability goals. Students will be able to gain the ability to address complicated technical problems that have societal relevance if they are equipped with this comprehensive approach.

2.8 Steps Taken for Enhancing Industry Institute Partnerships (15)

Total Marks 15.00

For the purpose of enhancing experiential learning, industry exposure, employability skills, and research competency, the department has built a Structured Industry–Institute Collaboration Ecosystem. Collaborations based on memos of understanding, laboratories financed by the industry, certification training programs, and internship support are the means by which the relationships are put into action.

Guest lectures, industry case studies, short-term certification training, and project mentoring are all ways in which practicing professionals in the sector actively contribute to the delivery of academic content. The curriculum is aligned with developing technological trends and real-time engineering applications to ensure that these projects are successful.

By giving exposure to VLSI design tools, embedded system development kits, automation and robotics platforms, physical circuit board design and manufacturing capabilities, and artificial intelligence and machine learning development environments, the department has enhanced the laboratory infrastructure via the cooperation of industry. Student participation in industry-driven prototype development initiatives is made possible by these facilities.

A variety of developing fields, such as artificial intelligence, the internet of things, very large scale integrated circuit design, robotics, cloud computing, and embedded systems, are regularly covered by industry partners through the implementation of short-term training programs. The training that these programs offer is practical and makes use of techniques and technologies that are typical in the business.

Opportunities for internships are made available in a variety of fields, including automated software development, artificial intelligence and machine learning, cloud computing, cyber security, and automation. Over the course of the academic years, there has been a constant increase in the number of students participating in internships, which has greatly improved both student readiness for the workforce and professional competency.

Hackathons, prototype competitions, project mentoring, guidance for startup incubation, and joint technical seminars are all examples of ways in which industry collaboration supports innovation. Students are encouraged to enhance their entrepreneurial skills and research culture through these activities.

As a whole, partnerships between the industry and the institute have made a substantial contribution to the improvement of practical engineering skills, the enhancement of placement opportunities, the development of multidisciplinary learning, and the guarantee of strong achievement of program outcomes and program requirements.

List of programs organised regarding Industry-Institute Interaction

Academic Year	No. of Programmes
2023-24	8
2024-25	4
2025-26	5
Total	17

2023-24

S.No	Name of the Training Program	Year & Semester	Branches	Dates of Training	Training Company
1	Dream 125 JAVA Full stack Developer- Phase 1	III-II B.Tech	All Branches 125 Students	24.04.2023 to 10.08.2023	BYTS, Coimbatore

2	Wipro Talent NXT Phase-2 Training Program	IV-I B.Tech- 2024 passingouts	Wipro Talent NXT Batch-1 students	14.09.2023 to 17.09.2023	Mr Sairam, Sr Manager, Capgemini
3	Wipro Talent NXT Phase-2 Training Program	IV-I B.Tech- 2024 passingouts	Wipro Talent NXT Batch-2 students	26.09.2023 to 01.10.2023	Mr Sairam, Sr Manager, Capgemini
4	Foreign Language A2 Level Training- Phase1	III-I B.Tech 2025 passingouts	CSE DS, BS, Civil, ECE	04.09.2023 to 09.09.2023	Elite Foreign language training program
5	Advanced C and DS Training Program	II-I B.Tech 2026 Passing out students	ECE,EEE, ME and Civil –	06.10.2023 to 27.11.2023 3 Hrs/Day	BYTS, Coimbatore
6	Aptitude Training Program	III-II B.Tech 2025 Passing out students	ECE(A,B),Civil, ME, CSE DS, CSE BS, II MBA, II MCA	05.02.2024 to 16.02.2024	Talent Shine, Vizag
7	Aptitude Training Program	III-II B.Tech 2025 Passing out students	ECE(C,D), EEE, CSE	19.02.2024 to 02.03.2024	Talent Shine, Vizag
8	Foreign Language	II-II B.Tech 2026	CSE DS, AIML, CS, ECE	18.03.2024 to 28.03.2024	Elite Foreign language

2024-25

S.No	Name of the Training Program	Year & Semester	Branches	Dates of Training	Training Company
1	Game Changer 2	IV B.Tech I Semester	ECE A,B	24.07.2024 to	TOP Freshers, Chennai
2	C++ and Data Structures	III B.Tech I Semester	ECE A,B,C,D	29.07.2024 to 07.08.2024	Byts, Coimbatore
3	Accenture Training Progroom	IV B.Tech I Semester	CSE A,B,ECE A,B ,CSE DS,BS	03.09.2024 to 14.09.2024	TOP Freshers, Chennai
4	Basics of C Programing	II B.Tech II Semester	ECE,EEE,ME and Civil	20.01.2025 to 30.01.2025	Byts Coimbatore

2025-26

S.no	Name of the Training Program	Year & Semester	Branches	Dates of Training	Training Company
1	Advance C and DS	III-I B.Tech-2027 passingouts	All Branches	08.07.205 to 28.07.2025	BYTS, Coimbatore
2	CRT Training Program	IV-I B.Tech,II MBA,IIMCA	All Branches	04.08.2025 to 24.08.2025	Talent Shine,Vizag
3	LeetCode-2 Training Program	II-I B.Tech 2028 Passingouts	All Branches	08.09.2025 to 27.09.2025	BYTS, Coimbatore
4	Infosys Specific Training program	IV B.Tech 2026	All Branches(Gilrs)	24.10.2025 to 02.11.2025	Talent Shine,Vizag

5	Leet Code-1 Training Program	B.Tech 2029 passingouts	ECE,EEE,ME,CIVIL & AIML	15.11.2025 to 24.11.2025	Byts, Coimbatore
---	------------------------------	-------------------------	-------------------------	--------------------------	------------------

Technical talks/Seminars/Workshops/Industrial tours invited from industries

Worksh ops	Guest Lectures	Technical talks	Industrial Visit	Tot al
13	24	05	03	45

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.8/2.8.0.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.8/2.8.0.pdf>)

Technical talks/Seminars/Workshops

S.No	Program	Date	Name and Designation of Resource Person
1	Guest Lecture: Conformal and Flexible Antennas for Future Communication Systems	30-07-2024	Dr. B.T.P. Madhav, Academic and researcher from K L Deemed to be University, Vijayawada.
2	Workshop: Image processing and Machine learning for Classification and hands on training	05-08-2024 to 09-08-2024	1. Dr. K. Rasool Reddy, (Data scientist), NDS Infoserv, Mumbai 2. Dr. R. Vijayarajan, Centre for Healthcare Advancement, Innovation and Research (CHAIR), School of Electronics Engineering, VIT Chennai
3	Guest Lecture: Exposure on solar power generation-Theoretical versus Practical analogy	14-08-2024	Mr. P. Venkateswlu, Electrical Manager, 975 MW Solar O&M, Kandikayapalle (Vill), Panyam.
4	Guest Lecture: Data engineering in the Cloud: Opportunities and Challenges	05-09-2024	Mr. Narendra Kadiri, Lead Data Engineer, Cimpres Pvt Ltd, Bengaluru.
5	Workshop: Advance VLSI Tools and Hands on Training	09-09-2024 to 13-09-2024	1. Ungadi Shailaja, Project Team Lead, Gnanodaya VLSI Technology, Bangalore. 2. Mr. Mukundhan, Project Team Lead, Samsung, Bangalore
6	Guest Lecture: Changing the narrative on suicide with call to action, start conversation	10-09-2024	1. Dr. N Kantha Rao Naik, RBSK & NCD Program Officer, 2. Dr. S. L. Sarath Chandra, MD, Consultant Pshychiatry, 3. Dr. Y. Rufus Ephraim, Phychiatry, Govt. Medical College, Nandyal, 4. Sri. S Venkata Rami Reddy, Phychiatry.
7	Guest Lecture: Biomedical Engineering Programs in India.	17-09-2024	Mr. S. Kumar, a distinguished industry person, Vice-President- Technical & Business Development, TMI Systems, Bengaluru
8	Guest Lecture: GATE JAM Outreach Program	19-09-2024	Mr. Balaram Shaw, (PMRF) pursuing PhD in Interdisciplinary Center for Water Research, IIS Bangalore.
9	Workshop: Nano-Scale VLSI System Design using CADENCE Tool	23-09-2024 to 28-09-2024	1. Dr. N. Ramanjaneyulu, Associate Professor, Dept. of ECE, RGM CET. 2. Dr. M. Chennakesavulu, Associate Professor, Dept. of ECE, RGM CET. 3. Smt. M. Maheswari, Assistant Professor, Dept. of ECE, RGM CET.

10	Guest Lecture: Hands-On Exploration of Deep Learning in Biomedical Image Processing-IEEE	07-12-2024	Dr. Dr. K. Rasool Reddy, Data scientist, NDS Infoserv, Mumbai
11	Guest Lecture: Future Trends in Wireless Communication	09-12-2024	Dr. S. K. Thahebasha, Assistant Professor, SR University, Warangal
12	Guest Lecture: Future Trends in Navigation Systems	13-12-2024	Dr. S. D. Nageena Parveen, Associate professor, SR University, Warangal.
13	Guest Lecture: National Integrity and Personality Development	18-12-2024	Dr. Pasupuleti Sankar, Special Judicial Magistrate-II and Personality Development and Career Counsellor, Rajampeta.
14	Guest Lecture: ASIC Verification-Webinar	28-12-2024	Mr. Mukundhan, Project Team Lead, Samsung, Bangalore.
15	Guest Lecture: Unlocking LinkedIn: Maximize your Online Presence	31-12-2024	Mr. G. Vikram Chandra, Assistant professor, Dept. of CSE (DS), RGM CET.
16	Workshop: Three days Job Training program (JTP) on Basic Electronics Laboratory	03-01-2025 to 06-01-2025	1. Mr. M.V. Raja Sekhar, Asst.Prof, ECE Department. 2. Smt. B. Nazma, Asst.Prof, ECE Department. 3. Smt. Sandhya Rani, Asst.Prof, ECE Department.
17	Workshop: AWS-Cloud foundation workshop	06-01-2025 to 10-01-2025	Dr. K. Subba Reddy, Professor & HOD, Dept. of CSE, RGM CET.
18	Guest Lecture: Start-up Awareness Program for Doctorates of Department of ECE	23-01-2025	Dr. P.V. Gopi Krishna Rao, Professor, Department of ECE.
19	Workshop: Nano Scale Semiconductor Modeling and Characterization	06-01-2025 to 10-01-2025	1. Dr. S. Subba Rao, Asst.Prof., Dept. of ECE, IIITDM, Kurnool 2. Sri. Amit Soni, Director of Cadre Designs, Ghaziabad, UP.
20	Guest Lecture: Cracking the code: Strategies for Success in Gate	01-03-2025	1. Dr. K. Raghunath, Director, Raghunath Learning Centre, Bangalore & Kadapa Local Center, 2. Dr. V. Adinarayana Reddy, Chairman, IEI Kadapa, Local Chapter.
21	Workshop: Digital Design through Verilog	28-02-2025 to 05-03-2025	Ungadi Shailaja, Project Team Lead, Gnanodaya VLSI Technology, Bangalore
22	Guest lecture : Review of DSP Concepts: Introduction, STFT, Filter-Banks, and LPC method.	24-03-2025	Mr. M.A. Vijay Kamalnath, Asst. Prof, Dept. of ECE, RGM CET
23	Guest Lecture: Verilog for ASIC Design: Challenges and Solutions	04-07-2025	B. Naresh Kumar Reddy , M. Tech, A Senior Member of IEEE and a member of ACM.

24	Guest Lecture :Image Processing and Machine Learning for Classification	09-07-2025	Dr. R Vijayarajan Associate Professor, Grade II,VIT Chennai
25	Guest Lecture : Advance VLSI Tools	17-07-2025 to 19-07-2025,	Dr. M. Chennakesavulu, Associate Professor , Department of ECE .RGM CET, Nandyal, AP Dr. N. Ramanjaneyulu, Associate Professor , Department of ECE .RGM CET, Nandyal, AP
26	Industrial Talk : Exploring through Embedded Systems and IoT Applications	21-07-2025	Mr .N. Venkata Reddy Board of Studies Member, Innovation & Startup Expert, and motivational speaker
27	Technical talk : MIMO Antennas for Vehicular and WBAN Applications	12-08-2025	Dr. B. T. P. Madhav Professor and Additional Dean of Research at Koneru Lakshmaiah Education Foundation (KL University)
28	Workshop : AI in Medical Applications	19-08-2025 to 21-08-2025	Mr. Sai Satish Founder and CEO of Indian Servers , Vijayawada, is a renowned Cyber Security Expert, Ethical Hacker, Microsoft Security Researcher, and AI Innovator
29	Technical talk :Cadence for VLSI	19-08-2025	Rakesh B. R A dedicated professional working at Entuple Technologies Pvt. Ltd. , a leading company specializing in engineering solutions, product design, and technology services
30	Guesttalk : Future Wireless Communications	25-11-2025	Sri S. Srikanth Reddy , Training Expert from IIB COMET Foundation .
31	Guesttalk :The Role of Physical Design Engineer in VLSI Design	10-12-2025	Dr K Vasudevareddy Senior Staff manager Bharath semisystems ,Bangalore
32	Workshop : Embedded Systems for Robotics and Automation	23-12-2025 to 27-12- 2025	Mr. Vikas Reddy Rapuru Mr. Cyril Arogya Das
33	Technical talk : Alumni Tech Talk& Interaction program	30-12-2025	Mr. Sunil Kumar Kamisetty
34	Technical talk : Challenges and solutions: Mixed signal semiconductor devices	05-01-2026	Dr. Gopi Krishna Sarameksala, Professor at NIT Calicut
35	Workshop: Advanced Tools for Communication Systems	24-01-2026	Dr. E. Aravindraj, Assistant Professor at Madanapalle Institute of Technology & Science (MITS)
36	Workshop : Next-Era Embedded Systems for Engineering Minds	02-02-2026 to 07-02-2026	Mr. B. Kishore Kumar Founder, Kernel Masters, Hyderabad
37	Workshop : VLSI Engineering: From RTL to GDSII	09-02-2026 to 14-02-2026	Mr. M.Venkatesh VLSI Design Engineer, KVR Global Solutions, Hyderabad
38	Guest talk :Advanced VLSI Design Suites and CMOS Layout	11-02-2026	P. Rajendra (Application Engineer, Entuple Technologies
39	Workshop : Intellectual Property Rights and IP Management for Start-ups	15-12-2025	Dr. I. Thirunavukkarasu, Professor, Department of Instrumentation & Control Engineering, Manipal Institute of Technology, Manipal
40	Guest talks : Role of DFT Engineer in SOC Design & Career Opportunities	21-02-2026	Dr. B. Naresh Kumar Reddy

41	Technical talk: Alumni Tech Talk& Interaction program	30-12-2025	Mr. Sunil Kumar , Principal Engineer in the Solutions Engineering Group at ARM Embedded Technologies Pvt. Ltd
42	Guest talk: Entrepreneurship and Significance	23-02-2026	Dr. R. Hafeez Basha, Ph.D (Japan) Chief Executive Officer (CEO). Ratan Tata Innovation Hub (RTIH), Ananthapuramu Spoke

Industry Visit

S.No	Location of Industry Visit	Dates	No of students
1	Satish Dhawan Space Centre (SHAR), Sriharikota	09-01-2025	90
2	National Atmospheric Research Laboratory (NARL), Gadanki, Tirupathi.	26-09-2025 to 27-09-2025	50
3	Prasar Bharathi – Akashvani (All India Radio), Kadapa	28-01-2026	101

List of Hackathons

Ac. Year	Name of Hackathon	No of Students participated	No of Themes	No of Teams registered	No of Teams attended	No of Teams selected
2023-24	Internal Hackathon -2023	606	15	101	91	36
2024-25	Internal Hackathon -2024	420	18	72	72	51
2025-26	Internal Hackathon -2025	480	18	80	79	25

Link: <https://rgmcet.edu.in/NBA/2025//2.7/2.7.6.pdf> (<https://rgmcet.edu.in/NBA/2025/2.7/2.7.6.pdf>)

List of Global Certifications

Certificate Title	Count
Aws Certified	130
Microsoft	85
Data Camp	40
Total	255

Link: <https://rgmcet.edu.in/NBA/2025/ECE/2.8/2.8.1.4.pdf> (<https://rgmcet.edu.in/NBA/2025/ECE/2.8/2.8.1.4.pdf>)

Conclusion:

A comprehensive Industry–Institute Interaction framework has been successfully implemented by the department. This framework ensures that there is constant engagement with industries through the implementation of structured training programs, expert sessions, and industrial training visits. This has led to the development of students in a comprehensive manner that is in line with Outcome-Based Education (OBE), NBA standards, and NEP-2020 recommendations. As a result, employability, innovation, and industry preparedness have all been improved.

3 OUTCOME-BASED ASSESSMENT (120)

Total Marks 120.00

3.1 Evaluation of Continuous Assessment: Assignments, Unit Tests, Mid-Term, etc. (10)

Total Marks 10.00

For theory subjects, during the semester, there shall be two midterm examinations. The Exam section prepares question bank by collecting the questions from the panel of subject experts from different colleges for all the subjects. The question paper shall be generated one hour before the start of exam by the Principal and Controller of examinations.

Question paper Pattern for R-2023

Each midterm examination shall be evaluated for 30 marks of which 10 marks for objective questions 15 marks for descriptive question.

- Objective questions are compulsory and shall contain for 05 short answer questions with 2 marks each.
- Subjective questions shall contain 3 either or type questions (totally six questions from 1 to 6) of which student has to answer one from each either-or type of questions.
- Each question carries 10 marks.
- The marks obtained in the subjective paper are reduced to 15 marks.
- The objective questions shall be prepared in line with the quality of competitive examinations questions and to meet Cos and POs of the course
- The subjective paper shall contain 3 either or type questions of equal weight age of 10 marks. Any fraction shall be rounded off to the next higher mark.

If the student is absent for the mid semester examination, no re-exam shall be conducted and mid semester marks for that examination shall be considered as zero.

- First midterm examination shall be conducted for I, II units of syllabus with one either or type question from each unit and third either or type question from both the units.
- The second midterm examination shall be conducted for III, IV and V units with one either or type question from each unit.

Final mid semester marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weight age given to the better mid exam and 20% to the other.

For Example:

Marks obtained in first mid: 25

Marks obtained in second mid: 20

Final mid semester Marks: $(25 \times 0.8) + (20 \times 0.2) = 24$

If the student is absent for any one midterm examination, the final mid semester marks shall be arrived at by considering 80% weight age to the marks secured by the student in the appeared examination and zero to the other.

For Example:

Marks obtained in first mid: Absent

Marks obtained in second mid: 25

Final mid semester Marks: $(25 \times 0.8) + (0 \times 0.2) = 20$

College Code: 09

R-23

Rajeev Gandhi Memorial College of Engineering & Technology
(Autonomous)
23-10-2024

II B.tech I-Semester (R23) Mid-I Examinations (2023 Batch)
Subject Name: Electronic Devices and circuits
Branch(s): E.C.E

Time: 2 Hours

Max Marks: 25

Note: 1. Answer FIRST question compulsorily. (5 x 2.0 = 10 Marks)

2. Answer Any THREE questions (Any one from 2 or 3, 4 or 5, 6 or 7). (3 x 10.0 = 30 Marks)

Q.No	M	CO	BL
Q.1 a) Define the ripple factor and Peak inverse voltage of Rectifier	2M	CO3	BL1
b) Define the depletion region and explain how p-n junction is formed	2M	CO1	BL1
c) List the different methods of BJT Biasing	2M	CO3	BL2
d) What do you mean by Early effect	2M	CO1	BL1
e) Discuss the effect of temperature on reverse saturation current of a diode	2M	CO2	BL3

Unit-I			
Q.2 a) Draw the neat diagram of positive clipper and negative clipper circuits and explain its operation	5M	CO1	BL2
b) When a reverse bias is applied to a germanium PN junction diode, reverse Saturation current at room temperature is $0.3\mu\text{A}$. Determine the current flowing in the diode when 0.15V forward bias is applied at room temperature.	5M	CO2	BL3
OR			
Q.3 a) Draw the equivalent circuit of UJT and explain its operation with the help of V-I characteristics	5M	CO1	BL2
b) A Half wave rectifier a resistive load of 1000Ω rectifies an alternating voltage of 325V peak value and the diode has a forward resistance of 100Ω calculate i) Efficiency ii) peak and average value of current iii) RMS value of current.	5M	CO3	BL3

Unit-II			
Q.4 a) Explain the operation of a Transistor in CE configuration using its i/p and o/p Characteristics	5M	CO1	BL2
b) In a Fixed bias method a si transistor with $\beta=100$ is used $V_{CC}=6\text{V}$, $R_C=3\text{K}\Omega$, $R_B=530\text{K}\Omega$. Draw the dc load line, Determine the operating point and stability factor.	5M	CO3	BL3
OR			
Q.5 a) A transistor has $I_B=105\mu\text{A}$ and $I_C=2.05\text{mA}$. Find i) β of the transistor ii) α of the transistor iii) Emitter current I_E iv) If I_B changes by $27\mu\text{A}$ and I_C changes by 0.65mA , find the new value of β .	5M	CO2	BL3
b) Derive the stability factor S for Collector to Base bias circuit with emitter Resistance	5M	CO3	BL1

Page 1 of 2

Unit-I & Unit-II			
Q.6 a) Derive the expression of the space charge or transition capacitance of pn diode under reverse bias	5M	CO3	BL2
b) What is meant by Q-point? What are the factors which are effecting the Q point	5M	CO3	BL1
OR			
Q.7 a) Draw and explain the principle operation of Bridge Full wave rectifier with neat diagrams	5M	CO3	BL2
b) Explain how the transistor act as a switch?	5M	CO1	BL1

Question paper Pattern for R-2020

Each midterm examination shall be evaluated for 30 marks of which 5 marks for objective questions 15 marks for descriptive question.

- Objective questions are compulsory and shall contain for 05 short answer questions with 2 marks each.
- Subjective questions shall contain 5 questions of which student have to answer any three questions.
- Each question carries 5 marks.
- The objective questions shall be prepared in line with the quality of competitive examinations questions and to meet Cos and POs of the course

If the student is absent for the mid semester examination, no re-exam shall be conducted and mid semester marks for that examination shall be considered as zero.

- First midterm examination shall be conducted for I, II and III units of syllabus
- The second midterm examination shall be conducted for IV, V and VI units of syllabus

Final mid semester marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 75% weight age given to the better mid exam and 25% to the other.

R20

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
24th April 2024
H B.Tech. II Sem. (R20) Mid-II Examinations (2022 Batch)
ELECTROMAGNETIC FIELDS AND TRANSMISSION LINES
ECE

Time: 2 Hrs **Total Marks: 20**

Note 1: Answer FIRST question compulsorily. (5 x 1 = 5 Marks)
2: Answer Any THREE from 2 to 5 questions. (3 x 5 = 15 Marks)

1a Write the Maxwell's equations in word form. — CO₃
b Define uniform plane wave in phasor form. — CO₄
c Define velocity of propagation. — CO₄
d When will a transmission line deliver maximum power to a load. — CO₅
e Define displacement Current density. — CO₄

2 a) Derive the following parameters (8) — CO₅
i) Voltage reflection co-efficient (at the load)
ii) Standing wave ratio
b) Write short note about UHF lines. (6) — CO₅

3 a) Explain about inconsistency of Ampere's circuit law? (7) — CO₃
b) Explain about boundary conditions for Electric fields at Dielectric-Dielectric interface. (7) — CO₃

4 a) Derive 'α' and 'β' for a transmission line. (10) — CO₅
b) A lossy cable has R=2.25Ω/m, L=1μH/m, C=1pF/m and G=0 operates at f=0.5GHz. Find attenuation constant of line. (4) — CO₅

5 a) Describe the propagation of wave in good dielectrics. — CO₄
b) Determine α, β, γ, λ, η for damp soil at a frequency of 1.5MHz given that ε_r=12, μ_r=1 and σ=20m mhos/m. — CO₄

- xxx -

Assignments:

Assignments shall be in the form of

- Problems
- Mini projects
- Design problems
- Slip tests
- Quizzes etc., depending on the course content.

It should be continuous assessment throughout the semester and the average marks shall be considered.

- In R-2020 regulation each assignment shall evaluated for 10 marks
- In R-2023 regulation each assignment evaluated for 05 marks

The questions that can be given in assignment should satisfy the Course and Program Outcomes.

Assignment Project:

- To increase the critical thinking and to be updated to the latest technologies Assignment projects are implemented from academic year 2025-26 for all the students.
- A team of two students are formed as a group and projects are allotted in the domain of VLSI, Embedded system, IoT, Communication etc.
- These assignments are monitor and evaluated by the guides on weekly basis.

Sample questions for II Year Students

II B.Tech. II-Semester Assignment Questions

Simulate and experimentally verify the following Assignment Projects.

Simulate project using any open-source EDA tool like LT Spice.

At the end of the project submit project kit with soldering (Hardware kit) to the department.

1. Design a CE BJT amplifier with voltage gain ≥ 50 , bandwidth 100 Hz–20 kHz, and output swing ± 5 V.
2. Design a positive series clipper that limits the output voltage to +3 V for a 10 V_{pp} sinusoidal input at 1 kHz.
3. Design an emitter follower (CC amplifier) with voltage gain ≈ 1 , output impedance $< 100 \Omega$, and load $\geq 1 \text{ k}\Omega$.
4. Analyze the effect of RC time constant on RC low pass circuit performance for exponential wave input. (Note: Generate exponential wave, do not use function generator)
5. Implement a negative shunt clipper that clips all voltages below -2 V for an input frequency range of 500 Hz–5 kHz.
6. Implement a CB amplifier with current gain ≈ 1 , voltage gain ≥ 30 , and bandwidth $> 200 \text{ kHz}$.

III B.Tech. II-Semester

PCB Design Assignment Questions

For each problem, students must:

1. Design the circuit with calculations
2. Draw professional schematic (EDA tool)
3. Create PCB layout (single/double layer as specified)
4. Generate Gerber, drill, and BOM files
5. Fabricate the PCB (prototype) and test.
6. Submit design files, photos, and test results

Questions:

1. Design, layout, and fabricate a 5 V regulated power supply using linear regulator.
2. Design and fabricate a 12 V to 3.3 V DC-DC converter for embedded systems.
3. Design a LED driver circuit with current regulation and fabricate PCB.
4. Design a Zener-based voltage regulator and fabricate PCB.
5. Design and fabricate a bridge rectifier with filter for 1 A load.
6. Design a solar battery charging controller and fabricate PCB.

7. Design and fabricate a relay driver module with protection circuitry.
8. Design a transistor amplifier (CE), layout PCB and test gain.
9. Design a two-stage audio amplifier and fabricate PCB.
10. Design a low-noise op-amp amplifier for sensor signal conditioning.
11. Design and fabricate a precision voltage reference circuit.
12. Design a current mirror circuit, layout PCB and verify output.
13. Design and fabricate a constant current source.
14. Design a thermistor-based temperature sensing circuit and PCB.
15. Design and fabricate an LDR-based light sensing circuit.
16. Design an RC low-pass filter, fabricate PCB and verify cutoff frequency.
17. Design an active band-pass filter and fabricate PCB.

3.2 Evaluation of the Semester End Exam (SEE) Question Paper (10)

Total Marks 10.00

End Examinations are to validate the student performance to attain course outcomes and hence the program outcomes. The students' performance is tested in End semester exam question paper for 70 marks. The questions are set in accordance with the Blooms taxonomy. In addition examinations ensure that, only those students who have attained the programme outcomes are actually awarded the programme certificate.

A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester and end examination marks taken together for the theory, practical, design, drawing subject or project etc. In case of a mandatory course, he/she should secure 40% of the total marks.

The Exam section prepares question bank by collecting the questions from the panel of subject experts from different colleges for all the subjects. The question paper shall be generated one hour before the start of exam by the Principal and Controller of examinations.

End Examination Evaluation: R-2020

End examination of theory subjects shall have the following pattern:

- There shall be 7 questions.
- Question I shall contain 07 compulsory short answer questions for a total of 14 marks such that each question carries 2 marks.
- There shall be 6 answer questions and student has to answer any of 4 from 6 questions. Each question may contain sub question of 2 to 3. Each question carries 7 marks.

Code: A9410204R0524

RGMC COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
07th May 2024
II B.Tech. II Sem. (R20) End Examinations (Regular)
ELECTROMAGNETIC FIELDS AND TRANSMISSION LINES
ECE

Time: 3 Hrs **Total Marks: 70**

Note 1: Answer Question No. 1 (Compulsory) and 4 from the remaining
2: All Questions Carry Equal Marks

1a) Two points A (2, 2, 1) and B (3, -4, 2) are given Cartesian system. Obtain a unit vector of distance vector from A to B. — CO1

b) Define Surface charge and its charge density. — CO2

c) Define Ampere's circuital law. — CO2

d) What is a wave? — CO3

e) State Poynting theorem. — CO4

f) Define propagation constant. — CO5

g) What is a dot product? Explain its significance and applications. — CO1

2 a) What is meant by Polarization of wave? When is the wave linearly polarized and circularly polarized. — CO4

b) The material Parameters of a Certain food item are given by $\sigma=2.178/m$, $\epsilon_r=47\epsilon_0$, $\mu=\mu_0$ at the operating frequency $f=2.45GHz$ of microwave oven. Find 'α', 'β', 'γ' and 'η'. — CO4

3 a) Describe the different types of charge distributions and derive their charge densities. — CO2

b) A uniform line charge having $\rho_l=25$ nC/m lies on the line $z=4$ in free space. Find the \vec{E} in cartesian co-ordinates at the origin. — CO2

4 a) Derive the magnetic field intensity due to straight filamentary conductor. — CO2 (7)

b) State and prove Ampere's circuit law. — CO2 (7)

5 a) Explain cylindrical co-ordinate system and differential elements in Cylindrical Co-ordinate system. — CO1 (10)

b) A point is located at P(-2,4,-1). Express it in cylindrical co-ordinate system and spherical co-ordinate system. — CO1 (4)

6 a) Explain the following. — CO3 (7)

(i) Motional e.m.f. (ii) Transformer e.m.f.

b) Loop is interacted with magnetic field whose flux density $\vec{B}=0.5\hat{a}_z$ wb/m², $R=20\Omega$ and length $L=10$ cm. The conductor is moving with a constant velocity of $8\hat{a}_x$ m/sec. Find i) Induced e.m.f in the conductor ii) Current through the resistance iii) Force acting on the conductor and iv) Power dissipated by the resistor. — CO3 (7)

7 a) Derive the transmission line equation in terms of Voltage. — CO5 (6)

b) Explain about — CO5 (8)

i) Lossless line ($R=0$; $G=0$)

ii) Distortion less line

End Examination Evaluation: R-2023

End examination of theory subjects shall have the following pattern:

- There shall be 6 questions and all questions are compulsory.
- Question I shall contain 10 compulsory short answer questions for a total of 20 marks such that each question carries 2 marks.
- There shall be 2 short answer questions from each unit.
- In each of the questions from 2 to 6, there shall be either/or type questions of 10 marks each. Student shall answer any one of them.
- The questions from 2 to 6 shall be set by covering one unit of the syllabus for each question.

Code: A0409234R0425

RGMC COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
19th April 2025
II B.Tech. II Sem. (R23) End Examinations (Regular)
EM WAVES AND TRANSMISSION LINES
ECE

Time: 3 Hrs

Total Marks: 70

Note 1: Answer all in FIRST question [20 Marks]

2: Answer any ONE question from EACH Unit [50 Marks]

SECTION-I

- 1a Write Laplace's equation. $-CO_2$
- b Write vector force on Q_2 due to Q_1 using Coulomb's law if their vector distance is $\mathbf{R}_{12} = R_{12}\mathbf{a}_{12}$. CO_1
- c What are Magnetic Vector Potentials? CO_3
- d What are the applications of Ampere's circuit law? CO_2
- e Differentiate reflection and refraction of a uniform plane wave. CO_3
- f What is the angle of orientation of \mathbf{E} & \mathbf{H} in an EM wave? Draw an EM wave. CO_2
- g What are the different types of distortions in a transmission line? $-CO_4$
- h Write the formula for propagation constant (γ) in transmission lines. $-CO_4$
- i Calculate voltage reflection coefficient if a line with characteristic impedance of 500 Ω is terminated in a load of 1000 Ω . $-CO_4$
- j What is VSWR of a transmission line with a reflection coefficient of 0.1? $-CO_4$

SECTION-II

UNIT-I

- 2 a) Derive the energy stored in a volume of space due to an electrostatic field. (5) $-CO_2$
- b) A point charge 10 μC is placed at the origin. Compute the work done in moving a -2 μC charge from (1, 0, 0) m to (0, 1, 0) m. $-CO_2$ (5)

OR

- 3 a) Calculate the electric field at a height of 'h' meters due to a charged circular ring with charge density ρ_l C/m lying in $z=0$ plane. $-CO_1$ (5)
- b) Obtain with neat sketches the expression for electric flux ψ , if electric flux density \mathbf{D} is $-CO_1$ (5)
- i) normal to a surface
- ii) at an angle θ to a surface

UNIT-II

- 4 a) Derive the expression for magnetic field intensity in a toroid with N turns. (5) $-CO_2$
- b) Compute the inductance of a solenoid with 1000 turns, length $l = 1$ m, radius $r = 2$ cm, and core permeability $\mu_r = 100$. $-CO_2$ (5)

OR

- 5 a) Derive the Maxwell's equations for time-varying magnetic fields. CO_2 (5)
- b) A parallel plate capacitor with a plate area of 10cm^2 and plate separation of 10mm has a voltage $30\sin 10^4 t$ volts applied to its plates. Estimate the displacement current in a medium with $\epsilon_r = 5$. CO_2 (5)

Page: 1 of 2

UNIT-III Code: A6409234R0425

6 a) Derive the wave equation for uniform plane waves in free space. $C03$ (5)
 b) A 220 MHz uniform plane wave propagates through water for which $\sigma=0$, $\mu_r=4$, $\epsilon_r=32$. Find $C03$ (5)
 i) Phase Constant
 ii) Attenuation Constant
 iii) Intrinsic Impedance.

OR

7 a) Calculate the intrinsic impedance in a lossless dielectrics. $C03$ (5)
 b) A lossy dielectric has $\epsilon_r=5.4$, $\mu_r=13$ and $\sigma=10^{-4}$ mho/m at a frequency of 35MHz. Find α, β, γ , phase velocity. $C03$ (5)

UNIT-IV

8 a) Prove that a line will be distortionless if $CR=LG$. $C04$ (5)
 b) If a signal of 30MHz is transmitted through a coaxial cable which has $C=30$ pF/m, $L=500$ nH/m. Calculate $C05$ (5)
 i) Find the time delay for a cable of 1m length.
 ii) Propagation velocity
 iii) L and C values for a cable of 10m length.

OR

9 a) What is phase velocity? Express the phase velocity on a line in terms of C and Z_0 ? $C04$ (5)
 b) A lossless line has a Z_0 of 70 Ω and phase constant of 6rad/m at 160MHz. Calculate the inductance per meter and Capacitance per meter of the line. (5)

UNIT-V $C05$

10 a) Explain the behavior of input impedance with varying frequency in a transmission line. $C04$ (5)
 b) A lossless line of $Z_0=400 \Omega$ is terminated in a pure resistance of 600 Ω . Find the value VSWR. $C04$ (5)

OR

11 a) Derive the input impedance of a transmission line in terms of load impedance and line length. $C04$ (5)
 b) Find the reflection coefficient, VSWR of a line with $Z_0=30\Omega$, $Z_L=50\Omega$. $C04$ (5)

- xxx -

3.3 Evaluation of Laboratory Work and Workshop (Continuous and SEE) (10)

Total Marks 10.00

Evaluation of Laboratory Work

The HoD in consultation with senior faculty members prepares database of subject experts from other reputed engineering institutes.

The department prepares a panel of FIVE lab subject experts for each lab.

These Panel members shall be sent to the exam branch. The controller of exams and Chief superintendent of Exams (Principal) select the TWO lab subject experts. This preference list shall be send to Department.

The HoD shall contact the lab subject experts based on preference list and finalizes the faculty member.

The Lab examination shall be conducted and evaluated by Internal Examiner and External Examiner

Evaluation of Laboratory Work**R-2023 Regulations:**

- For practical courses, there shall be a continuous evaluation during the semester for 30 sessional marks and end examination shall be for 70 marks.
- Day-to-day work in the laboratory shall be evaluated for 15 marks by the concerned laboratory teacher based on the record/viva and 15 marks for the internal test.
- The end examination shall be evaluated for 70 marks, conducted by the concerned laboratory teacher and a senior expert in the subject from the same department.
 - Procedure: 20 marks
 - Experimental work & Results: 30 marks
 - Viva voce: 20 marks.

Rajeev Gandhi Memorial College of Engineering & Technology:: Nandyal								
Autonomous								
1	Name of the Lab		: Analog and Digital IC Applications Lab		External Examiner			
2	Year & Sem		: III B.Tech, I-Sem (ECE-D)		Internal Examiner			
3	Date		: Skilled					
4	Regulations		: RGM.R.2023					
5	S.No	Regd.No	Experiment Name	Circuit Diagram & Procedure	Experimental Execution	Result	Viva-Voce	Total
6				20 M	20 M	10 M	20 M	70 M
7	1							
8	2							
9	3							
10								

In a practical subject consisting of two parts (Eg: Basic Electrical & Electronics Engineering Lab), the end examination shall be conducted for 70 marks as a single laboratory in 3 hours. Mid semester examination shall be evaluated as above for 30 marks in each part and final mid semester marks shall be arrived by considering the average of marks obtained in two parts.

R-2020 Regulations:

- For practical courses, there shall be a continuous evaluation during the semester for 25 sessional marks and end examination shall be for 50 marks.
- The end examination shall be evaluated for 50 marks, conducted by the concerned laboratory teacher and a senior expert in the subject from the same department.
- Day-to-day work in the laboratory shall be evaluated for 25 marks by the concerned laboratory teacher based on as follows:
 - Day-to-day performance in lab experiments and record for 15 marks
 - Internal lab examination at the end of semester for 5 marks
 - 05 marks will be allotted for any creativity/ innovation/ additional learning in lab beyond prescribed set of experiments etc.

Rajeev Gandhi Memorial College of Engineering & Technology:: Nandyal										
Autonomous										
1	Name of the Lab		: Analog Communications Lab		External Examiner					
2	Year & Sem		: III B.Tech, I-Semester, ECE (D)		Internal Examiner					
3	Date		: Skilled							
4	Regulations		: RGM.R.2020							
5	S.No	Regd.No	Experiment Name	Circuit Diagram/Block Diagram	Program/Procedure	Connections/Execution	Observations & Graph	Result	Viva-Voce	Total
6				10 M	5 M	10 M	10 M	5 M	10 M	50 M
7	1									
8	2									
9	3									
10										

Evaluation of Workshop:

Workshop: Mandatory work shop for all students has been introduced from this academic year i.e. 2025-2026. This work shop has to be conducted for third year students in second semester. 20 marks are allotted for workshop. At the end of workshop the concern Resources person shall conduct online exam for 50 marks. A student has to get minimum of 20 marks to get the certificate.

The workshops shall be conducted in latest fields like Image Processing, Embedded Systems, VLSI etc.

The Department of Electronics and Communication Engineering (ECE), RGM CET, organized a one week workshop on **"Next-Era Embedded Systems for Engineering Minds"** from 2nd February 2026 to 7th February 2026. The sessions were held in Mechanical Gallery enabling wide participation from students.

The workshop commenced each day at **9:00 AM** and continued till **4:20 PM**, combining theory sessions with extensive hands-on training. The program was designed to provide participants with an in-depth understanding of theoretical concepts and practical implementation. It emphasized real-time system design, hardware-software integration, debugging methodologies, and emerging trends such as IoT-enabled embedded platforms.

RGM
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuramu
Accredited by NBA (5 Times), Accredited by NAAC with A+ Grade (Cycle-3),
Nandyal (Dist), A.P., India

DEPARTMENT OF ECE

ONE WEEK WORKSHOP
ON
**NEXT-ERA EMBEDDED SYSTEMS
FOR ENGINEERING MINDS**

Trainer : Mr. B. Kishore Kumar
Founder of Kernel Masters, Hyderabad

2 Feb 2026 - 7 Feb 2026





The Department of Electronics and Communication Engineering (ECE), RGM CET, organized a one week workshop on “VLSI Engineering: From RTL to GDSII” from 9th February 2026 to 14th February 2026. The sessions were held in Mechanical Gallery enabling wide participation from students.

The workshop commenced each day at 9:00 AM and continued till 4:20 PM, combining theory sessions with extensive hands-on training. The program was designed to provide participants with an in-depth understanding of theoretical concepts and practical implementation. the workshop provided a platform for students to explore the intricate process of creating Integrated Circuits (ICs), starting from high-level hardware description languages to the final physical layout ready for fabrication.



RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuramu
Accredited by NBA (6 Times), Accredited by NAAC with A+ Grade (Cycle-3),
Nandyal (Dist), A.P., India

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

KVR GLOBAL SOLUTIONS ONE WEEK WORKSHOP ON
**VLSI Engineering :
From RTL to GDSII**

Trainer : Mupparthi Venkatesh
VLSI Design Engineer
KVR GLOBAL Solutions, Hyderabad

9 FEB 2026 - 14 FEB 2026

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
Approved by AICTE, New Delhi; Affiliated to JNTUA, Ananthapuramu
Accredited by NBA (6 Times), Accredited by NAAC with A+ Grade (Cycle-3),
Nandyal (Dist), A.P., India

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ONE WEEK WORKSHOP
on
**Image Analysis:
From Pixels to Intelligence**

09-Mar-2026 to
14-Mar-2026

Placement Gallery

Speaker : Sri.SAI SATISH
Founder & CEO of Indian Servers, AMER President

Dr.M.Santhiramudu
HONORABLE CHAIRMAN

Er.M.Siva Ram
MANAGING DIRECTOR

Dr. J. Saroja Prasad (Chairman) Dr. B. Bala Venky Dr. D. V. Ashok Kumar Dr. T. Jayaram Prasad
HOD of ECE Dean-Student Affairs Director

3.4 Evaluation of Industrial Training/ Internship (Continuous and SEE) (10)

Total Marks 10.00

- Two summer internships either onsite or virtual each with a minimum of 08 weeks' duration, done at the end of second and third years, respectively are mandatory.
- It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Power projects, software MNCs or any industries in the areas of concerned specialization of the Undergraduate program.
- One of the two summer internships at the end of second year (Community Service Project) shall be society oriented and shall be completed in collaboration with government organizations/NGOs & others.
- The other internship at the end of third year is Industry Internship and shall be completed in collaboration with Industries.
- The student shall register for the internship as per course structure after commencement of academic year.
- The guidelines issued by the APSCHE / University shall be followed for carrying out and evaluation of Community Service Project and Industry Internship.

Evaluation of the summer internship:

- Evaluation of the summer internships shall be through the departmental committee.
- A student will be required to submit a summer internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor of the internship and a senior faculty member of the department.
- A certificate of successful completion from industry shall be included in the report.
- The report and the oral presentation shall carry 50% weight age each.
- It shall be evaluated for 50 external marks.
- There shall be no internal marks for Summer Internship.
- A student shall secure minimum 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the institution.

Full Semester Internship and Project work:

- In the final semester, the student should mandatorily register and undergo internship (onsite/virtual) and in parallel he/she should work on a project with well-defined objectives.
- At the end of the semester the candidate shall submit an internship completion certificate and a project report.
- A student shall also be permitted to submit project report on the work carried out during the internship.

Evaluation of Internship

Activity Log Week wise	: 30 Marks
Internship Report	: 10 Marks
Internship Evaluation	: 60 Marks
Total	: 100 Marks

Rajeev Gandhi Memorial College of Engineering and Technology (Autonomous)								
Department of ECE								
Long Term Internship Evaluation Sheet								
B No	Regd No	Name of the Student	Name of the organization	Title of the Internship/Project	Activity Log Week wise (30 M)	Internship Report (10 M)	Internship Evaluation (60 M)	Total (100 M)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

3.5 Evaluation of Projects (20)

Total Marks 20.00

- The students are encouraged to select the publications from IEEE transaction.
- Project topic should be approved by Internal Department Committee (IDC).
- Out of total 150 marks for the project work, 50 marks shall be for Internal Evaluation and 100 marks for the End Semester Examination.
- The evaluation of project work shall be conducted at the end of the IV year II semester.

Internal Project Evaluation:

The Project review committee conducts two Internal Project Reviews. The Project review committee consists of Project Coordinator and Three to four senior faculty members from different subject domains.

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)											
DEPARTMENT OF ECE											
PROJECT INTERNAL EVALUATION											
Batch No.	Regd. No.	Review - 1			Review - 2			Valuation by the Guide		Total Internal Marks	
		Identification of Domain, Problem definition, and Objectives	Literature Survey	Methodology proposed	Identify and acquire information needed for design	Originality of the project Idea	Methodology and design process	Outcomes and deliverables	Self-motivation to learn new technologies		Technical awareness of the project and working
		5 Marks	3 Marks	2 Marks	9 Marks	5 Marks	3 Marks	3 Marks	10 Marks	10 Marks	50 Marks
1											
2											
3											
4											
5											
6											

Review-1:

- Identification of Domain, Problem definition, and Objectives : 5 Marks
- Literature Survey : 2 Marks
- Methodology Proposed : 2 Marks

Review-2:

- Identify and acquire information needed for design : 9 Marks
- Originality of the project Idea : 5 Marks
- Methodology and design process : 3 Marks
- Outcomes and deliverables : 3 Marks

Project Guide Evaluation:

- Self-motivation to learn new technologies : 10 Marks
- Technical awareness of the project and working : 10 Marks

Total Marks : 50 Marks

External Project Evaluation:

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)														
DEPARTMENT OF ECE														
PROJECT EXTERNAL EVALUATION														
Batch No	Regd.No.	External Project Evaluation								Project Report Evaluation				Total External Marks
		Literature Survey	Problem statement	Contribution to society, concern for Environment	Communication	The Modern tool	Team work	Design(s)	Lifelong Learning	Quality of report with respect to format specified by the ECE	Content of report	Analysis of results and conclusion	Language usage	
		10 Marks	10 Marks	10 Marks	10 Marks	10 Marks	10 Marks	10 Marks	10 Marks	5 Marks	5 Marks	5 Marks	5 Marks	100 Marks
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

External Project Evaluation:

- Literature Survey : 10 Marks
- Problem statement : 10 Marks
- Contribution to society, concern for Environment : 10 Marks
- Communication : 10 Marks
- The usage of Modern Tool : 10 Marks
- Team work : 10 Marks
- Design(s) : 10 Marks
- Lifelong Learning : 10 Marks

Project Report Evaluation:

- Quality of report with respect to format specified by the ECE Department : 05 Marks
- Content of report : 05 Marks
- Analysis of results and conclusion : 05 Marks
- Language usage : 05 Marks

Total Marks : 100 Marks

Evaluation of Community Service Project:

- Evaluation of the Community service project shall be through the departmental committee. Department forms a Committees consisting of Professor, Associate Professor and Assistant Professor.
- A student will be required to submit a Community service project report to the department and appear for an oral presentation before the departmental committee.

- It shall be evaluated for 50 marks.
 - Project Log : 10 Marks
 - Project Implementation : 15 Marks
 - Project Report : 10 Marks
 - Content related to community needs : 5 Marks
 - Presentation skills : 5 Marks
 - PPTs : 5 Marks
- Total Marks : 50 Marks**

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTNOMOUS)									
DEPARTMENT OF ECE									
MARKS EVALUATION FOR COMMUNITY SERVICE PROJECT									
S.No	Regd.No	Title	Project Log (10 M)	Project Implementation (15 M)	Project Report (10 M)	Presentation (15 M)			Total (50)
						Content related to community needs (5 M)	Presentation skills (5M)	PPTs (5M)	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

3.6 Evidence of Addressing Sustainable Development Goals (SDG) (10)

Total Marks 10.00

The SDGs are 17 global goals adopted by the United Nations to achieve sustainable development by 2030.

Table 3.6.1: SDGs and Goal Name

SDG No.	Goal Name
SDG 1	No Poverty
SDG 2	Zero Hunger
SDG 3	Good Health and Well-Being
SDG 4	Quality Education
SDG 5	Gender Equality
SDG 6	Clean Water and Sanitation
SDG 7	Affordable and Clean Energy
SDG 8	Decent Work and Economic Growth
SDG 9	Industry, Innovation and Infrastructure
SDG 10	Reduced Inequalities
SDG 11	Sustainable Cities and Communities
SDG 12	Responsible Consumption and Production
SDG 13	Climate Action
SDG 14	Life Below Water
SDG 15	Life on Land
SDG 16	Peace, Justice and Strong Institutions
SDG 17	Partnerships for the Goals

The Department of Electronics and Communication Engineering (ECE) actively integrates the United Nations Sustainable Development Goals (SDGs) into its curriculum, teaching-learning processes, projects, research, and outreach activities, thereby ensuring alignment with NBA Criterion 3 (Course Outcomes and Program Outcomes).

Curriculum Integration:

SDG concepts are embedded in relevant courses such as *Renewable Energy Systems, IoT, Embedded Systems, VLSI Design, Communication Systems, and Signal Processing*. These courses address sustainability aspects including energy efficiency, environmental monitoring, smart infrastructure, healthcare technology, and green communication systems.

Student Projects & Mini Projects:

Students undertake projects aligned with SDGs, such as:

- Smart irrigation systems (SDG 2 – Zero Hunger, SDG 6 – Clean Water and Sanitation)
- Air and water quality monitoring using IoT (SDG 3 – Good Health and Well-being, SDG 6 – Clean Water and Sanitation)
- Solar-powered electronic systems (SDG 7 – Affordable and Clean Energy)
- Smart waste management and smart city solutions (SDG 11 – Sustainable Cities and Communities)

Research & Publications:

Faculty and students publish research addressing energy-efficient circuits, low-power VLSI design, healthcare electronics, wireless sensor networks, and smart systems, contributing directly to SDG 3, SDG 7, SDG 9 (Industry, Innovation and Infrastructure), and SDG 11.

Internships, Industrial Visits & Guest Lectures:

Industry interactions and expert talks focus on sustainable technologies; renewable energy systems, green electronics, and digital transformation, helping students understand real-world applications of SDGs.

Outreach Activities & Social Responsibility Programs:

The department conducts awareness programs, rural technology interventions, energy conservation drives, and community development projects, contributing to SDG 4 (Quality Education), SDG 7, SDG 11, and SDG 13 (Climate Action).

Mapping of COs & POs with SDGs:

Course Outcomes (COs) and Program Outcomes (POs) are mapped with relevant SDGs, ensuring systematic achievement and measurable attainment of sustainability objectives.

The department integrates Sustainable Development Goals (SDGs) through curriculum, student projects, research, industry interactions, and outreach activities. Several courses and projects focus on renewable energy, smart systems, healthcare electronics, environmental monitoring, and energy-efficient design, thereby contributing significantly to SDG 2, SDG 3, SDG 9, SDG 11, and SDG 14.

Sample Student Project Titles Aligned with SDGs**SDG1 – No Poverty**

- Sustainable Farming Awareness
- Agriculture-Farmer awareness on Sustainable Crop Cultivation
- Animal Husbandry
- Awareness on Organic farming and Soil Protection
- Spreading Awareness on the Importance of Education

SDG2 – Zero Hunger

- Hydroponic automation with IoT and real time data logging for optimized crop growth
- IoT-Enabled Real-Time Monitoring of pH, TDS, and NPK in Hydroponics.
- Community Service Project on “**Awareness on Nutrition**”
- Community Service Project on “**Plantation**”
- Community Service Project on “**Crop Rotation**”
- Community Service Project on “**Agriculture**”
- Community Service Project on “**Organic farming**”
- Community Service Project on “**Commercial Organic Farming**”
- Community Service Project on “**Awareness on organic farming**”
- Community Service Project on “**Community Tree Plantation**”
- Community Service Project on “**Plant a tree Growth a Dream**”

SDG 3 – Good Health & Well-being

- Dual stage brain tumor classification using optimized MRI image processing
- Medical image classification convolutional neural network
- Embedded based solar powered smart stick for sight impaired individuals
- MRI brain tumor segmentation with corrective diffusion approaches
- Implementation of robust optimized adaptive algorithms for ECG noise reduction
- Advanced skin disease detection using CNN and transfer learning
- Generation of automatic radiology report with contrast based image enhancement
- Enhancing and adapting in the clinic: Source free unsupervised domain adaptation for medical image enhancement

- Disease Classification using Convolution Neural Networks with The Help Of public available data sets
- Automatic Detection and Identification of Liver Tumors Using Deep Learning- Based Multi-Stage Annotation
- FS2G: A Privacy-Preserving Spatio-Temporal Graph Framework for Brain Disease Prediction using fMRI

SDG 4 – Quality Education

- Community Service Project on “Primary school education”
- Community Service Project on “Spreading Awareness on the Importance of Education”
- Community Service Project on “Educational Survey”
- Community Service Project on “Awareness on Higher Education”
- Community Service Project on “Educational awareness in rural areas

Table 3.6.3: Mapping of SDGs and POs

SDG \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	
SDG 1 – No Poverty	–	–	2.00	–	–	3.00	–	2.00	1.00	1.00	2.00	
SDG 2 – Zero Hunger	–	–	3.00	2.00	–	2.00	1.00	–	1.00	–	–	
SDG 3 – Good Health & Well-Being	–	2.00	3.00	3.00	2.00	2.00	1.00	–	1.00	–	–	
SDG 4 – Quality Education	–	–	–	–	–	2.00	–	1.00	3.00	3.00	–	
SDG 5 – Gender Equality	–	–	–	–	–	3.00	–	3.00	2.00	2.00	–	
SDG 6 – Clean Water & Sanitation	–	2.00	3.00	2.00	–	2.00	3.00	–	–	–	–	
SDG 7 – Affordable & Clean Energy	–	2.00	3.00	2.00	2.00	–	3.00	–	–	–	–	
SDG 8 – Decent Work & Economic Growth	–	–	2.00	–	–	2.00	–	1.00	3.00	2.00	3.00	
SDG 9 – Industry, Innovation & Infrastructure	2.00	2.00	3.00	2.00	3.00	–	–	–	1.00	–	2.00	
SDG 10 – Reduced Inequalities	–	–	–	–	–	3.00	–	3.00	2.00	2.00	–	
SDG 11 – Sustainable Cities & Communities	–	2.00	3.00	–	2.00	2.00	3.00	–	–	–	–	
SDG 12 – Responsible Consumption & Production	–	–	2.00	–	–	–	3.00	2.00	–	–	–	
SDG 13 – Climate Action	–	–	–	–	–	–	3.00	–	–	–	–	
SDG 14 – Life Below Water	–	–	–	–	–	2.00	3.00	–	–	–	–	
SDG 15 – Life on Land	–	–	–	–	–	2.00	3.00	–	–	–	–	
SDG 16 – Peace, Justice & Strong Institutions	–	–	–	–	–	–	–	3.00	2.00	2.00	–	
SDG 17 – Partnerships for the Goals	–	–	–	–	–	–	–	–	3.00	3.00	2.00	
Target Values	2.00	2.00	2.67	2.20	2.25	2.27	2.56	2.14	1.90	2.14	2.25	
Attainment Values	2.50	2.46	2.48	2.46	2.51	2.27	2.16	2.50	2.60	2.61	2.58	

SDG 6 – Clean Water and Sanitation

- Water facilities and drinking water availability in villages
- Awareness on Water Conservation
- Village awareness like agriculture about water facilities in the agriculture land

SDG 8 – Decent Work and Economic Growth

- Empowering lives: A journey towards Health and Hygiene
- Village Empowerment

SDG 9 – Industry, Innovation & Infrastructure

- Satellite image road extractor using attention guided U-net with spatial context
- Arduino based giant wheel type multilevel automatic car parking system
- Enhancement of CCTV low quality images using a modified singular value decomposition (MSVD) approach
- Real time object detection using SSD mobile Net

SDG 11 – Sustainable Cities & Communities

- Autonomous vehicle navigation for obstacle avoidance and autonomous direction control
- Adaptive histogram matching for seamless stitching in multicamera systems
- Pixel based traffic monitoring and control system with sort tracking mechanism
- Fusion based image enhancement for night time traffic monitoring and analysis
- Satellite image road extractor using attention guided U-net with spatial context
- Traffic Management Optimization via IoT-Enhanced Cooperative Vehicle-Infrastructure Systems

SDG 13 – Responsible Consumption and Production

- Drip Irrigation
- Plant a tree Growth a Dream
- Enhancing Green Cover with Palntation
- Agricultural Research
- Protect Trees and it will Protect you

SDG 13 – Climate Action

- Community Service Project on “Awareness on air pollution “
- Community Service Project on “Exploring Industrial Realms: Pollution and Livelihood”

SDG 14 – Life below Water

- Enhancement of specular and diffuse reflective underwater image based on optimal contrast and attenuation
- Aquatic image enhancement using weighted wavelet transforms
- Analysis of Aerosol Optical Depth from MODIS Aqua Data and Its Association with Particulate Matter Over India
- Underwater visual improvement through Integrated Frequency and spatial domain processing

SDG 15 – Life on Land

- Green Forming Knowledge

- Empowering Lives-A Gerney towards Health and Hygiene Awareness
- Enhancing Green Cover and Promoting awareness through Plantation in the Community
- Namma Grama, Namma Arogya (Our Village, Our Healt

3.7 Attainment of Course Outcomes (25)

Total Marks 25.00

3.7.1. Describe the Assessment Tools and Processes Used to Gather the Data for the Evaluation of Course Outcome (5)

Institute Marks : 5.00

Evaluation of each CO attainment for all the students based on CO Weightage (Obtained from question papers and assignments) and marks secured in Assignments, MID Exam marks and Semester End Exam marks.

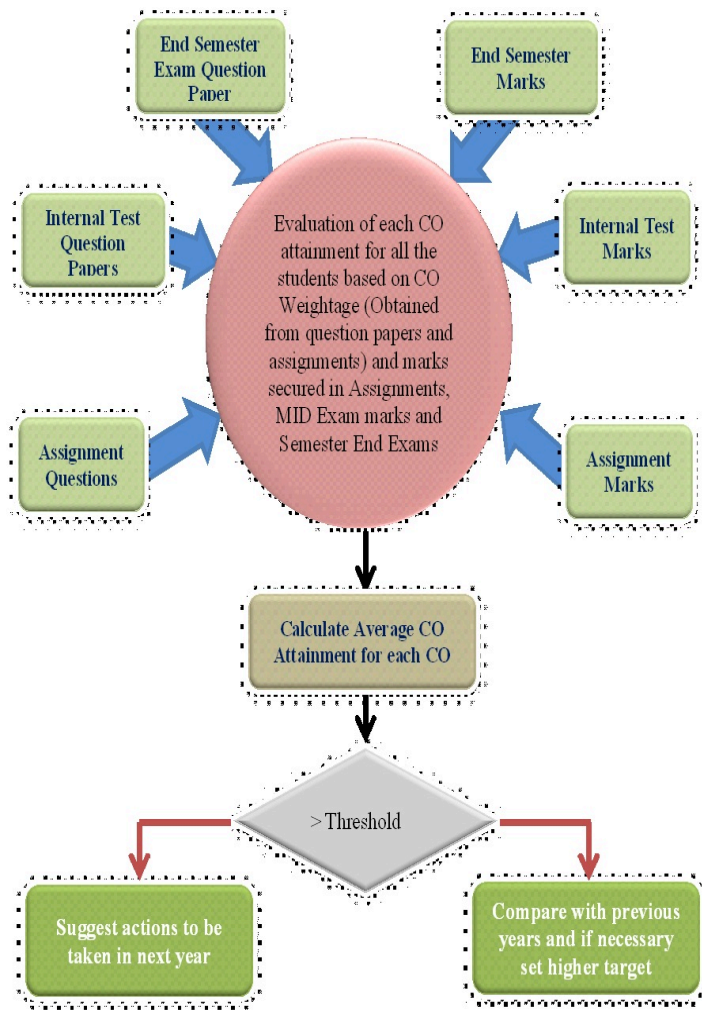


Fig. 3.7.1 Assessment tools for the attainment of COs

The assessment tools used for the Course Outcomes are shown in Fig 3.7.1.

The assessment tools used and their weights to find the Program Outcomes and Program Specific Outcomes is shown in Fig 3.7.2.

Direct Methods:

- Overall PO attainment

In-Direct Methods:

- Exit Survey

- Alumni Survey
- Student Survey
- Parent & Industrial Survey

Overall PO attainment:

For all the 4 years = Average of individual POs over all the Courses during the 4 years.

The logic behind this method introduced is that students will achieve Program Outcome if only they achieve the associated Course Outcomes.

All have to agree on the thresholds or scores that will constitute achieving the Course Outcome and Program Outcome. In this example, the set level is that 50% of students get 60% overall mark in order to say the Course Outcome is achieved. Each individual student has to get at least 60% of marks associated with the Course Outcome to be achieved.

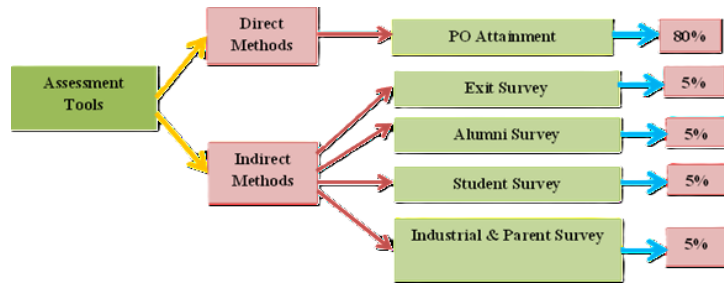


Fig. 3.7.2 Attainment of POs & PSOs using Assessment Tools

Closing the Loop:

Reasons for CO non-attainment are to be listed and measures for improvement (say, training the students to solve more design-analysis oriented problems and applications in certain Engineering subjects) of course delivery and problem-solving are to be recorded and implemented. Results will show definite improvements in CO attainment and hence PO attainments.

CO-PO Attainment Process for R-20 Regulations

(A0424206) MICROWAVE ENGINEERING AND OPTICAL COMMUNICATION

COURSE OUTCOMES:

At the end of the course, the student will be able to:

CO1 (Remembering – L1): Recall the fundamentals, advantages, and applications of microwave engineering and guided wave propagation in waveguides.

CO2 (Understanding – L2): Explain the propagation characteristics, modes, cutoff frequencies, wave impedances, and scattering matrix representation of microwave components.

CO3 (Applying – L3): Apply the principles of microwave tubes and semiconductor devices to analyze the operation of microwave amplifiers and oscillators.

CO4 (Understanding – L2): Explain the fundamentals of optical fiber communication systems, fiber types, ray theory transmission, and signal propagation mechanisms.

CO5 (Analyzing – L4): Analyze signal degradation in optical fibers and evaluate the performance of optical sources, detectors, and interconnection techniques in communication systems.

Table 3.7.1.1: CO-PO Mapping for Microwave Engineering and Optical Communication

COs / Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	–	–	1	–	–	–	–	–	–	1	2	3	–
CO2	3	3	1	1	2	–	–	–	–	–	–	1	3	3	–
CO3	3	3	1	1	2	–	–	–	–	–	–	1	3	3	–

CO4	3	2	-	-	1	-	-	-	-	-	-	1	2	3	-
CO5	3	3	1	2	2	-	-	-	-	-	-	2	2	3	1

(For the course of **Microwave Engineering and Optical Communication**)

Generally, the approach in evaluating the attainment of CO is using existing data from student's marks, for example final exam, internals and assignments. These assessments are referred as formal/ direct assessment. This method is chosen because of the information is readily available and it is common for most courses. In general, assessment methods used are grouped into 3 categories for theory courses: (1) Final exam (2) Internal Tests and (3) Assignments and for practical courses final exam and internal test only. Each of these categories contributes a certain portion of the marks into some of the COs.

Steps followed for the CO-PO attainment process:

As a model of explaining the process, it is considered about a course called "Microwave Engineering and Optical Communication" of III-B.Tech, II-Sem follows RGM-R-20 regulations for the academic year 2024-25.

1) Initially the End exam Question Paper is properly assessed with the marks weightage including choice questions (Total of 98 marks) for CO1 to CO5, which can be observed in Table No.3.7.1. Similarly, Mid1 & MID 2(50 Marks) papers as shown in Table No.3.7.2., as well Assignment1 & Assignment2(20 Marks) are also evaluated as shown in Table No.3.7.3., for their weightage as per the regulations shown in Table No.3.7.4.

2) Accordingly End exam, MID and assignment papers are evaluated for their percentage weightages for each CO as shown in Table No.3.7.5.

3) Based on the overall percentage distribution, the CO-mark needs to be calculated so that the score is normalized accordingly. Using example in Table No.3.7.6, the new mark for CO1 will be:

$$\text{Marks CO1} = (0.02 \times \% \text{FEX} \times 0.70) + (0.06 \times \% \text{INT} \times 0.2) + (0.20 \times \% \text{ASS} \times 0.1)$$

Similarly, for CO2:

$$\text{Marks CO2} = (0.28 \times \text{FE} \times 0.7) + (0.3 \times \text{INT} \times 0.2) + (0.2 \times \text{ASS} \times 0.1) \text{ and so on.}$$

where FE is the student's Final Exam mark, INT is the student's mid exam marks ASS is the student's Assignment mark

4) The students' marks are tabulated according to the assessment groups. These marks are then used to calculate the CO-marks.

5) Normalized CO values are calculated for each CO by dividing each percentage CO weight with the Average value of %weightage of each CO.

$$\text{Ex: } N.\text{CO1} = \text{CO1} / \text{Avg.CO1}$$

Similarly, calculations are done up to N.CO5 as shown in Table No.3.7.6.

6) The categorization is made with the threshold value 58% as per the Table No.3.7.7; which explains about the No. of students attained more than 58% normalized values are given 3 weightage points as they have strongly attained. 2 weightage points are given to the normalized values in between 40% to 58% and 1 weightage point is marked for the normalized values below 40%. This Table clearly gives the details about the no. of students attained the weightage points 3,2 & 1.

7) Attainment CO values are calculated:

$$CO1 = \frac{\sum_{i=1}^n (\text{No. of students attained}) \times (\text{the weightage points given})}{(\text{Total No. of students})}$$

As per the Table B.3.2.8, $(264 \times 3 + 8 \times 2 + 4 \times 1) / 276 = 2.94$

8. PO attainment values are calculated as per the Table No.3.7.8. In this table CO1 to CO5 attained values are tabulated column wise and these values are correlated with the program articulation matrix table, which already available with the curriculum-syllabus for the respective course. PO attainment values are calculated:

$$PO1 = (2.94 \times 3 + 2.64 \times 3 + 2.63 \times 3 + 2.69 \times 3 + 2.78 \times 3) / (3 + 3 + 3 + 3 + 3) = 1.09$$

Table No. 3.7.1.2: Assessment of External Question paper

Microwave and Optical Communication						
External Question Paper Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)		2				2
b)	2					2
c)			2			2

d)		2				2
e)			2			2
f)		2				2
g)				2		2
2 a)			5			5
b)				9		9
c)						0
3 a)			7			7
b)		7				7
c)						0
4 a)				7		7
b)					7	7
c)						0
5 a)		6				6
b)			8			8
c)						0
6 a)			10			10
b)		4				4
c)						0
7 a)			9			9
b)		5				5
c)						0
Total	2	28	43	18	7	98

Table No.3.7.1.3: Assessment of MID Question paper

Microwave and Optical Communication						
MID-I Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)		1				1
b)	1					1
c)	1					1
d)		1				1
e)			1			1
2 a)					3	3
b)				2		2
3 a)			3			3

b)			2			2
4 a)		3				3
b)				2		2
5 a)		3				3
b)					2	2
Total	2	8	6	4	5	25

Microwave and Optical Communication						
MID-II Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)	1					1
b)		1				1
c)				1		1
d)			1			1
e)		1				1
2 a)			3			3
b)				2		2
3 a)		3				3
b)			2			2
4 a)			3			3
b)					2	2
5 a)			3			3
b)		2				2
Total	1	7	12	3	2	25

Total	3	15	18	7	7	50
-------	---	----	----	---	---	----

Table No.3.7.1.4: Assessment of Assignment Question paper

Microwave and Optical Communication						
Assignment 1 Marks --> COs						
	CO 1	CO2	CO3	CO4	CO5	Total
	2	2	2	2	2	10
Total	2	2	2	2	2	10

Microwave and Optical Communication						
Assignment 2 Marks --> COs						

	CO1	CO2	CO3	CO4	CO5	Total
	2	2	2	2	2	10
Total	2	2	2	2	2	10

Total	4	4	4	4	4	20
-------	---	---	---	---	---	----

Table No.3.7.1.5: Weightage of marks

R-20 Regulation- Weightage of Marks		
Final exam	Internal tests	Ass/Quiz
70	25	5
0.7	0.25	0.05

Table No.3.7.1.6: Weightage for each CO

Microwave and Optical Communication						
Weightage marks for each CO						
	CO 1	CO 2	CO 3	CO 4	CO 5	Total
EM	2	28	43	18	7	98
IM	3	15	18	7	7	50
AM	4	4	4	4	4	20

% Weightage of each CO

	CO 1	CO 2	CO 3	CO 4	CO 5	Total
EM (%)	2.0408	28.5714	43.8775	18.3673	7.1428	100
IM (%)	6	30	36	14	14	100
AM (%)	20	20	20	20	20	100
Avg	4.6286	28	39.9143	17.6571	9.8	100

Table No.3.7.1.7: Attainment of percentage weightages for each CO of each student (Microwave and Optical Communication)

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
1	22091A0401	16.75	10	26	72.75	46	83.75	100	65.71	85.21	72.03	70.69	72.46	77.86
2	22091A0402	15.25	10	25	71.25	46	76.25	100	65.71	83.26	70.42	69.33	71.27	75.72
3	22091A0414	19	10	29	92.00	63	95	100	90.00	95.62	91.79	91.40	91.93	93.47
4	22091A0416	16.75	10	27	86	59	83.75	100	84.29	90.94	85.29	84.98	85.98	87.34
5	22091A0425	19	10	29	95.00	66	95	100	94.29	96.94	94.85	94.70	95.05	95.66
6	22091A0432	11.75	10	22	70	48	58.75	100	68.57	79.61	68.71	68.37	70.57	72.18
7	22091A0446	16.25	10	26	69.25	43	81.25	100	61.43	83.23	68.43	66.94	68.94	74.96

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
8	22091A0459	17.75	10	28	88.75	61	88.75	100	87.14	93.12	88.41	88.08	88.85	90.23
9	22091A0460	14.75	10	25	80.75	56	73.75	100	80.00	87.02	80.09	79.87	81.27	82.30
10	22091A0467	15.5	10	26	82.50	57	77.5	100	81.43	88.43	81.91	81.65	82.91	84.10
11	22091A0469	16.5	10	27	79.5	53	82.5	100	75.71	87.97	78.90	78.16	79.54	82.61
12	22091A0471	18.25	10	28	87.25	59	91.25	100	84.29	92.88	86.90	86.33	87.17	89.48
13	22091A0472	18.75	10	29	88.75	60	93.75	100	85.71	93.97	88.46	87.88	88.61	90.93
14	22091A0475	17.5	10	28	85.50	58	87.5	100	82.86	91.47	85.08	84.55	85.54	87.68
15	22091A0476	19	10	29	83	54	95	100	77.14	91.65	82.60	81.51	82.56	86.91
16	22091A0478	12	10	22	80	58	60	100	82.86	84.34	79.18	79.59	81.17	79.83
17	22091A0484	17.5	10	28	74	46	87.5	100	65.71	86.18	72.83	71.36	73.05	78.94
18	22091A0488	18	10	28	76	48	90	100	68.57	87.71	75.41	74.01	75.53	81.11
19	22091A0489	18	10	28	89	61	90	100	87.14	93.44	88.67	88.30	89.05	90.58
20	22091A0490	17.25	10	27	86	59	86.25	100	84.29	91.59	85.83	85.43	86.38	88.05
21	22091A0492	19	10	29	83.00	54	95	100	77.14	91.65	82.60	81.51	82.56	86.91
22	22091A0494	16.25	10	26	82	56	81.25	100	80.00	88.97	81.70	81.23	82.46	84.44
23	22091A0496	16.75	10	27	77.75	51	83.75	100	72.86	87.41	77.13	76.18	77.66	81.51
24	22091A0497	16.75	10	27	73.75	47	83.75	100	67.14	85.65	73.05	71.78	73.50	78.59
25	22091A0499	12	10	22	74.00	52	60	100	74.29	81.69	73.06	73.00	74.93	75.45
26	22091A04A2	17.75	10	28	75	47	88.75	100	67.14	86.94	74.12	72.69	74.29	80.02
27	22091A04A4	13.75	10	24	57.75	34	68.75	100	48.57	76.03	56.57	54.79	57.60	64.83
28	22091A04B1	18.75	10	29	86.75	58	93.75	100	82.86	93.09	86.42	85.68	86.53	89.47
29	22091A04B2	11.25	10	21	76.25	55	56.25	100	78.57	82.04	75.32	75.62	77.46	76.57
30	22091A04B4	18.75	10	29	93.75	65	93.75	100	92.86	96.18	93.56	93.38	93.81	94.57
31	22091A04C2	19	10	29	89.00	60	95	100	85.71	94.29	88.72	88.11	88.80	91.28
32	22091A04C3	16.25	10	26	74	48	81.25	100	68.57	85.44	73.53	72.43	74.14	78.61
33	22091A04C9	12.75	10	23	76.75	54	63.75	100	77.14	83.55	75.91	75.87	77.61	77.98
34	22091A04D6	17.75	10	28	86.75	59	88.75	100	84.29	92.23	86.36	85.88	86.77	88.77
35	22091A04D9	15.75	10	26	71.75	46	78.75	100	65.71	83.91	70.96	69.78	71.66	76.44
36	22091A04E0	16.5	10	27	63.50	37	82.5	100	52.86	80.91	62.58	60.57	62.90	70.95
37	22091A04F1	12.75	10	23	61.75	39	63.75	100	55.71	76.93	60.60	59.38	62.00	67.05
38	22091A04F5	17.5	10	28	83.50	56	87.5	100	80.00	90.59	83.04	82.36	83.45	86.22
39	22091A04G3	18.5	10	29	89.5	61	92.5	100	87.14	94.09	89.21	88.75	89.45	91.30
40	22091A04G8	18.5	10	29	84.5	56	92.5	100	80.00	91.88	84.11	83.26	84.25	87.65

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
41	22091A04J7	18.25	10	28	74.25	46	91.25	100	65.71	87.15	73.64	72.04	73.65	80.01
42	22091A04J8	18.25	10	28	90.25	62	91.25	100	88.57	94.20	89.96	89.63	90.29	91.67
43	22091A04K3	16.5	10	27	87.50	61	82.5	100	87.14	91.49	87.07	86.95	87.86	88.44
44	22091A04K5	14.25	10	24	75.25	51	71.25	100	72.86	84.17	74.45	73.93	75.68	77.94
45	22091A04K7	14	10	24	58.00	34	70	100	48.57	76.35	56.84	55.01	57.79	65.19
46	22091A04K9	18.25	10	28	89	61	91.25	100	87.14	93.76	88.94	88.53	89.25	90.94
47	22091A04M0	16.75	10	27	75.75	49	83.75	100	70.00	86.53	75.09	73.98	75.58	80.05
48	22091A04M6	19	10	29	89.00	60	95	100	85.71	94.29	88.72	88.11	88.80	91.28
49	22091A04M8	17	10	27	92	65	85	100	92.86	93.91	91.68	91.80	92.42	92.07
50	22091A04M9	16.75	10	27	91	64	83.75	100	91.43	93.14	90.40	90.47	91.18	90.98
51	22091A04N4	17.5	10	28	87.50	60	87.5	100	85.71	92.35	87.12	86.75	87.62	89.14
52	22091A04N5	16.5	10	27	78.5	52	82.5	100	74.29	87.53	77.88	77.06	78.50	81.88
53	22091A04N7	17	10	27	90	63	85	100	90.00	93.02	89.64	89.60	90.34	90.61
54	22091A04Q4	15	10	25	84	59	75	100	84.29	88.67	83.42	83.40	84.59	84.84
55	22091A04R0	15.5	10	26	76	50	77.5	100	71.43	85.35	74.77	73.96	75.63	78.99
56	22091A04R4	11.25	10	21	76.25	55	56.25	100	78.57	82.04	75.32	75.62	77.46	76.57
57	23095A0406	16.25	10	26	79.25	53	81.25	100	75.71	87.64	78.64	77.93	79.34	82.25
58	23095A0409	19	10	29	98.00	69	95	100	98.57	98.26	97.91	98.00	98.17	97.84
59	23095A0411	18.75	10	29	90	61	93.75	100	87.14	94.41	89.48	88.98	89.65	91.65
60	23095A0413	14	10	24	67.00	43	70	100	61.43	80.32	66.02	64.91	67.16	71.75
61	23095A0417	14.75	10	25	84	59	73.75	100	84.29	88.34	83.15	83.17	84.39	84.48
62	23095A0422	19	10	29	97.00	68	95	100	97.14	97.82	96.89	96.90	97.13	97.11
63	23095A0423	15.5	10	26	90	64	77.5	100	91.43	91.52	89.06	89.35	90.19	89.20
64	23095A0425	17.75	10	28	81.75	54	88.75	100	77.14	90.03	81.26	80.38	81.57	85.12
65	23095A0429	18.5	10	29	93.50	65	92.5	100	92.86	95.85	93.29	93.15	93.61	94.21
66	23095A0431	14.5	10	25	83.5	59	72.5	100	84.29	88.02	82.88	82.95	84.20	84.13
67	23095A0432	16.75	10	27	82.75	56	83.75	100	80.00	89.61	82.23	81.68	82.86	85.15
68	23095A0438	12.25	10	22	85.25	63	61.25	100	90.00	86.87	84.55	85.31	86.57	83.83
69	23095A0439	17.25	10	27	88.25	61	86.25	100	87.14	92.47	87.87	87.63	88.46	89.51
70	23095A0440	16.75	10	27	90.75	64	83.75	100	91.43	93.14	90.40	90.47	91.18	90.98
71	23095A0442	15.75	10	26	72.75	47	78.75	100	67.14	84.35	71.98	70.88	72.71	77.16
72	21091A04B8	14.75	10	25	72.75	48	73.75	100	68.57	83.49	71.93	71.08	72.95	76.47
73	22091A0410	18.5	10	29	90.50	62	92.5	100	88.57	94.53	90.23	89.85	90.49	92.03

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
74	22091A0417	16	10	26	81	55	80	100	78.57	88.20	80.41	79.90	81.23	83.35
75	22091A0421	15.5	10	26	91	65	77.5	100	92.86	91.96	90.08	90.44	91.23	89.93
76	22091A0422	13	10	23	69	46	65	100	65.71	80.34	68.01	67.30	69.48	72.51
77	22091A0441	16.75	10	27	72	45	83.75	100	64.29	84.76	71.01	69.59	71.42	77.14
78	22091A0445	16.25	10	26	72.25	46	81.25	100	65.71	84.56	71.49	70.23	72.06	77.15
79	22091A0448	11	10	21	61.00	40	55	100	57.14	75.11	59.74	58.90	61.66	65.28
80	22091A0453	14.75	10	25	68	43	73.75	100	61.43	81.29	66.82	65.58	67.75	72.82
81	22091A0454	12.5	10	23	55.50	33	62.5	100	47.14	73.96	54.21	52.56	55.57	62.32
82	22091A0465	9.75	10	20	66.75	47	48.75	100	67.14	76.57	65.55	65.47	67.95	68.59
83	22091A0466	13	10	23	82.00	59	65	100	84.29	86.08	81.28	81.59	83.01	81.98
84	22091A0470	12.5	10	23	64	41	62.5	100	58.57	77.49	62.37	61.36	63.89	68.15
85	22091A0477	15.75	10	26	78.75	53	78.75	100	75.71	87.00	78.10	77.48	78.95	81.54
86	22091A0480	14.25	10	24	69.25	45	71.25	100	64.29	81.52	68.33	67.33	69.44	73.56
87	22091A0482	13.5	10	24	82.50	59	67.5	100	84.29	86.72	81.81	82.05	83.40	82.70
88	22091A0483	11.75	10	22	58.75	37	58.75	100	52.86	74.76	57.49	56.28	59.13	64.16
89	22091A0485	13.75	10	24	59.75	36	68.75	100	51.43	76.91	58.61	56.99	59.68	66.29
90	22091A0486	14	10	24	75.00	51	70	100	72.86	83.84	74.18	73.70	75.48	77.58
91	22091A0491	14.25	10	24	75	51	71.25	100	72.86	84.17	74.45	73.93	75.68	77.94
92	22091A0495	13.75	10	24	65.75	42	68.75	100	60.00	79.55	64.73	63.58	65.92	70.66
93	22091A04A0	11.25	10	21	60.25	39	56.25	100	55.71	74.99	58.99	58.03	60.82	64.91
94	22091A04A1	12	10	22	74.00	52	60	100	74.29	81.69	73.06	73.00	74.93	75.45
95	22091A04A8	11	10	21	55	34	55	100	48.57	72.46	53.62	52.31	55.42	60.90
96	22091A04A9	11.25	10	21	62	41	56.25	100	58.57	75.87	61.03	60.23	62.90	66.36
97	22091A04B5	12.5	10	23	69.50	47	62.5	100	67.14	80.14	68.49	67.95	70.13	72.52
98	22091A04C5	15	10	25	70	45	75	100	64.29	82.50	69.13	68.01	70.03	74.64
99	22091A04C6	9.5	10	20	67	47	47.5	100	67.14	76.25	65.28	65.25	67.75	68.24
100	22091A04C7	11.5	10	22	51.5	30	57.5	100	42.86	71.34	50.08	48.36	51.65	58.70
101	22091A04D1	15.75	10	26	67.75	42	78.75	100	60.00	82.15	66.88	65.39	67.50	73.52
102	22091A04D2	14.75	10	25	73.75	49	73.75	100	70.00	83.94	72.95	72.18	73.99	77.19
103	22091A04D3	10.75	10	21	51.75	31	53.75	100	44.29	70.81	50.29	48.78	52.10	58.36
104	22091A04D4	13.75	10	24	83.75	60	68.75	100	85.71	87.49	83.10	83.37	84.64	83.78
105	22091A04E3	13	10	23	68.00	45	65	100	64.29	79.90	66.99	66.20	68.44	71.78
106	22091A04E4	8.25	10	18	52	34	41.25	100	48.57	68.90	50.68	49.83	53.24	56.98

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EMC	CO 1	CO 2	CO 3	CO 4	CO 5
107	22091A04E5	15.75	10	26	73.75	48	78.75	100	68.57	84.79	73.00	71.98	73.75	77.89
108	22091A04E6	15.25	10	25	72.25	47	76.25	100	67.14	83.70	71.44	70.43	72.31	76.45
109	22091A04E7	13	10	23	72.00	49	65	100	70.00	81.67	71.07	70.60	72.61	74.69
110	22091A04F2	15	10	25	64	39	75	100	55.71	79.85	63.01	61.41	63.79	70.26
111	22091A04F4	17.75	10	28	78	50	88.75	100	71.43	88.26	77.18	75.98	77.41	82.21
112	22091A04G9	14.25	10	24	72.25	48	71.25	100	68.57	82.85	71.39	70.63	72.56	75.75
113	22091A04H4	18	10	28	64.00	36	90	100	51.43	82.42	63.16	60.82	63.05	72.36
114	22091A04H6	14.5	10	25	77	52	72.5	100	74.29	84.93	75.74	75.25	76.92	79.02
115	22091A04H7	18.75	10	29	81.75	53	93.75	100	75.71	90.88	81.31	80.18	81.33	85.82
116	22091A04J3	13.5	10	24	65.50	42	67.5	100	60.00	79.23	64.46	63.36	65.72	70.31
117	22091A04J4	14	10	24	72	48	70	100	68.57	82.52	71.12	70.40	72.36	75.39
118	22091A04J9	10	10	20	69	49	50	100	70.00	77.78	67.86	67.90	70.23	70.41
119	22091A04K0	17.5	10	28	83	55	87.5	100	78.57	90.15	82.02	81.26	82.41	85.50
120	22091A04K4	12.75	10	23	81.75	59	63.75	100	84.29	85.75	81.01	81.37	82.81	81.63
121	22091A04M5	9.25	10	19	68.25	49	46.25	100	70.00	76.81	67.05	67.22	69.63	69.34
122	22091A04N6	14.5	10	25	83.50	59	72.5	100	84.29	88.02	82.88	82.95	84.20	84.13
123	22091A04N9	14.75	10	25	78.75	54	73.75	100	77.14	86.14	78.05	77.68	79.19	80.84
124	22091A04P1	11.75	10	22	72.75	51	58.75	100	72.86	80.93	71.77	71.67	73.69	74.37
125	22091A04P3	15.75	10	26	82.75	57	78.75	100	81.43	88.76	82.18	81.88	83.11	84.45
126	22091A04P8	11.25	10	21	68.25	47	56.25	100	67.14	78.52	67.16	66.82	69.14	70.74
127	22091A04Q9	12.5	10	23	63.50	41	62.5	100	58.57	77.49	62.37	61.36	63.89	68.15
128	22091A04R3	17.5	10	28	78.5	51	87.5	100	72.86	88.38	77.93	76.86	78.25	82.58
129	23095A0402	14.25	10	24	74.25	50	71.25	100	71.43	83.73	73.43	72.83	74.64	77.21
130	23095A0405	13.5	10	24	79.50	56	67.5	100	80.00	85.40	78.75	78.75	80.28	80.51
131	23095A0408	14.75	10	25	79.75	55	73.75	100	78.57	86.58	79.07	78.78	80.23	81.57
132	23095A0412	16.5	10	27	88.50	62	82.5	100	88.57	91.94	88.09	88.05	88.90	89.17
133	23095A0414	16.25	10	26	79.25	53	81.25	100	75.71	87.64	78.64	77.93	79.34	82.25
134	23095A0415	13	10	23	79.00	56	65	100	80.00	84.75	78.21	78.30	79.89	79.80
135	23095A0416	15.75	10	26	83	57	78.75	100	81.43	88.76	82.18	81.88	83.11	84.45
136	23095A0418	17	10	27	87.00	60	85	100	85.71	91.70	86.58	86.30	87.22	88.43
137	23095A0419	15.75	10	26	84	58	78.75	100	82.86	89.20	83.20	82.98	84.15	85.18
138	23095A0420	12.75	10	23	75.75	53	63.75	100	75.71	83.11	74.89	74.77	76.57	77.25
139	23095A0426	17.25	10	27	84.25	57	86.25	100	81.43	90.70	83.79	83.23	84.30	86.60

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EMC	CO 1	CO 2	CO 3	CO 4	CO 5
140	23095A0428	15.25	10	25	85.25	60	76.25	100	85.71	89.43	84.71	84.72	85.83	85.93
141	23095A0430	14.25	10	24	81.25	57	71.25	100	81.43	86.81	80.57	80.52	81.92	82.31
142	23095A0441	15.75	10	26	78.75	53	78.75	100	75.71	87.00	78.10	77.48	78.95	81.54
143	22091A0404	12.75	10	23	60.75	38	63.75	100	54.29	76.49	59.58	58.28	60.96	66.32
144	22091A0405	12.25	10	22	49.25	27	61.25	100	38.57	70.99	47.82	45.74	49.13	57.59
145	22091A0406	9.75	10	20	66.75	47	48.75	100	67.14	76.57	65.55	65.47	67.95	68.59
146	22091A0407	6.75	10	17	57.75	41	33.75	100	58.57	70.04	56.21	56.17	59.33	59.93
147	22091A0409	12.5	10	23	59.50	37	62.5	100	52.86	75.73	58.29	56.96	59.73	65.23
148	22091A0411	11.5	10	22	56.5	35	57.5	100	50.00	73.55	55.18	53.86	56.85	62.35
149	22091A0412	10.5	10	21	55.5	35	52.5	100	50.00	72.25	54.11	52.96	56.06	60.92
150	22091A0415	11.25	10	21	66.25	45	56.25	100	64.29	77.63	65.11	64.63	67.06	69.28
151	22091A0419	13.75	10	24	68.75	45	68.75	100	64.29	80.88	67.79	66.88	69.04	72.85
152	22091A0420	12.5	10	23	66.50	44	62.5	100	62.86	78.81	65.43	64.65	67.01	70.34
153	22091A0423	10	10	20	56	36	50	100	51.43	72.05	54.59	53.60	56.70	60.93
154	22091A0424	8.75	10	19	58	39	43.75	100	55.71	71.75	56.31	55.78	58.83	61.33
155	22091A0429	12.5	10	23	62.50	40	62.5	100	57.14	77.05	61.35	60.26	62.85	67.42
156	22091A0430	12	10	22	62	40	60	100	57.14	76.40	60.82	59.81	62.45	66.71
157	22091A0434	14.5	10	25	66	41	72.5	100	58.57	80.08	64.52	63.16	65.47	71.01
158	22091A0435	13	10	23	75	52	65	100	74.29	82.99	74.13	73.90	75.73	76.88
159	22091A0437	10	10	20	60	40	50	100	57.14	73.81	58.67	58.00	60.86	63.85
160	22091A0440	7.5	10	18	30	12	37.5	100	17.14	58.22	27.42	24.97	29.76	39.87
161	22091A0442	6.75	10	17	34.75	18	33.75	100	25.71	59.90	32.74	30.89	35.40	43.17
162	22091A0447	9.25	10	19	49.25	30	46.25	100	42.86	68.43	47.67	46.33	49.87	55.49
163	22091A0451	11.75	10	22	61.75	40	58.75	100	57.14	76.08	60.55	59.58	62.25	66.35
164	22091A0456	10.25	10	20	55.25	35	51.25	100	50.00	71.93	53.84	52.73	55.86	60.56
165	22091A0457	14.75	10	25	82.75	58	73.75	100	82.86	87.90	82.13	82.07	83.35	83.75
166	22091A0458	8	10	18	53.00	35	40	100	50.00	69.01	51.43	50.70	54.08	57.35
167	22091A0461	10.75	10	21	64	43	53.75	100	61.43	76.10	62.54	61.98	64.58	67.11
168	22091A0468	17.75	10	28	73.75	46	88.75	100	65.71	86.50	73.10	71.59	73.25	79.29
169	22091A0487	11.25	10	21	56.25	35	56.25	100	50.00	73.23	54.91	53.63	56.65	61.99
170	22091A0493	14.5	10	25	72.50	48	72.5	100	68.57	83.17	71.66	70.85	72.75	76.11
171	22091A04A3	12.75	10	23	60.75	38	63.75	100	54.29	76.49	59.58	58.28	60.96	66.32
172	22091A04A5	15	10	25	68.00	43	75	100	61.43	81.61	67.09	65.81	67.95	73.18

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
173	22091A04A7	11.5	10	22	52	30	57.5	100	42.86	71.34	50.08	48.36	51.65	58.70
174	22091A04C4	13.75	10	24	68.75	45	68.75	100	64.29	80.88	67.79	66.88	69.04	72.85
175	22091A04C8	9.5	10	20	60.50	41	47.5	100	58.57	73.60	59.16	58.65	61.51	63.86
176	22091A04D0	9.5	10	20	51.5	32	47.5	100	45.71	69.63	49.97	48.76	52.15	57.30
177	22091A04D5	7	10	17	52	35	35	100	50.00	67.72	50.36	49.80	53.28	55.92
178	22091A04E1	7.5	10	18	56	38	37.5	100	54.29	69.69	53.95	53.55	56.80	58.82
179	22091A04E9	8.25	10	18	59.25	41	41.25	100	58.57	71.98	57.82	57.52	60.52	62.08
180	22091A04F0	10.25	10	20	65.25	45	51.25	100	64.29	76.34	64.04	63.72	66.26	67.85
181	22091A04F8	7.25	10	17	58.25	41	36.25	100	58.57	70.69	56.75	56.62	59.72	60.65
182	22091A04G1	12.5	10	23	61.50	39	62.5	100	55.71	76.61	60.33	59.16	61.81	66.69
183	22091A04G2	10.5	10	21	62.5	42	52.5	100	60.00	75.34	61.25	60.65	63.34	66.02
184	22091A04G6	9.5	10	20	56.5	37	47.5	100	52.86	71.84	55.08	54.25	57.35	60.95
185	22091A04G7	13.25	10	23	62.25	39	66.25	100	55.71	77.58	61.14	59.83	62.40	67.76
186	22091A04H1	13	10	23	75.00	52	65	100	74.29	82.99	74.13	73.90	75.73	76.88
187	22091A04H3	14.75	10	25	69	44	73.75	100	62.86	81.73	67.84	66.68	68.79	73.55
188	22091A04H8	17.5	10	28	83.50	56	87.5	100	80.00	90.59	83.04	82.36	83.45	86.22
189	22091A04H9	12.75	10	23	83.75	61	63.75	100	87.14	86.63	83.05	83.57	84.89	83.08
190	22091A04J5	7	10	17	53.00	36	35	100	51.43	68.16	51.38	50.90	54.33	56.65
191	22091A04J6	14.75	10	25	67	42	73.75	100	60.00	80.85	65.80	64.48	66.71	72.09
192	22091A04K2	12.25	10	22	62.25	40	61.25	100	57.14	76.73	61.08	60.03	62.65	67.06
193	22091A04K6	12.75	10	23	56.75	34	63.75	100	48.57	74.73	55.50	53.89	56.80	63.40
194	22091A04M1	9.25	10	19	74.25	55	46.25	100	78.57	79.45	73.18	73.81	75.87	73.71
195	22091A04M2	14.25	10	24	77.25	53	71.25	100	75.71	85.05	76.49	76.13	77.76	79.40
196	22091A04M3	5.75	10	16	71.75	56	28.75	100	80.00	75.35	70.45	71.76	74.14	69.44
197	22091A04M7	13.25	10	23	74.25	51	66.25	100	72.86	82.87	73.38	73.03	74.88	76.51
198	22091A04N1	11.25	10	21	59.25	38	56.25	100	54.29	74.55	57.97	56.93	59.78	64.18
199	22091A04N8	14.75	10	25	81.75	57	73.75	100	81.43	87.46	81.11	80.97	82.31	83.02
200	22091A04P0	10.75	10	21	68.75	48	53.75	100	68.57	78.31	67.64	67.47	69.78	70.75
201	22091A04P4	11.75	10	22	64.75	43	58.75	100	61.43	77.40	63.61	62.88	65.37	68.53
202	22091A04P5	11.75	10	22	62.75	41	58.75	100	58.57	76.52	61.57	60.68	63.29	67.08
203	22091A04Q0	9.25	10	19	74.25	55	46.25	100	78.57	79.45	73.18	73.81	75.87	73.71
204	22091A04R1	8.75	10	19	61.75	43	43.75	100	61.43	73.51	60.40	60.17	62.99	64.25
205	22091A04R2	7.75	10	18	70.75	53	38.75	100	75.71	76.62	69.53	70.26	72.60	70.11

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EMC	CO 1	CO 2	CO 3	CO 4	CO 5
206	22091A04R5	15.25	10	25	78.25	53	76.25	100	75.71	86.35	77.56	77.03	78.55	80.82
207	23095A0401	8	10	18	60.00	42	40	100	60.00	72.10	58.57	58.40	61.36	62.45
208	23095A0403	8	10	18	55	37	40	100	52.86	69.89	53.47	52.90	56.16	58.80
209	23095A0410	13.25	10	23	69	46	66.25	100	65.71	80.67	68.28	67.53	69.68	72.86
210	23095A0427	10.25	10	20	60.25	40	51.25	100	57.14	74.13	58.94	58.23	61.06	64.21
211	23095A0433	14.25	10	24	70.25	46	71.25	100	65.71	81.96	69.35	68.43	70.48	74.29
212	23095A0437	14.5	10	25	71.50	47	72.5	100	67.14	82.73	70.64	69.76	71.71	75.38
213	21091A0403	5.75	10	16	66.75	51	28.75	100	72.86	73.15	65.34	66.26	68.94	65.79
214	21091A0480	6	10	16	54.00	38	30	100	54.29	67.74	52.35	52.20	55.61	56.68
215	21091A04K6	5.75	10	16	50	34	28.75	100	48.57	65.65	48.00	47.57	51.25	53.40
216	21091A04R0	5.75	10	16	40.75	25	28.75	100	35.71	61.69	38.81	37.68	41.89	46.84
217	21091A04S1	3.75	10	14	23.75	10	18.75	100	14.29	52.48	21.36	19.39	24.70	33.05
218	22091A0403	6.25	10	16	53.25	37	31.25	100	52.86	67.63	51.59	51.32	54.77	56.30
219	22091A0408	5	10	15	18.00	3	25	100	4.29	51.01	15.56	12.82	18.41	29.74
220	22091A0413	11	10	21	61	40	55	100	57.14	75.11	59.74	58.90	61.66	65.28
221	22091A0426	6.5	10	17	47	30	32.5	100	42.86	64.86	44.72	43.85	47.69	51.56
222	22091A0427	6	10	16	42	26	30	100	37.14	62.45	40.10	39.00	43.13	47.93
223	22091A0428	10.75	10	21	49	28	53.75	100	40.00	69.49	47.23	45.49	48.98	56.17
224	22091A0431	10	10	20	55.00	35	50	100	50.00	71.60	53.57	52.51	55.66	60.20
225	22091A0433	3.25	10	13	41	28	16.25	100	40.00	59.77	39.20	38.72	43.03	45.46
226	22091A0438	11.75	10	22	48.75	27	58.75	100	38.57	70.35	47.28	45.29	48.73	56.87
227	22091A0439	0.75	10	11	17.75	7	3.75	100	10.00	47.27	15.09	13.38	19.20	26.58
228	22091A0444	8.5	10	19	44.50	26	42.5	100	37.14	65.69	42.78	41.26	45.11	51.50
229	22091A0449	9	5	14	14		45	50	0.00	33.27	13.21	10.62	12.80	23.06
230	22091A0450	13.5	10	24	62	38	67.5	100	54.29	77.46	60.38	58.96	61.56	67.39
231	22091A0452	0	5	5	5		0	50	0.00	21.60	3.57	2.51	5.66	10.20
232	22091A0455	7.75	10	18	37	19	38.75	100	27.14	61.63	34.83	32.89	37.24	45.33
233	22091A0462	9.5	10	20	44.50	25	47.5	100	35.71	66.55	42.83	41.06	44.86	52.20
234	22091A0464	10.75	10	21	51.75	31	53.75	100	44.29	70.81	50.29	48.78	52.10	58.36
235	22091A0473	5.75	10	16	47.75	32	28.75	100	45.71	64.77	45.96	45.37	49.17	51.95
236	22091A0474	7.75	10	18	24.75	7	38.75	100	10.00	56.34	22.59	19.70	24.75	36.58
237	22091A0481	9	10	19	46.00	27	45	100	38.57	66.78	44.34	42.81	46.55	52.94
238	22091A0498	14.5	10	25	67	42	72.5	100	60.00	80.52	65.54	64.26	66.51	71.73

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
239	22091A04B0	7.5	10	18	58.5	41	37.5	100	58.57	71.01	57.02	56.85	59.92	61.01
240	22091A04B3	5.25	10	15	22.25	7	26.25	100	10.00	53.10	19.91	17.44	22.77	33.01
241	22091A04B6	9.25	10	19	44.25	25	46.25	100	35.71	66.22	42.56	40.84	44.67	51.84
242	22091A04B7	10.5	10	21	59.50	39	52.5	100	55.71	74.02	58.19	57.35	60.22	63.83
243	22091A04B8	12.75	10	23	64.75	42	63.75	100	60.00	78.26	63.66	62.68	65.13	69.23
244	22091A04B9	6.5	10	17	16.50	AB	32.5	100	0.00	51.64	14.11	10.87	16.48	29.69
245	22091A04C1	15	10	25	65	40	75	100	57.14	80.29	64.03	62.51	64.83	70.99
246	22091A04D7	8.75	10	19	35	16	43.75	100	22.86	61.61	32.84	30.49	34.91	44.57
247	22091A04E8	15.5	10	26	80.50	55	77.5	100	78.57	87.55	79.87	79.45	80.83	82.64
248	22091A04F3	3.5	5	9	8.5		17.5	50	0.00	26.14	7.32	5.66	8.44	15.20
249	22091A04F7	8.75	10	19	55.75	37	43.75	100	52.86	70.87	54.27	53.58	56.75	59.88
250	22091A04F9	11.5	10	22	46.50	25	57.5	100	35.71	69.14	44.97	42.87	46.45	55.06
251	22091A04G0	10.5	10	21	45.5	25	52.5	100	35.71	67.84	43.90	41.96	45.66	53.63
252	22091A04G4	14.25	10	24	49.25	25	71.25	100	35.71	72.71	47.92	45.35	48.63	58.99
253	22091A04G5	6	10	16	33.00	17	30	100	24.29	58.48	30.92	29.11	33.77	41.37
254	22091A04H5	5	10	15	33	18	25	100	25.71	57.63	30.87	29.31	34.02	40.67
255	22091A04J0	8.5	10	19	69	50	42.5	100	71.43	76.27	67.27	67.64	70.08	68.99
256	22091A04J1	7	10	17	64	47	35	100	67.14	73.01	62.60	62.99	65.77	64.66
257	22091A04J2	11	10	21	47	26	55	100	37.14	68.93	45.46	43.51	47.09	55.07
258	22091A04K1	7	10	17	69	52	35	100	74.29	75.21	67.70	68.49	70.97	68.31
259	22091A04K8	6.25	10	16	58	42	31.25	100	60.00	69.83	56.70	56.82	59.97	59.95
260	22091A04N0	8.5	10	19	46.50	28	42.5	100	40.00	66.57	44.82	43.46	47.19	52.96
261	22091A04N2	0	10	10	10	AB	0	100	0.00	43.21	7.14	5.01	11.33	20.41
262	22091A04P6	11.5	10	22	74	52	57.5	100	74.29	81.04	72.53	72.55	74.54	74.74
263	22091A04P7	11.5	10	22	76.5	55	57.5	100	78.57	82.37	75.59	75.84	77.66	76.92
264	22091A04Q2	6.25	10	16	48.25	32	31.25	100	45.71	65.42	46.49	45.83	49.57	52.66
265	22091A04Q3	7.25	10	17	43.25	26	36.25	100	37.14	64.07	41.44	40.13	44.12	49.72
266	22091A04Q5	7.75	10	18	43.75	26	38.75	100	37.14	64.72	41.98	40.58	44.52	50.43
267	22091A04Q6	5	10	15	51.00	36	25	100	51.43	65.56	49.23	49.09	52.74	53.79
268	22091A04Q7	5.25	10	15	47	32	26.25	100	45.71	64.12	45.42	44.92	48.78	51.23
269	22091A04Q8	5.75	10	16	40.75	25	28.75	100	35.71	61.69	38.81	37.68	41.89	46.84
270	23095A0404	13.25	10	23	54.25	31	66.25	100	44.29	74.05	52.97	51.04	54.08	61.93
271	23095A0407	14	10	24	72.00	48	70	100	68.57	82.52	71.12	70.40	72.36	75.39

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
272	23095A0421	7	10	17	69	52	35	100	74.29	75.21	67.70	68.49	70.97	68.31
273	23095A0424	7.5	10	18	58	40	37.5	100	57.14	70.57	55.99	55.75	58.88	60.28
274	23095A0434	16.5	10	27	82.5	56	82.5	100	80.00	89.29	81.96	81.45	82.66	84.80
275	23095A0435	0	0	0	0		0	0	0.00	0.00	0.00	0.00	0.00	0.00
276	23095A0436	9.75	10	20	73	53	48.75	100	75.71	79.22	71.67	72.07	74.19	72.97

Table No.3.7.1.8: percentage weightages for each CO for the course (Microwave and Optical Communication)

	CO 1		CO 2		CO 3		CO 4		CO 5	
	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points
>= 58%	264	3	198	3	195	3	207	3	228	3
40% to 58%	8	2	58	2	60	2	52	2	36	2
<40%	4	1	20	1	21	1	17	1	12	1
Total No. of students	276		276		276		276		276	
Attainment value		2.94		2.64		2.63		2.69		2.78
% of Attainment		95.65		71.74		70.65		75.00		82.61
Attained or not		YES		YES		YES		YES		YES

Table No.3.7.1.9: percentage weightages for each PO for the course (Microwave and Optical Communication)

CO	CO Attainment Value	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2.94	3	2	0	0	1	0	0	0	0	0	0	1
CO 2	2.64	3	3	1	1	2	0	0	0	0	0	0	1
CO 3	2.63	3	3	1	1	2	0	0	0	0	0	0	1
CO 4	2.69	3	2	0	0	1	0	0	0	0	0	0	1
CO 5	2.78	3	3	1	2	2	0	0	0	0	0	0	2
	MWOC	2.74	2.73	2.69	2.71	2.72	-	-	-	-	-	-	2.75

Table No.3.7.1.10: percentage weightages for each PSO for the course (Microwave and Optical Communication)

CO	CO Attainment Value	PSO 1	PSO 2	PSO 3
CO 1	2.94	2	3	0
CO 2	2.64	3	3	0
CO 3	2.63	3	3	0
CO 4	2.69	2	3	0
CO 5	2.78	2	3	1

MWOC	2.72	2.74	2.78

R20

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
04th February 2025
III B.Tech. II Sem. (R20) Mid-I Examinations (2022 Batch)
MICROWAVE ENGINEERING AND OPTICAL COMMUNICATION
ECE

Time: 2 Hrs

Total Marks: 20

Note 1: Answer FIRST question compulsorily. (5 x 1 = 5 Marks)

2: Answer Any THREE from 2 to 5 questions. (3 x 5 = 15 Marks)

- 1a Why H-plane Tee is called as Shunt Tee? *C02*
- b Why a TEM Wave cannot propagate in a rectangular wave guide? *C01*
- c What are the applications of GUNN Diode? *C01*
- d What are the characteristics of ferrite medium? *C02*
- e What is the basic principle of parametric amplifier? *C03*
- 2 a) Derive the expression for guide wave length of TE_{m0} mode in rectangular wave guide. *C05*
b) A rectangular wave guide with dimensions of 3cm x 2cm operates in the TM_{11} mode at 10GHz. Determine the Characteristic impedance. *C04*
- 3 a) Draw the diagram of H-plane Tee and explain its construction details. (8) *C03*
b) A signal of power 32 mw is fed into one of the collinear ports of a lossless H-Plane Tee. Determine the powers in the remaining ports when other ports are terminated by means of matched loads. (6) *C03*
- 4 a) Explain the operation of Gyrator in detail. *C02*
b) Draw a typical magic Tee junction and discuss how to obtain sum and difference signals. *C04*
- 5 a) Develop gain considerations for Travelling Wave Tube amplifier (9) *C02*
b) Differentiate TWTA with Two Cavity Klystron amplifier. (5) *C05*

- xxx -

R20

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
03rd April 2025
III B.Tech. II Sem. (R20) Mid-II Examinations (2022 Batch)
MICROWAVE ENGINEERING AND OPTICAL COMMUNICATION
ECE

Time: 2 Hrs

Total Marks: 20

Note 1: Answer FIRST question compulsorily. (5 x 1 = 5 Marks)
2: Answer Any THREE from 2 to 5 questions. (3 x 5 = 15 Marks)

- 1a) Mention any four factors which affect the power launched into fiber. *C01*
- b) Give the relationship between cut-off wavelength and V-number. *C02*
- c) Among the different fibers, which has the highest dispersion? *C04*
- d) What are the major requirements of Photodetectors? *C03*
- e) Give the relationship between acceptance angle for meridional rays and skew rays. *C02*
- 2 a) Explain the Various types of Bending losses that arises in fiber as light passes through it. (7) *C03*
b) A 5 Km optical link consists of multimode step index fiber with a core refractive index of 1.5 and a relative refractive index difference of 1%. Calculate the r.m.s pulse broadening due to intermodal dispersion on the link. (7) *C04*
- 3 a) Explain the general block diagram of an optical communication system. (7) *C02*
b) Give various applications of multi-mode graded index fiber. (7) *C03*
- 4 a) Explain the following process involved in the LASER operation *C03*
i) Absorption
ii) Spontaneous emission (6)
iii) Stimulated emission. (6)
b) The total efficiency of an injection laser with a GaAs action region is 18%. The total applied voltage to device is 2.5V and bandgap energy for GaAs is 1.43eV. Calculate the external power efficiency of the diode. (8) *C05*
- 5 a) Explain about mode field diameter in optical fibers. (7) *C03*
b) Write short notes on spot size in optical fibers. (7) *C02*

- xxx -

Code: A0424206R0425

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
15th April 2025
III B.Tech. II Sem. (R20) End Examinations (Regular)
MICROWAVE ENGINEERING AND OPTICAL COMMUNICATION
ECE

Time: 3 Hrs

Total Marks: 70

Note: 1: Answer Question No. 1 (Compulsory) and 4 from the remaining

2: All Questions Carry Equal Marks

- 1a) What is signal attenuation in optical fibers? Mention different attenuation losses. *CO2*
 b) List out the properties of microwaves. *CO1*
 c) Differentiate TED and avalanche transit time devices. *CO3*
 d) What are the important elements in optical communication system? *CO2*
 e) Why H-plane Tee is called as Shunt Tee? *CO3*
 f) Define fusion splicing. *CO2*
 g) Explain how dispersion effects the information capacity of a channel. *CO4*
- 2 a) What is an E-H Plane Tee Junction? *CO3* (5)
 b) Develop the scattering matrix of a E-H Plane Tee junction. *CO4* (9)
- 3 a) Explain the general optical communication system with neat diagram. *CO3* (7)
 b) Give various applications of optical fiber communications. *CO2* (7)
- 4 a) Explain what is meant by the "Cut-off wavelength". Explain the term "dominant mode" of a waveguide. *CO1*
 b) Determine the cutoff wavelength for the dominant mode in a rectangular waveguide of breadth 10cm. For a 2.5GHz signal propagated in this waveguide in the dominant mode, calculate the guide wavelength, the group and phase velocities. *CO5*
- 5 a) Explain the following process involved in the LASER operation: *CO2*
 i) Absorption
 ii) Spontaneous emission
 iii) Stimulated emission. (6)
 b) The total efficiency of an injection laser with a GaAs action region is 18%. The total applied voltage to device is 2.5V and bandgap energy for GaAs is 1.43eV. Calculate the external power efficiency of the diode. (8) *CO3*
- 6 a) Explain the construction, principle and operation of IMPATT diode with a neat sketch. (10) *CO3*
 b) Explain applications of Trapatt diode. (4) *CO1*
- 7 a) Discuss the signal distortion caused by intermodal and intramodal dispersion. Distinguish their characteristics. (9) *CO3*
 b) Give over all dispersion exhibited by single mode fiber (5) *CO2*

Page: 1 of 1

CO-PO ATTAINMENT PROCESS (R-23 Regulations)**(A0408234) ELECTRONIC CIRCUITS ANALYSIS****COURSE OUTCOMES:***At the end of the course, the student will be able to:***CO1 (Remembering):** List amplifier classifications, feedback concepts, oscillators, and multivibrator fundamentals.**CO2 (Understanding):** Demonstrate frequency response, feedback topologies, tuned amplifiers, and differential amplifier behavior.**CO3 (Applying):** Apply small-signal models to analyze amplifiers, oscillators, and feedback circuits.**CO4 (Analyzing):** Classify power amplifiers, distortion, stability, and frequency response of electronic circuits.**CO5 (Analyzing):** Differentiate tuned amplifiers and multivibrator circuits for specified applications.**Table 3.7.1.11: CO-PO Mapping for Electronic Circuits Analysis**

CO \ PO	1	2	3	4	5	6	7	8	9	0	PO1	PSO 1	PSO 2	PSO 3
CO1	3	1											3	1
CO2	3	2											3	2
CO3	3	3		2	1								3	3
CO4	3	3	2	2	2							1	3	3
CO5	3	3	3	2	2							2	3	3

(For the course of **ELECTRONIC CIRCUITS ANALYSIS**)

Generally, the approach in evaluating the attainment of CO is using existing data from student's marks, for example final exam, internals and assignments. These assessments are referred as formal/ direct assessment. This method is chosen because of the information is readily available and it is common for most courses. In general, assessment methods used are grouped into 3 categories for theory courses: (1) Final exam (2) Internal Tests and (3) Assignments and for practical courses final exam and internal test only. Each of these categories contributes a certain portion of the marks into some of the COs.

Steps followed for the CO-PO attainment process:

As a model of explaining the process, it is considered about a course called "Electronic Circuits Analysis" of II-B.Tech, II-Sem follows RGM-R-23 regulations for the academic year 2024-25.

1. Initially the End exam Question Paper is properly assessed with the marks weightage including choice questions (Total of 120marks) for CO1 to CO5, which can be observed in Table No.3.7.9. Similarly, Mid1 & MID 2(140 Marks) papers as shown in Table No.3.7.10., as well Assignment1 & Assignment 2 (10 Marks) are also evaluated as shown in Table No.3.7.11., for their weightage as per the regulations shown in Table No.3.7.12.

2. Accordingly End exam, MID and assignment papers are evaluated for their percentage weightages for each CO as shown in Table No.3.7.13.

3. Based on the overall percentage distribution, the CO-mark needs to be calculated so that the score is normalized accordingly. Using example in Table No.3.7.14, the new mark for CO1 will be:

$$\text{Marks CO1} = (0.14 \times \% \text{FEX} \times 0.70) + (0.24 \times \% \text{INT} \times 0.25) + (0.20 \times \% \text{ASS} \times 0.05)$$

Similarly, for CO2:

$$\text{Marks CO2} = (0.07 \times \% \text{FE} \times 0.7) + (0.25 \times \% \text{INT} \times 0.25) + (0.2 \times \% \text{ASS} \times 0.05) \text{ and so on.}$$

where FE is the student's Final Exam mark, INT is the student's mid exam marks ASS is the student's Assignment mark

4. The students' marks are tabulated according to the assessment groups. These marks are then used to calculate the CO-marks.

5. Normalised CO values are calculated for each CO by dividing each percentage CO weight with the Average value of %weightage of each CO.

Ex: $N.CO1 = CO1 / \text{Avg.CO1}$

Similarly, calculations are done up to N.CO5 as shown in Table No.3.7.14.

6. The categorization is made with the threshold value 53% as per the Table No.3.7.15 which explains about the No. of students attained more than 53% normalized values are given 3 weightage points as they have strongly attained. 2 weightage points are given to the normalized values in between 40% to 53% and 1 weightage point is marked for the normalized values below 40%. This Table clearly gives the details about the no. of students attained the weightage points 3,2 & 1.

7. Attainment CO values are calculated:

$$\text{As per the Table No.3.2.15, for CO1} = (180 \times 3 + 56 \times 2 + 40 \times 1) / 276 = 2.51$$

8. PO attainment values are calculated as per the Table No.3.7.16. In this table CO1 to CO5 attained values are tabulated column wise and these values are correlated with the program articulation matrix table, which already available with the curriculum-syllabus for the respective course. PO attainment values are calculated:

$$PO1 = (2.51 \times 3 + 2.57 \times 3 + 2.44 \times 3 + 2.44 \times 3 + 2.43 \times 3) / (3 + 3 + 3 + 3 + 3) = 2.48$$

Table No.3.7.1.12 Assessment of End exam Question paper

ELECTRONIC CIRCUITS ANALYSIS

External Question Paper Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)	2					2
b)			2			2
c)	2					2
d)		2				2
e)			2			2
f)	2					2
g)	2					2
h)					2	2
i)		2				2
j)				2		2
2 a)					5	5
b)					5	5
3 a)					5	5
b)					5	5
4 a)				5		5
b)				5		5
5 a)			5			5
b)					5	5
6 a)			5			5
b)			5			5
7 a)					5	5
b)		5				5
8 a)				5		5
b)				5		5
9 a)			5			5
b)				5		5
10 a)			5			5
b)			5			5
11 a)				5		5
b)			5			5

Total	17	9	34	32	32	120
-------	----	---	----	----	----	-----

Table No.3.7.1.13 Assessment of MID Exam Question paper

ELECTRONIC CIRCUITS ANALYSIS						
Mid I Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)	2					2
b)	2					2
c)		2				2
d)		2				2
e)		2				2
2 a)	3					3
b)	7					7
3 a)	5					5
b)	5					5
4 a)		5				5
b)		5				5
5 a)		6				6
b)		4				4
6 a)	6					6
b)	4					4
7 a)		6				6
b)		4				4
Total	34	36	0	0	0	70

Mid II Marks --> COs						
Q.No.	CO 1	CO 2	CO 3	CO 4	CO 5	Total
1 a)			2			2
b)				2		2
c)					2	2
d)			2			2
e)					2	2
2 a)			4			4
b)			6			6

3 a)			5			5
b)			5			5
4 a)				5		5
b)				5		5
5 a)				6		6
b)				4		4
6 a)					6	6
b)					4	4
7 a)					5	5
b)					5	5
Total	0	0	24	22	19	70

Total	34	36	24	22	19	140
-------	----	----	----	----	----	-----

Table No.3.7.1.14 Assessment of Assignment Question paper

Assignment 1 Marks --> COs						
	CO 1	CO2	CO3	CO4	CO5	Total
	1	1	1	1	1	5
Total	1	1	1	1	1	5

Assignment 2 Marks --> COs						
	CO1	CO2	CO3	CO4	CO5	Total
	1	1	1	1	1	5
Total	1	1	1	1	1	5

Total	2	2	2	2	2	10
-------	---	---	---	---	---	----

Table No.3.7.1.15 Regulation weightage marks

R-23 Regulation Weightage of Marks		
Final exam	Internal tests	Ass/Quiz
70	25	5
0.7	0.25	0.05

Table No.3.7.1.16 percentage weightages for each CO

Weightage marks for each CO						
	CO 1	CO 2	CO 3	CO 4	CO 5	Total
EM	17	9	34	32	32	120

IM	34	36	24	22	19	140
AM	2	2	2	2	2	10

% Weightage of each CO						
	CO 1	CO 2	CO 3	CO 4	CO 5	Total
EM (%)	14.17	7.5	28.33	26.67	26.67	100
IM (%)	24.29	25.71	17.14	15.71	13.57	100
AM (%)	20	20	20	20	20	100
Avg	16.99	12.68	25.12	23.60	23.06	102

Table No.3.7.1.17 Attainment of percentage weightages for each CO of each student (Electronic Circuits Analysis)

Table No.3.7.1.18 percentage weightages for each CO for the course (Electronic Circuits Analysis)

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
1	23091A0402	17.8	5	22.8	65.8	43	71.2	100	61.43	67.19	69.43	64.63	64.69	64.54
2	23091A0403	13.8	5	18.8	54.8	36	55.2	100	51.43	55.64	57.17	54.01	54.12	54.09
3	23091A0404	16	5	21	46	25	64	100	35.71	49.61	55.13	43.10	43.15	42.66
4	23091A0405	16.6	5	21.6	64.6	43	66.4	100	61.43	65.48	66.99	63.81	63.89	63.83
5	23091A0406	21.6	5	26.6	89.6	63	86.4	100	90.00	89.30	88.96	89.78	89.82	89.90
6	23091A0407	23.2	5	28.2	94.2	66	92.8	100	94.29	94.09	93.98	94.26	94.28	94.31
7	23091A0408	11.6	5	16.6	42.6	26	46.4	100	37.14	44.15	46.79	41.22	41.35	41.23
8	23091A0409	17.2	5	22.2	59.2	37	68.8	100	52.86	61.33	64.66	57.45	57.51	57.25
9	23091A0410	18	5	23	69	46	72	100	65.71	69.98	71.61	68.15	68.21	68.13
10	23091A0411	14.2	5	19.2	46.2	27	56.8	100	38.57	48.70	52.66	44.13	44.21	43.92
11	23091A0412	18.2	5	23.2	36.2	13	72.8	100	18.57	42.75	52.49	31.07	31.05	30.08
12	23091A0413	11	5	16	33	17	44	100	24.29	35.79	40.25	30.66	30.78	30.47
13	23091A0414	15.6	5	20.6	51.6	31	62.4	100	44.29	54.04	57.86	49.59	49.66	49.37
14	23091A0415	18.8	5	23.8	73.8	50	75.2	100	71.43	74.46	75.59	73.21	73.27	73.22
15	23091A0416	10	5	15	31	16	40	100	22.86	33.52	37.63	28.85	28.98	28.72
16	23091A0417	16.4	5	21.4	62.4	41	65.6	100	58.57	63.52	65.40	61.42	61.50	61.40
17	23091A0418	18.8	5	23.8	60.8	37	75.2	100	52.86	63.62	67.90	58.55	58.58	58.19
18	23091A0419	19	5	24	80	56	76	100	80.00	79.75	79.55	80.11	80.18	80.28
19	23091A0420	9.8	4.5	14.3	27.3	13	39.2	90	18.57	30.15	34.66	24.93	25.03	24.70

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
20	23091A0421	19.8	5	24.8	57.8	33	79.2	100	47.14	61.71	67.57	54.72	54.72	54.15
21	23091A0422	11.6	5	16.6	41.6	25	46.4	100	35.71	43.32	46.20	40.10	40.22	40.07
22	23091A0423	22.6	5	27.6	77.6	50	90.4	100	71.43	79.89	83.30	75.80	75.80	75.46
23	23091A0424	12.2	5	17.2	51.2	34	48.8	100	48.57	51.68	52.74	50.66	50.79	50.84
24	23091A0425	17.6	5	22.6	71.6	49	70.4	100	70.00	71.91	72.57	71.26	71.34	71.36
25	23091A0426	15.4	5	20.4	37.4	17	61.6	100	24.29	42.08	49.18	33.67	33.71	33.06
26	23091A0427	19.6	5	24.6	63.6	39	78.4	100	55.71	66.43	70.71	61.35	61.37	60.97
27	23091A0428	20	5	25	85	60	80	100	85.71	84.51	83.94	85.31	85.37	85.49
28	23091A0429	21.8	5	26.8	86.8	60	87.2	100	85.71	87.09	87.59	86.54	86.57	86.55
29	23091A0430	21.2	5	26.2	80.2	54	84.8	100	77.14	81.22	82.83	79.36	79.39	79.26
30	23091A0431	19.8	5	24.8	62.8	38	79.2	100	54.29	65.88	70.52	60.36	60.37	59.93
31	23091A0432	12.2	5	17.2	30.2	13	48.8	100	18.57	34.17	40.32	26.97	27.06	26.55
32	23091A0433	17.2	5	22.2	64.2	42	68.8	100	60.00	65.50	67.62	63.09	63.16	63.03
33	23091A0434	14.8	5	19.8	45.8	26	59.2	100	37.14	48.73	53.28	43.41	43.48	43.11
34	23091A0435	9.6	5	14.6	16.6	2	38.4	100	2.86	21.28	28.54	12.79	12.89	12.30
35	23091A0436	17.4	5	22.4	69.4	47	69.6	100	67.14	69.96	70.98	68.87	68.94	68.93
36	23091A0437	11.6	5	16.6	42.6	26	46.4	100	37.14	44.15	46.79	41.22	41.35	41.23
37	23091A0438	18.4	5	23.4	66.4	43	73.6	100	61.43	68.05	70.64	65.04	65.09	64.89
38	23091A0439	20	5	25	77	52	80	100	74.29	77.84	79.21	76.28	76.33	76.24
39	23091A0440	11.6	5	16.6	41.6	25	46.4	100	35.71	43.32	46.20	40.10	40.22	40.07
40	23091A0441	19.8	5	24.8	80.8	56	79.2	100	80.00	80.89	81.17	80.66	80.71	80.75
41	23091A0442	15.8	5	20.8	60.8	40	63.2	100	57.14	61.83	63.59	59.88	59.97	59.89
42	23091A0443	21	5	26	74	48	84	100	68.57	75.94	78.87	72.45	72.47	72.20
43	23091A0444	17	5	22	68	46	68	100	65.71	68.55	69.58	67.47	67.55	67.54
44	23091A0445	16.6	5	21.6	63.6	42	66.4	100	60.00	64.64	66.40	62.68	62.76	62.68
45	23091A0446	23.8	5	28.8	94.8	66	95.2	100	94.29	94.95	95.20	94.67	94.68	94.67
46	23091A0447	15.4	5	20.4	57.4	37	61.6	100	52.86	58.76	61.01	56.23	56.31	56.19
47	23091A0448	18.8	5	23.8	78.8	55	75.2	100	78.57	78.63	78.55	78.85	78.92	79.00
48	23091A0449	21.4	5	26.4	73.4	47	85.6	100	67.14	75.67	79.09	71.60	71.61	71.28

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
49	23091A0450	18	5	23	59	36	72	100	51.43	61.64	65.69	56.87	56.91	56.56
50	23091A0451	13.8	5	18.8	62.8	44	55.2	100	62.86	62.31	61.90	63.03	63.16	63.34
51	23091A0452	16.4	5	21.4	65.4	44	65.6	100	62.86	66.02	67.18	64.80	64.89	64.87
52	23091A0453	20.8	5	25.8	81.8	56	83.2	100	80.00	82.32	83.20	81.34	81.38	81.34
53	23091A0454	9.6	5	14.6	48.6	34	38.4	100	48.57	47.96	47.47	48.88	49.06	49.31
54	23091A0455	21	5	26	80	54	84	100	77.14	80.94	82.42	79.22	79.25	79.14
55	23091A0456	5.8	5	10.8	13.8	3	23.2	100	4.29	16.68	21.43	11.32	11.49	11.22
56	23091A0458	16	4.5	20.5	48.5	28	64	90	40.00	51.52	56.11	46.09	46.12	45.70
57	23091A0459	17.8	5	22.8	71.8	49	71.2	100	70.00	72.19	72.97	71.40	71.47	71.48
58	23091A0460	14.2	5	19.2	48.2	29	56.8	100	41.43	50.37	53.84	46.38	46.47	46.23
59	23091A0461	23.4	5	28.4	93.4	65	93.6	100	92.86	93.54	93.80	93.27	93.28	93.28
60	23091A0462	20.4	5	25.4	81.4	56	81.6	100	80.00	81.75	82.39	81.07	81.11	81.10
61	23091A0463	7.2	5	12.2	16.2	4	28.8	100	5.71	19.52	24.86	13.41	13.55	13.20
62	23091A0464	19.2	4.5	23.7	62.7	39	76.8	90	55.71	65.27	69.11	60.68	60.68	60.30
63	23091A0465	18.4	5	23.4	73.4	50	73.6	100	71.43	73.89	74.78	72.94	73.00	72.99
64	23091A0466	19.6	5	24.6	78.6	54	78.4	100	77.14	78.94	79.58	78.27	78.32	78.32
65	24095A0401	23.6	5	28.6	90.6	62	94.4	100	88.57	91.33	92.43	90.02	90.03	89.92
66	24095A0406	18.8	5	23.8	63.8	40	75.2	100	57.14	66.12	69.68	61.93	61.97	61.66
67	24095A0408	15.8	5	20.8	53.8	33	63.2	100	47.14	55.99	59.45	51.99	52.06	51.80
68	24095A0409	22.8	5	27.8	67.8	40	91.2	100	57.14	71.84	77.79	64.66	64.63	64.01
69	24095A0410	22.8	5	27.8	85.8	58	91.2	100	82.86	86.85	88.44	84.96	84.97	84.83
70	24095A0411	24	5	29	96	67	96	100	95.71	96.07	96.20	95.93	95.94	95.94
71	24095A0412	22.8	5	27.8	89.8	62	91.2	100	88.57	90.18	90.81	89.47	89.49	89.45
72	22091A04E2	11	5	16	41	25	44	100	35.71	42.46	44.99	39.69	39.82	39.72
73	23091A0467	22	5	27	77	50	88	100	71.43	79.03	82.08	75.39	75.40	75.11
74	23091A0468	17	5	22	65	43	68	100	61.43	66.05	67.80	64.09	64.16	64.07
75	23091A0469	15.6	5	20.6	63.6	43	62.4	100	61.43	64.05	64.96	63.13	63.23	63.24
76	23091A0470	17.8	5	22.8	68.8	46	71.2	100	65.71	69.69	71.20	68.02	68.08	68.01
77	23091A0471	10.8	5	15.8	50.8	35	43.2	100	50.00	50.51	50.50	50.83	50.99	51.17

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
78	23091A0472	19.8	5	24.8	77.8	53	79.2	100	75.71	78.39	79.40	77.28	77.32	77.28
79	23091A0473	16.8	5	21.8	66.8	45	67.2	100	64.29	67.43	68.58	66.20	66.28	66.26
80	23091A0474	11.6	5	16.6	50.6	34	46.4	100	48.57	50.82	51.53	50.25	50.39	50.48
81	23091A0475	11.6	4	15.6	31.6	16	46.4	80	22.86	34.63	39.30	29.15	29.20	28.80
82	23091A0476	14	5	19	48	29	56	100	41.43	50.08	53.44	46.25	46.34	46.11
83	23091A0477	5.4	5	10.4	37.4	27	21.6	100	38.57	36.12	34.81	38.12	38.35	38.74
84	23091A0478	22.8	5	27.8	85.8	58	91.2	100	82.86	86.85	88.44	84.96	84.97	84.83
85	23091A0479	15.2	5	20.2	58.2	38	60.8	100	54.29	59.30	61.19	57.22	57.31	57.23
86	23091A0480	20	5	25	70	45	80	100	64.29	72.00	75.07	68.39	68.42	68.15
87	23091A0481	19.6	5	24.6	78.6	54	78.4	100	77.14	78.94	79.58	78.27	78.32	78.32
88	23091A0482	11.6	5	16.6	49.6	33	46.4	100	47.14	49.99	50.94	49.12	49.26	49.33
89	23091A0483	18.2	5	23.2	81.2	58	72.8	100	82.86	80.27	79.11	81.82	81.91	82.12
90	23091A0484	20.8	5	25.8	83.8	58	83.2	100	82.86	83.99	84.38	83.60	83.64	83.65
91	23091A0485	14.6	5	19.6	57.6	38	58.4	100	54.29	58.45	59.98	56.81	56.91	56.87
92	23091A0486	20	5	25	80	55	80	100	78.57	80.34	80.99	79.67	79.72	79.71
93	23091A0487	17.8	5	22.8	60.8	38	71.2	100	54.29	63.02	66.47	58.99	59.04	58.76
94	23091A0488	16.6	5	21.6	52.6	31	66.4	100	44.29	55.47	59.89	50.28	50.33	49.96
95	23091A0489	14.4	5	19.4	46.4	27	57.6	100	38.57	48.99	53.06	44.26	44.34	44.04
96	23091A0490	22	5	27	77	50	88	100	71.43	79.03	82.08	75.39	75.40	75.11
97	23091A0491	22	5	27	85	58	88	100	82.86	85.70	86.82	84.42	84.44	84.36
98	23091A0492	16.4	5	21.4	57.4	36	65.6	100	51.43	59.35	62.45	55.78	55.85	55.62
99	23091A0493	12	5	17	63	46	48	100	65.71	61.40	59.44	64.06	64.22	64.59
100	23091A0494	19.8	5	24.8	69.8	45	79.2	100	64.29	71.72	74.66	68.25	68.28	68.03
101	23091A0495	19	5	24	66	42	76	100	60.00	68.07	71.27	64.32	64.36	64.09
102	23091A0496	20.6	5	25.6	86.6	61	82.4	100	87.14	86.20	85.75	86.85	86.90	87.00
103	23091A0497	17.6	5	22.6	59.6	37	70.4	100	52.86	61.90	65.47	57.73	57.78	57.48
104	23091A0498	13.8	5	18.8	49.8	31	55.2	100	44.29	51.47	54.21	48.37	48.46	48.31
105	23091A0499	20.8	5	25.8	67.8	42	83.2	100	60.00	70.65	74.92	65.55	65.56	65.15
106	23091A04A0	19.6	5	24.6	79.6	55	78.4	100	78.57	79.77	80.17	79.40	79.45	79.48

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
107	23091A04A1	18.8	5	23.8	52.8	29	75.2	100	41.43	56.95	63.17	49.52	49.53	48.94
108	23091A04A2	13	5	18	47	29	52	100	41.43	48.65	51.41	45.56	45.67	45.52
109	23091A04A3	11.6	5	16.6	42.6	26	46.4	100	37.14	44.15	46.79	41.22	41.35	41.23
110	23091A04A4	20	5	25	69	44	80	100	62.86	71.17	74.48	67.26	67.29	66.99
111	23091A04A5	7.8	5	12.8	30.8	18	31.2	100	25.71	32.05	34.35	29.61	29.78	29.74
112	23091A04A6	17	5	22	52	30	68	100	42.86	55.21	60.11	49.42	49.47	49.03
113	23091A04A8	17.8	5	22.8	63.8	41	71.2	100	58.57	65.52	68.24	62.38	62.43	62.23
114	23091A04A9	19	5	24	57	33	76	100	47.14	60.57	65.94	54.17	54.19	53.68
115	23091A04B0	22.8	5	27.8	73.8	46	91.2	100	65.71	76.84	81.34	71.43	71.41	70.95
116	23091A04B1	13.6	5	18.6	46.6	28	54.4	100	40.00	48.68	52.03	44.85	44.94	44.72
117	23091A04B2	21.8	5	26.8	77.8	51	87.2	100	72.86	79.58	82.27	76.38	76.40	76.14
118	23091A04B3	8.4	4	12.4	25.4	13	33.6	80	18.57	27.56	31.04	23.58	23.68	23.45
119	23091A04B4	10.4	5	15.4	48.4	33	41.6	100	47.14	48.27	48.50	48.30	48.46	48.62
120	23091A04B5	6.6	5	11.6	48.6	37	26.4	100	52.86	46.18	43.16	50.22	50.45	51.01
121	23091A04B6	20.6	5	25.6	62.6	37	82.4	100	52.86	66.19	71.55	59.77	59.77	59.25
122	23091A04B7	17	5	22	55	33	68	100	47.14	57.71	61.89	52.81	52.86	52.50
123	23091A04B8	18.4	5	23.4	66.4	43	73.6	100	61.43	68.05	70.64	65.04	65.09	64.89
124	23091A04B9	14.8	5	19.8	62.8	43	59.2	100	61.43	62.90	63.34	62.58	62.69	62.77
125	23091A04C0	16	5	21	72	51	64	100	72.86	71.29	70.51	72.43	72.53	72.73
126	23091A04C1	21.8	5	26.8	61.8	35	87.2	100	50.00	66.24	72.81	58.34	58.31	57.64
127	23091A04C2	22.4	5	27.4	73.4	46	89.6	100	65.71	76.27	80.53	71.15	71.14	70.72
128	23091A04C3	11.6	5	16.6	43.6	27	46.4	100	38.57	44.99	47.39	42.35	42.48	42.39
129	23091A04C4	15.8	5	20.8	49.8	29	63.2	100	41.43	52.66	57.09	47.47	47.54	47.17
130	23091A04C5	18.8	5	23.8	80.8	57	75.2	100	81.43	80.30	79.74	81.11	81.18	81.32
131	23091A04C6	18.4	5	23.4	70.4	47	73.6	100	67.14	71.38	73.01	69.55	69.61	69.52
132	23091A04C7	9	4	13	13	0	36	80	0.00	17.58	24.56	9.33	9.38	8.77
133	23091A04C8	22.8	5	27.8	81.8	54	91.2	100	77.14	83.51	86.07	80.45	80.45	80.20
134	23091A04C9	20.8	5	25.8	90.8	65	83.2	100	92.86	89.83	88.52	91.49	91.55	91.75
135	23091A04D0	22.6	5	27.6	84.6	57	90.4	100	81.43	85.73	87.44	83.70	83.71	83.55

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
136	23091A04D1	11.6	5	16.6	28.6	12	46.4	100	17.14	32.48	38.51	25.43	25.53	25.04
137	24095A0405	15.6	5	20.6	45.6	25	62.4	100	35.71	49.04	54.32	42.83	42.88	42.43
138	24095A0419	20.8	5	25.8	80.8	55	83.2	100	78.57	81.49	82.61	80.21	80.25	80.18
139	24095A0422	17.8	5	22.8	58.8	36	71.2	100	51.43	61.35	65.28	56.74	56.78	56.44
140	24095A0423	23	5	28	78	50	92	100	71.43	80.46	84.11	76.08	76.06	75.69
141	24095A0424	20.2	5	25.2	70.2	45	80.8	100	64.29	72.29	75.48	68.53	68.55	68.26
142	24095A0425	11.6	5	16.6	49.6	33	46.4	100	47.14	49.99	50.94	49.12	49.26	49.33
143	23091A04D2	12.4	5	17.4	46.4	29	49.6	100	41.43	47.80	50.19	45.15	45.27	45.17
144	23091A04D3	15.2	5	20.2	59.2	39	60.8	100	55.71	60.14	61.79	58.35	58.44	58.38
145	23091A04D4	6.6	5	11.6	21.6	10	26.4	100	14.29	23.66	27.19	19.76	19.94	19.79
146	23091A04D5	22.2	5	27.2	77.2	50	88.8	100	71.43	79.32	82.49	75.53	75.53	75.22
147	23091A04D6	8.8	5	13.8	39.8	26	35.2	100	37.14	40.15	41.12	39.31	39.48	39.58
148	23091A04D7	22.8	5	27.8	93.8	66	91.2	100	94.29	93.52	93.17	93.99	94.01	94.08
149	23091A04D8	17.6	4.5	22.1	82.1	60	70.4	90	85.71	80.49	78.29	83.27	83.35	83.65
150	23091A04D9	9	5	14	56	42	36	100	60.00	53.78	50.99	57.50	57.70	58.20
151	23091A04E1	19	3.5	22.5	71.5	49	76	70	70.00	72.14	73.04	71.02	71.00	70.88
152	23091A04E2	23.8	5	28.8	87.8	59	95.2	100	84.29	89.11	91.06	86.77	86.77	86.57
153	23091A04E3	24	5	29	96	67	96	100	95.71	96.07	96.20	95.93	95.94	95.94
154	23091A04E4	15	5	20	46	26	60	100	37.14	49.01	53.69	43.55	43.61	43.23
155	23091A04E5	15.2	5	20.2	63.2	43	60.8	100	61.43	63.47	64.15	62.86	62.96	63.01
156	23091A04E6	14.2	5	19.2	45.2	26	56.8	100	37.14	47.87	52.07	43.00	43.08	42.76
157	23091A04E7	19.2	5	24.2	80.2	56	76.8	100	80.00	80.03	79.95	80.25	80.31	80.40
158	23091A04E8	19.6	5	24.6	72.6	48	78.4	100	68.57	73.93	76.03	71.50	71.54	71.38
159	23091A04E9	13.4	4.5	17.9	42.9	25	53.6	90	35.71	45.30	49.06	40.93	40.99	40.70
160	23091A04F0	13.6	5	18.6	29.6	11	54.4	100	15.71	34.50	41.98	25.67	25.73	25.06
161	23091A04F1	13.4	5	18.4	36.4	18	53.6	100	25.71	40.05	45.71	33.43	33.51	33.04
162	23091A04F2	19	5	24	73	49	76	100	70.00	73.91	75.41	72.22	72.27	72.18
163	23091A04F3	22.8	5	27.8	86.8	59	91.2	100	84.29	87.68	89.03	86.09	86.10	85.98
164	23091A04F4	6.6	5	11.6	15.6	4	26.4	100	5.71	18.66	23.64	13.00	13.15	12.85

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
165	23091A04F5	14.2	5	19.2	60.2	41	56.8	100	58.57	60.38	60.94	59.92	60.03	60.11
166	23091A04F6	13.8	5	18.8	67.8	49	55.2	100	70.00	66.48	64.86	68.67	68.81	69.12
167	23091A04F8	16.8	5	21.8	49.8	28	67.2	100	40.00	53.25	58.52	47.03	47.07	46.60
168	23091A04F9	23	5	28	89	61	92	100	87.14	89.64	90.62	88.48	88.50	88.42
169	23091A04G0	18.4	5	23.4	70.4	47	73.6	100	67.14	71.38	73.01	69.55	69.61	69.52
170	23091A04G1	23.6	5	28.6	81.6	53	94.4	100	75.71	83.82	87.10	79.87	79.85	79.52
171	23091A04G2	11	4	15	43	28	44	80	40.00	43.78	45.18	42.27	42.36	42.32
172	23091A04G3	24	5	29	88	59	96	100	84.29	89.40	91.46	86.91	86.90	86.69
173	23091A04G5	11.8	5	16.8	34.8	18	47.2	100	25.71	37.77	42.47	32.34	32.44	32.10
174	23091A04G6	8.4	5	13.4	39.4	26	33.6	100	37.14	39.58	40.30	39.04	39.22	39.35
175	23091A04G7	8.4	5	13.4	19.4	6	33.6	100	8.57	22.90	28.47	16.48	16.61	16.22
176	23091A04G8	19.6	5	24.6	57.6	33	78.4	100	47.14	61.43	67.16	54.58	54.59	54.03
177	23091A04G9	11.6	5	16.6	54.6	38	46.4	100	54.29	54.16	53.89	54.76	54.91	55.11
178	23091A04H0	16.8	4.5	21.3	55.3	34	67.2	90	48.57	57.67	61.28	53.40	53.43	53.11
179	23091A04H1	18.8	5	23.8	54.8	31	75.2	100	44.29	58.61	64.35	51.78	51.79	51.25
180	23091A04H2	6.2	5	11.2	23.2	12	24.8	100	17.14	24.76	27.56	21.75	21.93	21.86
181	23091A04H3	12.4	5	17.4	26.4	9	49.6	100	12.86	31.12	38.36	22.60	22.67	22.04
182	23091A04H4	12.2	4.5	16.7	41.7	25	48.8	90	35.71	43.59	46.63	40.11	40.19	39.99
183	23091A04H5	14	5	19	51	32	56	100	45.71	52.59	55.21	49.63	49.73	49.58
184	23091A04H6	8.8	4	12.8	38.8	26	35.2	80	37.14	38.97	39.54	38.52	38.64	38.72
185	23091A04H7	21.8	5	26.8	69.8	43	87.2	100	61.43	72.91	77.54	67.36	67.35	66.89
186	23091A04H8	20.6	3.5	24.1	77.1	53	82.4	70	75.71	77.77	78.65	76.63	76.59	76.45
187	23091A04H9	16.8	5	21.8	52.8	31	67.2	100	44.29	55.75	60.30	50.41	50.46	50.07
188	23091A04J0	20.2	5	25.2	72.2	47	80.8	100	67.14	73.96	76.66	70.78	70.81	70.58
189	23091A04J1	12.8	5	17.8	42.8	25	51.2	100	35.71	45.03	48.64	40.92	41.02	40.78
190	23091A04J2	21.6	5	26.6	88.6	62	86.4	100	88.57	88.47	88.37	88.66	88.69	88.75
191	23091A04J3	9	5	14	41	27	36	100	38.57	41.27	42.11	40.58	40.75	40.86
192	23091A04J4	17.8	5	22.8	59.8	37	71.2	100	52.86	62.19	65.88	57.86	57.91	57.60
193	23091A04J5	21.2	5	26.2	74.2	48	84.8	100	68.57	76.22	79.28	72.59	72.61	72.32

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
194	23091A04J6	7.6	5	12.6	37.6	25	30.4	100	35.71	37.60	38.09	37.37	37.55	37.72
195	23091A04J7	10.2	5	15.2	45.2	30	40.8	100	42.86	45.49	46.32	44.78	44.94	45.03
196	23091A04J8	15.2	3.5	18.7	58.7	40	60.8	70	57.14	59.21	60.01	58.28	58.30	58.24
197	23091A04J9	22.4	5	27.4	77.4	50	89.6	100	71.43	79.60	82.90	75.67	75.66	75.34
198	23091A04K0	12.2	5	17.2	42.2	25	48.8	100	35.71	44.18	47.42	40.51	40.62	40.43
199	23091A04K1	22.8	5	27.8	70.8	43	91.2	100	61.43	74.34	79.57	68.04	68.02	67.48
200	23091A04K2	23.8	5	28.8	89.8	61	95.2	100	87.14	90.78	92.24	89.03	89.03	88.89
201	23091A04K3	18.6	5	23.6	53.6	30	74.4	100	42.86	57.49	63.36	50.51	50.53	49.98
202	23091A04K4	6.6	5	11.6	40.6	29	26.4	100	41.43	39.51	38.43	41.20	41.41	41.76
203	23091A04K5	12.8	5	17.8	46.8	29	51.2	100	41.43	48.37	51.00	45.43	45.54	45.41
204	23091A04K6	18	5	23	77	54	72	100	77.14	76.65	76.34	77.18	77.26	77.38
205	24095A0413	14.4	5	19.4	54.4	35	57.6	100	50.00	55.66	57.80	53.29	53.38	53.29
206	24095A0414	19.2	5	24.2	82.2	58	76.8	100	82.86	81.70	81.14	82.51	82.58	82.71
207	24095A0415	8.6	5	13.6	22.6	9	34.4	100	12.86	25.69	30.65	20.00	20.14	19.81
208	24095A0418	20	5	25	77	52	80	100	74.29	77.84	79.21	76.28	76.33	76.24
209	24095A0421	19.6	5	24.6	74.6	50	78.4	100	71.43	75.60	77.22	73.76	73.80	73.69
210	24095A0428	9.8	5	14.8	23.8	9	39.2	100	12.86	27.40	33.09	20.82	20.94	20.51
211	21091A04N6	10.4	5	15.4	41.4	26	41.6	100	37.14	42.44	44.36	40.41	40.55	40.52
212	22091A04M4	14.2	5	19.2	52.2	33	56.8	100	47.14	53.71	56.21	50.89	50.99	50.86
213	22091A04P2	23.6	5	28.6	91.6	63	94.4	100	90.00	92.16	93.02	91.15	91.16	91.08
214	23091A04K7	10.8	5	15.8	26.8	11	43.2	100	15.71	30.50	36.30	23.76	23.86	23.41
215	23091A04K8	18	5	23	69	46	72	100	65.71	69.98	71.61	68.15	68.21	68.13
216	23091A04K9	14	5	19	55	36	56	100	51.43	55.92	57.58	54.14	54.25	54.21
217	23091A04M0	9	5	14	29	15	36	100	21.43	31.26	35.01	27.04	27.18	26.98
218	23091A04M1	16.4	5	21.4	75.4	54	65.6	100	77.14	74.36	73.09	76.08	76.19	76.44
219	23091A04M2	11	5	16	54	38	44	100	54.29	53.30	52.68	54.35	54.51	54.75
220	23091A04M3	16.6	5	21.6	61.6	40	66.4	100	57.14	62.97	65.22	60.43	60.50	60.36
221	23091A04M4	14.6	5	19.6	61.6	42	58.4	100	60.00	61.78	62.34	61.32	61.43	61.50
222	23091A04M5	18.4	5	23.4	75.4	52	73.6	100	74.29	75.55	75.97	75.19	75.26	75.30

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
223	23091A04M6	14.8	5	19.8	65.8	46	59.2	100	65.71	65.40	65.12	65.97	66.08	66.24
224	23091A04M7	21	5	26	76	50	84	100	71.43	77.60	80.06	74.71	74.73	74.52
225	23091A04M8	7	5	12	20	8	28	100	11.43	22.56	26.82	17.78	17.94	17.71
226	23091A04M9	14	5	19	59	40	56	100	57.14	59.26	59.94	58.65	58.77	58.83
227	23091A04N0	13.8	5	18.8	58.8	40	55.2	100	57.14	58.97	59.54	58.52	58.64	58.72
228	23091A04N1	5.8	5	10.8	10.8	0	23.2	100	0.00	14.18	19.65	7.94	8.10	7.75
229	23091A04N2	5	5	10	11	1	20	100	1.43	13.87	18.62	8.52	8.70	8.44
230	23091A04N3	20.8	5	25.8	86.8	61	83.2	100	87.14	86.49	86.16	86.98	87.03	87.12
231	23091A04N4	21.8	5	26.8	87.8	61	87.2	100	87.14	87.92	88.19	87.66	87.70	87.71
232	23091A04N5	9.6	5	14.6	43.6	29	38.4	100	41.43	43.79	44.51	43.24	43.41	43.52
233	23091A04N6	16	5	21	69	48	64	100	68.57	68.79	68.73	69.04	69.14	69.26
234	23091A04N7	14	5	19	55	36	56	100	51.43	55.92	57.58	54.14	54.25	54.21
235	23091A04N8	19.2	5	24.2	66.2	42	76.8	100	60.00	68.36	71.67	64.46	64.49	64.21
236	23091A04N9	13	5	18	18	0	52	100	0.00	24.47	34.25	12.85	12.90	11.99
237	23091A04P0	9.6	5	14.6	20.6	6	38.4	100	8.57	24.61	30.91	17.30	17.41	16.93
238	23091A04P1	10.2	5	15.2	20.2	5	40.8	100	7.14	24.64	31.53	16.58	16.68	16.12
239	23091A04P2	15.6	5	20.6	55.6	35	62.4	100	50.00	57.37	60.23	54.11	54.18	53.99
240	23091A04P3	10.2	5	15.2	19.2	4	40.8	100	5.71	23.80	30.94	15.45	15.55	14.97
241	23091A04P4	14.8	5	19.8	45.8	26	59.2	100	37.14	48.73	53.28	43.41	43.48	43.11
242	23091A04P5	11.6	5	16.6	42.6	26	46.4	100	37.14	44.15	46.79	41.22	41.35	41.23
243	23091A04P6	19	5	24	72	48	76	100	68.57	73.08	74.82	71.09	71.14	71.03
244	23091A04P8	12.4	5	17.4	50.4	33	49.6	100	47.14	51.13	52.56	49.67	49.79	49.80
245	23091A04P9	12.6	5	17.6	47.6	30	50.4	100	42.86	48.92	51.19	46.42	46.53	46.45
246	23091A04Q0	16.6	5	21.6	68.6	47	66.4	100	67.14	68.81	69.36	68.32	68.41	68.46
247	23091A04Q1	17.4	5	22.4	73.4	51	69.6	100	72.86	73.29	73.35	73.38	73.47	73.55
248	23091A04Q2	12.2	5	17.2	46.2	29	48.8	100	41.43	47.51	49.79	45.02	45.14	45.05
249	23091A04Q4	10	5	15	42	27	40	100	38.57	42.70	44.14	41.26	41.41	41.45
250	23091A04Q5	15.8	5	20.8	56.8	36	63.2	100	51.43	58.49	61.23	55.37	55.45	55.27
251	23091A04Q6	8.4	5	13.4	23.4	10	33.6	100	14.29	26.23	30.84	20.99	21.13	20.84

S.No	Reg.No.	Internal marks	Assignment marks	Final Internal marks	Total Final Marks	External Marks	% of IM	% of AM	% of EM	CO 1	CO 2	CO 3	CO 4	CO 5
252	23091A04Q8	14.6	5	19.6	63.6	44	58.4	100	62.86	63.45	63.53	63.58	63.69	63.81
253	23091A04Q9	15.2	5	20.2	52.2	32	60.8	100	45.71	54.30	57.65	50.45	50.53	50.29
254	23091A04R1	11.2	5	16.2	34.2	18	44.8	100	25.71	36.91	41.25	31.93	32.04	31.74
255	23091A04R2	10.8	5	15.8	46.8	31	43.2	100	44.29	47.18	48.13	46.32	46.47	46.54
256	23091A04R3	14.2	5	19.2	59.2	40	56.8	100	57.14	59.54	60.35	58.79	58.90	58.95
257	23091A04R4	17	5	22	64	42	68	100	60.00	65.21	67.21	62.96	63.03	62.91
258	23091A04R5	6	5	11	25	14	24	100	20.00	26.14	28.34	23.87	24.06	24.06
259	23091A04R7	21.4	5	26.4	86.4	60	85.6	100	85.71	86.51	86.78	86.26	86.30	86.32
260	23091A04R8	22	5	27	84	57	88	100	81.43	84.87	86.23	83.29	83.31	83.20
261	23091A04T0	15.4	5	20.4	60.4	40	61.6	100	57.14	61.26	62.78	59.61	59.70	59.66
262	23091A04T1	12.4	5	17.4	51.4	34	49.6	100	48.57	51.97	53.15	50.79	50.92	50.95
263	23091A04T2	17.8	5	22.8	71.8	49	71.2	100	70.00	72.19	72.97	71.40	71.47	71.48
264	23091A04T3	6.6	5	11.6	28.6	17	26.4	100	24.29	29.50	31.33	27.66	27.85	27.88
265	23091A04T4	10.4	5	15.4	40.4	25	41.6	100	35.71	41.60	43.77	39.28	39.42	39.37
266	23091A04T5	7.2	5	12.2	27.2	15	28.8	100	21.43	28.69	31.36	25.81	25.99	25.92
267	23091A04T6	10	5	15	40	25	40	100	35.71	41.03	42.96	39.00	39.15	39.13
268	23091A04T7	19.4	5	24.4	68.4	44	77.6	100	62.86	70.31	73.26	66.85	66.89	66.64
269	23091A04T8	23.2	5	28.2	81.2	53	92.8	100	75.71	83.25	86.29	79.60	79.59	79.28
270	23091A04T9	20.4	5	25.4	80.4	55	81.6	100	78.57	80.92	81.80	79.94	79.98	79.95
271	24095A0402	21.6	5	26.6	74.6	48	86.4	100	68.57	76.79	80.09	72.86	72.87	72.56
272	24095A0404	21.6	5	26.6	80.6	54	86.4	100	77.14	81.80	83.64	79.63	79.65	79.50
273	24095A0407	20.8	5	25.8	80.8	55	83.2	100	78.57	81.49	82.61	80.21	80.25	80.18
274	24095A0416	11.2	5	16.2	41.2	25	44.8	100	35.71	42.75	45.39	39.82	39.95	39.84
275	24095A0417	23.6	5	28.6	86.6	58	94.4	100	82.86	87.99	90.06	85.51	85.51	85.30
276	24095A0420	15.8	5	20.8	63.8	43	63.2	100	61.43	64.33	65.37	63.27	63.36	63.36

	CO 1		CO 2		CO 3		CO 4		CO 5	
	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points	No. of students Attained	Weightage Points
≥= 53%	180	3	191	3	168	3	168	3	168	3

40% to 53%	56	2	51	2	61	2	61	2	60	2
<40%	40	1	34	1	47	1	47	1	48	1
Total No. of students	276		276		276		276		276	
Attainment value		2.51		2.57		2.44		2.44		2.43
% of Attainment		65.22		69.20		60.87		60.87		60.87
Attained or not		YES		YES		YES		YES		YES

Table No.3.7.1.19 percentage weightages for each PO for the course (Electronic Circuits Analysis)

CO	CO Attainment Value	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	2.51	3	1	0	0	0	0	0	0	0	0	0	0
CO 2	2.57	3	2	0	0	0	0	0	0	0	0	0	0
CO 3	2.44	3	3	0	2	1	0	0	0	0	0	0	0
CO 4	2.44	3	3	2	2	2	0	0	0	0	0	1	0
CO 5	2.43	3	3	3	2	2	0	0	0	0	0	2	0
ECA		2.48	2.46	2.44	2.44	2.44	-	-	-	-	-	2.44	-

Table No.3.7.1.20 percentage weightages for each PSO for the course (Electronic Circuits Analysis)

CO	CO Attainment Value	PSO 1	PSO 2	PSO 3
CO 1	2.51	3	1	0
CO 2	2.57	3	2	0
CO 3	2.44	3	3	1
CO 4	2.44	3	3	2
CO 5	2.43	3	3	3
ELECTRONIC CIRCUITS ANALYSIS		2.48	2.46	2.44

College Code: 09

R-23

Rajeev Gandhi Memorial College of Engineering & Technology

(Autonomous)

06-02-2025

II-B.Tech II-Semester (R23) Mid-I Examinations (2023 Batch)

ELECTRONIC CIRCUITS ANALYSIS (A0408234)

(ECE)

Time: 2 Hours

Max Marks: 25

Note: 1. Answer **FIRST** question compulsorily.

(5 x 2.0 = 10 Marks)

2. Answer Any **THREE** questions (Any one from 2 or 3, 4 or 5, 6 or 7). (3 x 10.0 = 30 Marks)

Q.No		M	CO	BL
Q.1	a)	2M	CO1	BL2
	b)	2M	CO1	BL1
	c)	2M	CO2	BL2
	d)	2M	CO2	BL2
	e)	2M	CO2	BL4

Unit-I

Q.2	a)	3M	CO1	BL1
	b)	7M	CO1	BL3
OR				
Q.3	a)	5M	CO1	BL3
	b)	5M	CO1	BL3

Unit-II

Q.4	a)	5M	CO2	BL2
	b)	5M	CO2	BL4
OR				
Q.5	a)	6M	CO2	BL2
	b)	4M	CO2	BL3

College Code: 09

R-23

Rajeev Gandhi Memorial College of Engineering & Technology

(Autonomous)

07-04-2025

II-B.Tech II-Semester (R23) Mid-II Examinations (2023 Batch)

ELECTRONIC CIRCUITS ANALYSIS (A0408234)

(ECE)

Time: 2 Hours

Max Marks: 25

Note: 1. Answer FIRST question compulsorily.

(5 x 2.0 = 10 Marks)

2. Answer Any THREE questions (Any one from 2 or 3, 4 or 5, 6 or 7).

(3 x 10.0 = 30 Marks)

Q.No		M	CO	BL
Q.1	a)	2M	CO3	BL1
	b)	2M	CO4	BL3
	c)	2M	CO5	BL2
	d)	2M	CO3	BL1
	e)	2M	CO5	BL4

Unit-III

Q.2	a)	4M	CO3	BL3
	b)	6M	CO3	BL4
Q.3	a)	5M	CO3	BL2
	b)	5M	CO3	BL2

Unit-IV

Q.4	a)	5M	CO4	BL2
	b)	5M	CO4	BL2
OR				
Q.5	a)	6M	CO4	BL2
	b)	4M	CO4	BL4

Unit-V					
Q.6	a)	Draw the circuit diagram of a double tuned amplifier and explain its frequency response.	6M	CO5	BL2
	b)	A tank circuit has a capacitor of 100 PF and an inductor of 100 μ H. The resistance of the inductor is 52 Ω . Determine (i) resonant frequency (ii) impedance at resonance (iii) Q factor (iv) bandwidth.	4M	CO5	BL3
OR					
Q.7	a)	Derive the expression for the time period of collector coupled astable multivibrator.	5M	CO5	BL4
	b)	Derive the expression for the pulse-width of collector coupled mono stable multivibrator.	5M	CO5	BL3

RGM COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)
 22nd April 2025
H B.Tech. II Sem. (R23) End Examinations (Regular)
ELECTRONIC CIRCUITS ANALYSIS
ECE

Time: 3 Hrs**Total Marks: 70**

Note 1: Answer all in FIRST question [20 Marks]

2: Answer any ONE question from EACH Unit [50 Marks]

SECTION-I

- 1a Draw the circuit of Darlington pair.
- b Voltage gain of a single stage amplifier is 30. Bandwidth is 20 kHz. Two such stages are cascaded. Find the overall voltage gain and bandwidth.
- c Define bandwidth.
- d Why the gain of the amplifier falls off at the high-frequency end?
- e The voltage gain of an amplifier without feedback is 3000. Calculate the voltage gain of the amplifier if negative voltage feedback is introduced in the circuit. Given that feedback fraction $\beta = 0.01$.
- f Draw the basic structure of a feedback amplifier.
- g Define thermal resistance.
- h A BJT has a maximum power dissipation of 2W at ambient temperature of 25°C and maximum junction temperature of 150°C. Find its thermal resistance.
- i Define Q factor.
- j A tuned amplifier has maximum voltage gain at a frequency of 2 MHz and the bandwidth is 50 kHz. Find the Q factor.

SECTION-II**UNIT-I**

- 2 Consider a cascode (CE-Camplifier with circuit parameters $R_b = 1K\Omega$, $R_1 = 200K\Omega$, $R_2 = 10K\Omega$ and $R_3 = 3K\Omega$. The transistors are identical with parameters $h_{ie} = 1.1K\Omega$ and $h_{fe} = 50$. Calculate
 - a) Overall Current Gain [2]
 - b) Overall Input Impedance [3]
 - c) Overall Voltage Gain [2]
 - d) Overall Output Impedance [3]

OR

- 3 Consider a two stage RC coupled amplifier with CE-CE configuration with parameter $R_{B1} = 1K\Omega$, $R_1 = 200K\Omega$, $R_2 = 20K\Omega$, $R_1' = 47K\Omega$, $R_2' = 4.7K\Omega$, $R_{C1} = 15K\Omega$ and $R_{C2} = 4K\Omega$. Assume the transistors are identical with its typical h-parameters of $h_{ie} = 1.1K\Omega$, $h_{fe} = 50$, $h_{re} = 2.4 \times 10^{-4}$ and $h_{oe} = 25\mu A/V$. Determine
 - a) Individual and overall gains of the circuit. [10]
 - b) Individual and overall impedances of the circuit.

UNIT-II

- 4
 - a) Give the Analysis of common Source Amplifier circuit at high frequencies. [5]
 - b) Discuss in detail about the Validity of hybrid- π model. Also give typical values of hybrid- π conductances and capacitances. [5]

OR

Page: 1 of 2

3.7.2 Record the Attainment of Course Outcomes of all Courses with Respect to Set Attainment Levels (20)

Institute Marks : 20.00

Table No.3.7.2.1: CO attainment value using direct assessment tools for A.Y 2024-25

CO Attainment for Academic Year 2024-25							
Sem	Course		CO1	CO2	CO3	CO4	CO5
II-I (2023 Batch) (R23)	Probability and Complex Variables	C201	2.53	2.43	2.38	2.38	2.37
	Universal Human Values – Understanding Harmony and Ethical Human conduct	C202	2.72	2.62	2.64	2.7	2.7
	Signals, Systems and Stochastic Processes	C203	2.53	2.41	2.41	2.37	2.34
	Electronic Devices and Circuits	C204	2.46	2.42	2.43	2.55	2.55
	Digital Circuits Design	C205	2.41	2.43	2.48	2.47	2.43
	Electronic Devices and Circuits Lab	C206	2.83	2.83	2.83	-	-
	Digital Design & Signal Simulation Lab	C207	2.82	2.82	2.82	-	-
	Python Programming (SDC)	C208	2.81	2.81	2.81	-	-
II-II (2023 Batch) (R23)	Managerial Economics and Financial Analysis	C209	2.65	2.54	2.61	2.55	2.56
	Linear Control Systems	C210	2.47	2.47	2.44	2.63	2.43
	EM Waves and Transmission Lines	C211	2.31	2.48	2.29	2.33	2.32
	Electronic Circuits Analysis	C212	2.51	2.57	2.44	2.44	2.43
	Analog and Digital Communications	C213	2.5	2.23	2.39	2.8	2.4
	Electronic Circuits Analysis Lab	C214	2.96	2.96	2.96	-	-
	Analog and Digital Communications Lab	C215	2.84	2.84	2.84	-	-
	Design Thinking and Innovation	C216	2.71	2.68	2.59	2.45	2.61
III-I (2022 Batch) (R20)	Linear and Digital IC Applications	C301	2.2	2.06	2.12	2.06	2.27
	Analog Communication	C302	2.69	2.34	2.49	2.66	3
	Antennas and Wave Propagation	C303	2.69	2.47	2.49	2.63	2.79
	VLSI Design (PE-I)	C304	2.34	2.28	2.23	2.34	2.35
	Control System Engineering (OE-I)	C305	2.33	2.29	2.32	2.3	2.31
	Arduino & MSP 430 Programming (SDC)	C306	2.58	2.35	2.51	2.32	2.44
	Linear and Digital Integrated Circuit Applications Lab	C307	2.76	2.76	2.76	2.76	-
	Analog Communication Lab	C308	2.62	2.62	2.62	-	-
Community Service Project/Summer Internship	C309	2.72	2.72	2.72	2.72	2.72	

III-II (2022 Batch) (R20)	Digital Signal Processing	C310	2.41	2.42	2.46	2.35	2.43
	Microwave Engineering and Optical Communication	C311	2.94	2.64	2.63	2.69	2.78
	Digital Communication	C312	2.4	2.3	2.26	2.48	2.21
	Computer Organization & Architecture (OE-II)	C313	2.48	2.55	2.52	2.46	2.46
	Digital Communication Lab	C314	2.97	2.97	2.97	-	-
	Microwave and Optical Communications Lab	C315	2.94	2.94	2.94	2.94	-
	Digital Signal Processing Lab	C316	2.91	2.91	2.91	-	-
IV-I (2021 Batch) (R20)	Digital Image Processing (PE-III)	C401	2.73	2.68	2.74	2.73	2.75
	Radar Systems (PE-V)	C402	2.78	2.73	2.83	2.74	2.76
	Real Time Operating Systems (OE-III)	C403	2.67	2.65	2.66	2.65	2.59
	Computer Networks (OE-IV)	C404	2.47	2.5	2.5	2.37	2.46
	Micro wind and Lab View (SDC)	C405	2.38	2.62	2.54	2.43	2.67
	Personnel Etiquette (HSS)	C406	2.77	2.62	2.79	2.70	2.51
	Universal Human Values	C407	2.55	2.24	2.27	2.29	2.64
	Comprehensive Viva	C408	2.77	2.77	2.77	2.77	2.77
	Industrial/Research Internship	C409	2.80	2.80	2.80	2.80	2.80
IV-II (2021 Batch) (R20)	Technical Seminar	C410	2.88	2.88	2.88	2.88	2.88
	Longterm Internship in Industry	C411	2.91	2.91	2.91	2.91	2.91
	Major Project	C412	2.86	2.86	2.88	2.88	2.88
Average of attained COs			2.65	2.60	2.61	2.57	2.57

Target may be stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs

3.8 Attainment of Program Outcomes and Program Specific Outcomes (25)

Total Marks 25.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Universal Hui	2.68	2.68	2.68	2.69	2.68	PO6	PO7	PO8	PO9	PO10	2.7	PO12
Signals, Syst	2.40	2.39	2.37	2.37	2.38	PO6	PO7	PO8	PO9	PO10	2.40	PO12
Electronic De	2.48	2.49	2.52	2.50	2.51	PO6	PO7	PO8	PO9	PO10	2.49	PO12
Digital Circuit	2.45	2.45	2.46	2.46	2.46	PO6	PO7	PO8	PO9	PO10	2.45	PO12
Electronic De	2.83	2.83	2.83	2.83	2.83	PO6	PO7	2.83	2.83	2.83	2.83	PO12
Digital Desigr	2.52	2.52	2.52	2.52	2.52	PO6	PO7	2.52	2.52	PO10	2.52	PO12
Python Progr	2.81	2.81	2.81	2.81	2.81	PO6	PO7	2.81	2.81	PO10	2.81	PO12
Managerial E	2.58	2.57	2.56	PO4	2.57	2.58	2.56	PO8	2.56	2.57	2.55	PO12
Linear Contrc	2.42	2.50	2.55	2.49	2.5	PO6	PO7	PO8	PO9	PO10	2.5	PO12
Electronic Cir	2.48	2.47	2.44	2.44	2.44	PO6	PO7	PO8	PO9	PO10	2.44	PO12
Analog and C	1.96	2.27	2.53	2.51	2.56	PO6	PO7	PO8	PO9	PO10	2.53	PO12
Electronic Cir	2.96	2.96	2.96	2.96	2.96	PO6	PO7	2.96	2.96	PO10	2.96	PO12
Analog and C	2.92	2.92	2.92	2.92	2.92	PO6	PO7	2.92	2.92	PO10	2.92	PO12
Design Think	2.59	2.58	2.56	PO4	2.55	PO6	PO7	2.55	2.57	2.61	2.55	PO12
Linear and Di	2.15	2.13	2.16	2.06	2.15	PO6	PO7	PO8	2.27	2.27	PO11	2.18
Analog Comr	2.61	2.65	2.76	2.83	PO5	PO6	PO7	PO8	PO9	3	PO11	2.68
Control Syste	2.31	2.31	2.31	2.31	2.31	PO6	PO7	PO8	PO9	PO10	PO11	2.31
Arduino & M€	2.10	2.10	2.10	2.10	2.10	2.01	2.09	PO8	PO9	PO10	PO11	2.10
Linear and Di	2.76	2.76	2.76	2.76	2.76	PO6	PO7	PO8	2.76	2.76	PO11	2.76
Analog Comr	2.85	2.85	2.85	2.85	2.85	PO6	PO7	PO8	2.85	2.85	PO11	2.85
Microwave Ei	1.09	1.06	0.93	0.70	1.03	PO6	PO7	PO8	PO9	PO10	PO11	0.91
Digital Comm	2.97	2.97	2.97	2.97	2.97	PO6	PO7	PO8	2.97	2.97	PO11	2.97
Microwave ar	2.94	1.20	1.50	1.50	2.75	2.00	1.00	1.00	1.00	2.00	3.00	2.00
Digital Signal	2.91	2.91	2.91	2.91	2.91	PO6	PO7	PO8	2.91	PO10	PO11	2.91
Digital Image	2.73	2.73	2.74	2.74	2.74	PO6	PO7	PO8	2.75	2.75	2.73	PO12
Radar Syster	2.77	2.77	2.77	2.75	2.76	PO6	2.76	PO8	PO9	PO10	PO11	2.76
Real Time Op	2.65	2.64	2.63	2.62	2.63	PO6	PO7	PO8	PO9	PO10	PO11	2.64
Personnel Eti	2.57	2.53	2.50	PO4	PO5	PO6	PO7	PO8	2.51	2.51	2.14	2.52

Universal Hu	2.40	2.40	2.43	PO4	PO5	2.40	2.38	2.39	2.40	2.46	2.64	2.42
Comunity Ser	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72
Compreshinv	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
Industrial/Res	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Technical Ser	2.5	3	PO3	2	1	3	3	2.5	1	3	PO11	2
Internship in I	2	2.5	2	2	2.3	2.5	2	2.3	1.3	2.5	2.5	2.6
Major Project	2.66	2.3	2.5	2.3	3	1.3	1.5	2.5	2	2	2	2.2
Probability ar	2.42	2.4	2.38	2.38	2.38	PO6	PO7	PO8	PO9	PO10	2.37	PO12
EM Waves ar	2.35	2.34	2.32	2.31	2.32	PO6	PO7	PO8	PO9	PO10	2.32	PO12
VLSI DESIGN	2.30	2.31	2.31	2.35	2.32	PO6	2.35	PO8	PO9	2.35	PO11	PO12
Digital Signal	2.41	2.41	2.38	2.40	2.41	2.43	PO7	PO8	PO9	PO10	PO11	2.42
Digital Comm	2.33	2.31	2.23	2.24	2.3	PO6	PO7	PO8	PO9	PO10	PO11	2.31
Computer Or	2.5	2.49	PO3	2.46	2.49	PO6	PO7	PO8	PO9	PO10	PO11	2.49
Computer Ne	2.46	2.46	2.44	2.41	2.46	PO6	PO7	PO8	2.46	2.46	PO11	PO12
Computer Ne	2.54	2.55	2.59	PO4	2.55	PO6	PO7	PO8	PO9	PO10	PO11	2.54

PO Attainment Indirect

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Exit Survey	2.43	2.45	2.52	2.54	2.55	2.28	2.25	2.36	2.68	2.45	2.3	2.44
Alumni Surve	2.16	2.1	1.97	2.12	2.08	1.97	2.14	2.07	2.13	2.12	2.07	2.14
Industrial & P	2.38	2.33	2.15	2.07	2.17	2.14	2.09	2.10	2.21	2.21	2.21	2.14
Student Surv	2.45	2.38	2.23	2.3	2.3	2.23	2.38	2.3	2.3	2.23	2.3	2.41

PO Attainment Level

Note: The Institution can fix the weightage of the indirect attainment maximum up to 20%.

Define the Weightage for Indirect Attainment: 20.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	2.53	2.51	2.50	2.47	2.51	2.41	2.33	2.54	2.46	2.61	2.59	2.45
InDirect Attainment	2.36	2.32	2.22	2.26	2.28	2.16	2.22	2.21	2.33	2.25	2.22	2.28
Overall Attainment	2.50	2.47	2.44	2.43	2.46	2.36	2.31	2.47	2.43	2.54	2.52	2.42

PSO Attainment

Course	PSO1	PSO2	PSO3
C201	2.20	2.19	2.16
C202	2.68	2.68	2.69
C203	2.40	2.37	2.37
C204	2.49	2.50	2.55
C205	2.45	2.46	2.46
C206	2.83	2.83	2.83
C207	2.52	2.52	2.52
C208	2.81	2.81	2.81
C210	2.50	2.50	2.50
C212	2.48	2.47	2.44
C213	2.10	2.11	2.53
C214	2.96	2.96	2.96
C215	2.92	2.92	2.92
C301	2.14	2.12	2.18
C302	2.64	2.63	2.83
C306	2.10	2.05	2.05
C307	2.76	2.76	2.76
C308	2.85	2.85	2.85
C309	2.33	2.33	2.34
C312	2.45	2.45	2.45
C315	2.91	2.91	2.91
C401	2.73	2.73	2.74
C402	2.77	2.76	2.77
C403	2.65	2.64	2.63
C209	PSO1	PSO2	PSO3
C216	PSO1	PSO2	2.58
C305	2.31	PSO2	PSO3
C310	1.14	1.09	PSO3
C406	2.55	2.54	PSO3

C407	PSO1	2.46	2.42
C314	2.94	2.18	2.50
C316	2.72	2.72	2.72
C408	2.77	2.77	2.77
C409	2.80	2.80	2.80
C410	2.88	2.88	2.88
C411	2.91	2.91	2.91
C412	2.87	2.87	2.87
C211	2.34	2.34	2.32
C303	2.62	2.61	2.71
C304	2.31	PSO2	2.31
C311	2.41	2.41	2.43
C313	2.32	2.32	2.34
C404	2.46	2.46	2.44
C405	2.54	2.56	2.51

PSO Attainment Indirect

Survey	PSO1	PSO2	PSO3
Exit Survey	2.34	2.14	2.36
Alumni Survey	2.11	2.09	2.08
Industrial & Parent Sur	2.14	2.05	2.19
Student Survey	2.41	2.41	2.38

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2.49	2.48	2.56
InDirect Attainment	2.25	2.17	2.25
Overall Attainment	2.44	2.42	2.50

4 STUDENTS' PERFORMANCE (120)

Total Marks 98.66

Table No. 4A: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	240	240	240	240	240	240	240
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	231	239	235	225	228	213	239
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	24	29	42	37	33	25
N3=Separate division if any	0	0	0	0	0	0	0

N4=Total no. of students admitted in the 1st year via all supernumerary quotas	23	24	24	21	23	17	17
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	254	287	288	288	288	263	281

Table No. 4B: Admission details for the program through multiple entry and exit points.

	Item (No. of students admitted/exited through multiple entry and exit points) in the respective batch	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (LYG)	2020-21 (LYGm1)	2019-20 (LYGm2)
N52=No. of students admitted in 2nd year via multiple entry and exit points in same batch	N52=No. of students admitted in 2nd year via multiple entry and exit points in same batch	0	0	0	0	0	0	0
N53=No. of students admitted in 3rd year via multiple entry and exit points in same batch	N53=No. of students admitted in 3rd year via multiple entry and exit points in same batch	0	0	0	0	0	0	0
N54=No. of students admitted in 4th year via multiple entry and exit points in same batch	N54=No. of students admitted in 4th year via multiple entry and exit points in same batch	0	0	0	0	0	0	0
N5=N52+N53+N54	N5=N52+N53+N54	0	0	0	0	0	0	0
N61=No. of students exits after 1st year via multiple entry and exit points in same batch	N61=No. of students exits after 1st year via multiple entry and exit points in same batch	0	0	0	0	0	0	0
N62=No. of students exit after 2nd year via multiple entry and exit points	N62=No. of students exit after 2nd year via multiple entry and exit points	0	0	0	0	0	0	0
N63=No. of students exit after 3rd year via multiple entry and exit points in same batch	N63=No. of students exit after 3rd year via multiple entry and exit points in same batch	0	0	0	0	0	0	0
N6=N61+N62+N63	N6=N61+N62+N63	0	0	0	0	0	0	0

Table No. 4C: No. of students graduated within the stipulated period of the program.

Year of entry	Total no. of students (N1 + N2 + N3+ N4 + N5 - N6 as defined above)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2025-26 (CAY)	254				
2024-25 (CAYm1)	287	255			
2023-24 (CAYm2)	288	256	277		
2022-23 (CAYm3)	288	241	277	267	
2021-22 (LYG)	288	250	281	270	267
2020-21 (LYGm1)	263	230	250	247	242
2019-20 (LYGm2)	281	254	275	269	269

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

[Get Details from Table 4.1](#)**Table No.4.1.1: Student enrolment ratio in the 1st year.**

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	240	231	23	105.83
2024-25 (CAYm1)	240	239	24	109.58
2023-24 (CAYm2)	240	235	24	107.92

Average [(ER1 + ER2 + ER3) / 3] = 107.78 \approx 100

Assessment : 20.00

4.2 Success Rate of the Students in the Stipulated Period of the Program (15)

Total Marks 13.85

Institute Marks : 13.85

Table No.4.2.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	288.00	273.00	281.00
B=No. of students who graduated from the program in the stipulated course duration	267.00	242.00	269.00
Success Rate (SR)= (B/A) * 100	92.71	88.64	95.73

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 92.36

SR Points : 13.85

Note *: If the value of A in Table No. 4.2.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No. 4.2.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2).

4.3 Academic Performance of the First-Year Students of the Program (10)

Total Marks 6.28

Table No.4.3.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	6.44	6.51	6.27
Y=Total no. of successful students	255.00	256.00	241.00
Z=Total no. of students appeared in the examination	263.00	259.00	245.00
API [X*(Y/Z)]	6.24	6.43	6.17

Average API [(AP1+AP2+AP3)/3] : 6.28

Assessment = Average API : 6.28

4.4 Academic Performance of the Second Year Students of the Program (10)

Total Marks 5.81

Institute Marks : 5.81

Table No.4.4.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	6.47	5.51	5.88
Y=Total no. of successful students	277.00	277.00	281.00
Z=Total no. of students appeared in the examination	285.00	283.00	287.00
API [X * (Y/Z)]	6.29	5.39	5.76

Average API [(AP1 + AP2 + AP3)/3] : 5.81

Assessment [AverageAPI] : 5.81

4.5 Academic Performance of the Third Year Students of the Program (10)

Total Marks 6.88

Table No.4.5.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	6.54	7.27	7.43
Y=Total no. of successful students	267.00	270.00	247.00
Z=Total no. of students appeared in the examination	277.00	281.00	250.00
API [X*(Y/Z)]:	6.30	6.99	7.34

Average API [(AP1 + AP2 + AP3)/3] : 6.88

Assessment [1.5 * AverageAPI] : 6.88

4.6 Placement, Higher Studies and Entrepreneurship (30)

Total Marks 20.84

Institute Marks : 20.84

Table No. 4.6.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	277.00	273.00	269.00
X=No. of students placed	189.00	187.00	186.00
Y=No. of students admitted to higher studies	3.00	2.00	2.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	69.31	69.23	69.89

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 69.48

Placement Index Points: 20.84

4.7 Professional Activities (25)

Total Marks 25.00

4.7.1 Professional Societies/ Bodies, Chapters, Clubs, and Professional Engineering Events Organized (5)

Institute Marks : 5.00

Table No. 4.7.1.1: List of active professional societies/bodies/chapters/clubs.

S.No	Name of the Professional Societies/Bodies, Chapters, Clubs
1	The Institute of Engineers(IE(I))
2	Institute of Electrical and Electronics Engineers(IEEE)
3	Indian Society for Technical Education (ISTE)
4	Indian Space Research Organisation (ISRO) - Indian Institute of Remote Sensing (IIRS)
5	Computer Society of India
6	Institutions Innovation Council (IIC) - Ministry of Education (MoE)

**Table No. 4.7.1.2: List of events/programs organized.
(CAYm1) 2024-25**

S.No	Name of the Professional Societies/Bodies, Chapters, Clubs	Name of the Event	National/International level	Date of Event (DD/MM/YYYY)
1	The Institute of Engineers (IE(I))	Engineers Day by Conducting "Innovation Fair Competition	National	13/10/2024
2	Indian Society for Technical Education (ISTE)	Technical Quiz	NAtional	28/09/2024
3	The Institute of Engineers (IE(I))	ASIC Verification	National	28/12/2024
4	Indian Society for Technical Education (ISTE)	Poster Presentation Competition	National	28/12/2024
5	The Institute of Engineers (IE(I))	Cracking the Code - Strategies for Success in GATE	National	01/03/2025
6	Institute of Electrical and Electronics Engineers(IEEE)	Intersectionaliry and Mental health	National	20/07/2024
7	Institute of Electrical and Electronics Engineers(IEEE)	Invited Talk on Conformal and Flexible Antennas for Future Communication Systems	NAtional	30/07/2024
8	Institute of Electrical and Electronics Engineers(IEEE)	Guest Lecture on "Exposure on Solar Power Generation: Theoretical vs Practical Analogy"	National	14/08/2024
9	Institute of Electrical and Electronics Engineers(IEEE)	Workshop on Nano Scale VLSI System Design using CADENCE Tool	National	23/09/2024
10	Institute of Electrical and Electronics Engineers(IEEE)	National Integrity and Personality Development	National	07/12/2024
11	Institute of Electrical and Electronics Engineers(IEEE)	Hands-On Exploration of Deep Learning in Biomedical Image Processing	National	07/12/2024
12	Institute of Electrical and Electronics Engineers(IEEE)	Future Trends in Wireless Communication	National	09/12/2024
13	Institute of Electrical and Electronics Engineers(IEEE)	Future Trends in Navigation system	National	13/12/2024
14	Institute of Electrical and Electronics Engineers(IEEE)	Technical Exhibition-(Tech-Expo)	National	21/12/2024
15	Institute of Electrical and Electronics Engineers(IEEE)	Poster Presentation Competition	National	28/12/2024
16	Institute of Electrical and Electronics Engineers(IEEE)	Innovation Fair Competition	National	15/09/2024
17	Institute of Electrical and Electronics Engineers(IEEE)	Exposure and Field Visit for Problem Identification	National	08/10/2024
18	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Changing the Narrative on Suicide with the Call to Action, Start the Conversation	National	10/10/2024
19	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	"SAM YAK 2K25" (National Level Technical Symposium)	National	24/02/2025
20	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Art of Innovation	National	27/02/2025

21	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Copy That! Copyrights Uncovered	National	23/04/2025
----	---	---------------------------------	----------	------------

(CAYm2) 2023-24

S.No	Name of the Professional Societies/Bodies, Chapters, Clubs	Name of the Event	National/International level	Date of Event (DD/MM/YYYY)
1	Indian Society for Technical Education(ISTE)	Introduction to ECAD tool: MICROWIND	National	22/11/2023
2	Indian Society for Technical Education (ISTE)	Fundamentals for fabrication of semiconductor devices	National	26/03/2024
3	Indian Society for Technical Education(ISTE)	Roots of electronics in Indian traditional Scriptures-Role of researchers in taking it to forefront	National	29/04/2024
4	Indian Society for Technical Education(ISTE)	Technical Presentation Competition	National	28/07/2023
5	Institute of Electrical and Electronics Engineers(IEEE)	Nurturing Strength Within- A Talk to Empower Women & Girl Students	National	19/08/2023
6	Institute of Electrical and Electronics Engineers(IEEE)	Technical Talk on Data Engineering and AI	National	30/09/2023
7	Institute of Electrical and Electronics Engineers(IEEE)	Expert Talk on Addressing Barriers and Facilitating Clinical Adaption of IT	National	06/10/2023
8	Institute of Electrical and Electronics Engineers(IEEE)	Technical Talk on Journeying through the COSmos:Insights of ISRO	National	07/10/2023
9	Institute of Electrical and Electronics Engineers(IEEE)	Victorina – Quiz Competition	National	18/10/2023
10	Institute of Electrical and Electronics Engineers(IEEE)	Industrial Visit to Ultra Mega Solar Park	National	20/10/2023
11	Institute of Electrical and Electronics Engineers(IEEE)	Technical Talk on Demystifying LTE (4G)	National	02/12/2023
12	Institute of Electrical and Electronics Engineers(IEEE)	Prohibition, Prevention & Redressal of Sexual Harassment in Workplace	National	08/12/2023
13	Institute of Electrical and Electronics Engineers(IEEE)	Mentoring Program on Leadership	National	15/12/2023
14	Institute of Electrical and Electronics Engineers(IEEE)	Technical Talk on CADENCE Tools	National	16/12/2023
15	Institute of Electrical and Electronics Engineers(IEEE)	Seminar on Engineering Pathways:Expolring Carrier Opportunities	National	28/03/2024
16	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Problem Solving and Ideation Workshop	National	19/09/2023
17	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Brainstorming Sessions for the budding Innovators	National	12/10/2023
18	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	National Pollution Control Day	National	02/12/2023
19	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Content Marketing Mastery	National	14/12/2023

20	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Strategic partnership for growth	National	28/12/2023
21	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Sustainable Entrepreneurship: Balancing Profit and Planet	National	13/02/2024
22	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Innovation, Entrepreneurship & Start-Up	National	28/03/2024
23	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Celebrating world Intellectual Property Day	National	26/04/2024
24	Institution's Innovation Council (IIC). Ministry of Education (MoE)	Poster Presentation	National	05/03/2024
25	The Institute of Engineers (IE(I))	Guest Lecture on "Introduction to E-CAD Tool: Microwind"	National	22/11/2023
26	The Institute of Engineers (IE(I))	Guest Lecture on "Fundamentals for Fabrication of Semiconductor Devices"	National	26/03/2024
27	The Institute of Engineers (IE(I))	Guest Lecture on "Roots of Electronics in Indian Traditional Scriptures-Role of Researchers in taking it to Forefront"	National	29/04/2024

(CAYm3) 2022-23

S.No	Name of the Professional Societies/Bodies, Chapters, Clubs	Name of the Event	National/International level	Date of Event (DD/MM/YYYY)
1	The Institute of Engineers (IE(I))	Seminar on Orientation on Software Development Life Cycle(SDLC)	National	07/09/2022
2	The Institute of Engineers (IE(I))	Seminar on "Importance of Internships"	National	12/09/2022
3	The Institute of Engineers (IE(I))	Technical Quiz for III ECE Students	National	13/09/2022
4	The Institute of Engineers (IE(I))	Seminar on "Introduction to Microwind and Dsch tools"	National	27/10/2022
5	The Institute of Engineers (IE(I))	Seminar and Quiz	National	23/11/2022
6	The Institute of Engineers (IE(I))	Guest Lecture on "Internet of Things Evolution and Challenges"	National	02/12/2022
7	The Institute of Engineers (IE(I))	Orientation program on AICTE-Eduskills Virtual Internships	National	04/01/2023
8	The Institute of Engineers (IE(I))	Orientation program on AICTE-Eduskills Virtual Internships	National	04/01/2023
9	The Institute of Engineers (IE(I))	Orientation program on AICTE-Eduskills Virtual Internships	National	04/01/2023
10	The Institute of Engineers (IE(I))	Guest Lecturer on "Fundamentals of Digital Image Processing"	National	27/01/2023
11	The Institute of Engineers (IE(I))	Guest Lecturer on "Introduction to Composite materials"	National	30/01/2023
12	The Institute of Engineers (IE(I))	Guest Lecturer on "Important Life skills for Engineering Students"	National	01/02/2023
13	The Institute of Engineers (IE(I))	Guest Lecturer on "Basics of Arduino"	National	04/02/2023
14	The Institute of Engineers (IE(I))	Guest Lecturer on "Graphical System Design"	National	04/02/2023
15	The Institute of Engineers (IE(I))	Guest Lecturer on "Introduction to ECAD tools-Microwind"	National	07/02/2023
16	The Institute of Engineers (IE(I))	Guest Lecturer on "Image processing and Machine learning for Classification"	National	09/02/2023
17	The Institute of Engineers (IE(I))	Technical Quiz	National	06/03/2023
18	The Institute of Engineers (IE(I))	Technical Quiz	National	10/03/2023
19	The Institute of Engineers (IE(I))	A talk on "Career opportunities in VLSI field"	National	01/04/2023
20	The Institute of Engineers (IE(I))	A talk on "Job opportunities in VLSI field"	National	01/04/2023
21	The Institute of Engineers (IE(I))	A talk on "Future Trends in VLSI field"	National	01/04/2023
22	The Institute of Engineers (IE(I))	Guest lecturer on "Block chain & Crypto currencies"	National	10/04/2023
23	The Institute of Engineers (IE(I))	Technical Quiz on "Digital Logic Design"	National	15/06/2023
24	The Institute of Engineers (IE(I))	Technical Quiz on "Signals and systems"	National	16/06/2023
25	Institute of Electrical and Electronics Engineers(IEEE)	Star Program	National	27/01/2023
26	Institute of Electrical and Electronics Engineers(IEEE)	Technical quiz competition entitled 'PUREBA'	National	31/01/2023
27	Institute of Electrical and Electronics Engineers(IEEE)	A webinar on 'Cancer Prevention and Healthy Lifestyle'	National	04/02/2023

28	Institute of Electrical and Electronics Engineers(IEEE)	Expert Talk on Trending Tools in Artificial Intelligence	National	20/02/2023
29	Institute of Electrical and Electronics Engineers(IEEE)	International Women's Day, the Women in Engineering Affinity Group (WIE AG) – RGM CET	National	08/03/2023
30	Institute of Electrical and Electronics Engineers(IEEE)	Women's Sense of Self-Worth	National	04/03/2023
31	Institute of Electrical and Electronics Engineers(IEEE)	Resume Competition	National	04/04/2023
32	Institute of Electrical and Electronics Engineers(IEEE)	A seminar to highlight the Benefits of IEEE membership.	National	25/03/2023
33	Institute of Electrical and Electronics Engineers(IEEE)	NAARI SWASTH" on Women's health and Hygiene	National	03/04/2023
34	Institute of Electrical and Electronics Engineers(IEEE)	Talk on "Exploring IEEE"	National	04/04/2023
35	Institute of Electrical and Electronics Engineers(IEEE)	Industrial Visit to BSNL Telecommunications in Kurnool	National	12/04/2023
36	Institute of Electrical and Electronics Engineers(IEEE)	RGM MAGUVA	National	24/06/2023
37	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Science Carnival	National	27/02/2023
38	Institutions Innovation Council (IIC) - Ministry of Education (MoE)	Poster Presentation	National	05/03/2023
39	Indian Society for Technical Education(ISTE)	Seminar on Orientation on software development life cycle	National	07/09/2022
40	Indian Society for Technical Education(ISTE)	Quiz on General Knowledge	National	08/09/2022
41	Indian Society for Technical Education(ISTE)	Importance Of Internships	National	12/09/2022
42	Indian Society for Technical Education(ISTE)	Quiz for III year students	National	13/09/2022
43	Indian Society for Technical Education(ISTE)	Quiz for IV year students	National	14/09/2022
44	Indian Society for Technical Education(ISTE)	Engineer's Day Celebration	National	15/09/2022
45	Indian Society for Technical Education(ISTE)	Art of Living	National	17/09/2022
46	Indian Society for Technical Education(ISTE)	Introduction to Microwind & DSCH Tools	National	27/10/2022
47	Indian Society for Technical Education(ISTE)	Quiz on General Knowledge	National	23/11/2022
48	Indian Society for Technical Education(ISTE)	A guest lecture on internet of things evolution and challenges	National	02/12/2022
49	Indian Society for Technical Education(ISTE)	A guest lecture on internet of things evolution and challenges	National	21/02/2023
50	Indian Society for Technical Education(ISTE)	Orientation Programme on Nature Healing Process ("No Tough No drug Therapy")	National	23/02/2023

4.7.2 Student's Participations in Professional Events (10)

Institute Marks : 10.00

**Table No. 4.7.2.1: List of students participated in professional events.
(CAYm1) 2024-25**

S.No	Name of the Student	Name of the Event	State /State /National/International level	Date of Event (DD/MM/YYYY)	Name of Award
1	Vutukuri Eswar Manideep (22095A0410)	Gender Equity and Improve Inclusion	National	19/07/2024	Volunteering
2	C Sai Charan (20091A04F0)	Gender Equity and Improve Inclusion	National	19/07/2024	Volunteering
3	Byreddy Manoj Kumar Reddy (21091A04A3)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
4	Uppari Mahesh (21091A0493)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
5	Madiga Manoj Kumar (21091A04A4)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
6	Gogula Rakesh (21091A04E4)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
7	Mood Ranjith Naik (21091A04E9)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
8	Chowduru Maheswar Reddy (22095A0421)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
9	Byreddy Charitha (21091A0427)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
10	Mirza Farhana Begum (21091A0442)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
11	Edula Chandralekha (22095A0406)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
12	Vallapureddy Asha Jyothi (21091A0411)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
13	Injeti Durga Manoj (21091A0439)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
14	Pikkili Chenna Sai (21091A0428)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
15	Yerram Banu Prakash (21091A0415)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
16	Nara Keerthi (21091A0475)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
17	Palle Pujitha (21091A04E0)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
18	Peddi Reddy Sai Latha (21091A04F7)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
19	Bhavanasi Naveen (21091A04C1)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
20	Chappali Pavan Kumar (21091A04C7)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
21	Chinna Thimmannagari Mithunteja (21091A04B0)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
22	Rangaswamy Gari Nagesh (21091A04C0)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
23	Kasarla Jathin Krishna (21091A0463)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
24	Ganta Gopinath (21091A0449)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
25	Mallela Eswar (21091A0440)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
26	Chagalamarri Chinni Krishna (21091A0429)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated

27	Shaik Mohammed Arif (21091A04B3)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
28	Karli Harshavardhan (21091A0454)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
29	Atmakuru Bharath (21091A0420)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
30	Solege Bhanu Prakash (21091A0418)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
31	Gangireddy Manasa (21091A0497)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
32	Reddy Balanagireddygari Malliswari (21091A0496)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
33	Boggula Chandra Obul Reddy (21091A0424)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
34	Panuganti Chaitanya (21091A0423)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
35	Dhupam Madhu (22095A0420)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
36	Zinkala Hemanth Kumar (22095A0415)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
37	Kanike Kalyani (21091A0470)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
38	Girraju Nagasudeep (22095A0423)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
39	Vadapalli Siddiq (21091A04H9)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
40	Shaik Raheem Basha (21091A04E2)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
41	Gogula Prasad (21091A04D4)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
42	Mangali Meenakshi (21091A04A8)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
43	Peddi Nishitha (21091A04C4)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
44	Boya Madhavi (21091A0486)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
45	Guda Gangothri (22095A0411)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
46	Syed Ruksana (22095A0429)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
47	Polimera Hemalatha (22095A0414)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
48	Bhupani Kasi Eswari (21091A0473)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
49	Bommanahal Lakshmi Priya (22095A0419)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
50	Karivena Irfan (21091A0460)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
51	Shaik Ezad Basha (21091A0441)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
52	Gurram Manjula (21091A04A2)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
53	Vantla Maria Dhathri (21091A04A6)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
54	Baggari Nagaraju (21091A04B9)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
55	M Mythili (21091A04B5)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
56	Poluru Mounika (21091A04B4)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated

57	Majjiga Manasa (21091A0498)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
58	Mallepogu Lakshmi Devi (21091A0479)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
59	Sanepalle Pavan Kumar Reddy (21091A04C6)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
60	Derangula Nisheth (21091A04C3)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
61	Yetooru Mahesh (21091A0494)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
62	Kasireddy Deveswar Reedy (22095A0407)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
63	Rendla Pavan Kumar Reddy (21091A04C5)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
64	T M Vikaas (22091A04Q8)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
65	Dega Rambabu (21091A04E7)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
66	Madugundu Madhu (21091A0487)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
67	Madavaram Pavan Kumar (21091A04C8)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
68	Gudusali Apurva (21091A0410)	Gender Equity and Improve Inclusion	National	19/07/2024	Participated
69	Rachama Reddy Sai Keshava Reddy (22095A0431)	Techo Workshop Series 24 Level1	National	10/08/2024	Participated
70	Kadiri Harika (22095A0413)	Bureau of Indian Standards Club	National	14/08/2024	Participated
71	Kurni Upendra (21091A04P3)	Indian Institute of Remote Sensing (IIRS): LIDAR Data Processing and Applications	National	05/08/2024	Participated
72	Dudekula Mohammed Arif (23095A0413)	Finalist in the Innovation Challenge Track of IEEE Yesist12 2024	National	07/09/2024	Participated
73	Vuruturu Gunasekhar (23095A0404)	Finalist in the Innovation Challenge Track of IEEE Yesist12 2024	National	07/09/2024	Participated
74	Kasimalla Lakshmi Narasimhaiah (23095A0410)	Finalist in the Innovation Challenge Track of IEEE Yesist12 2024	National	07/09/2024	Participated
75	Chakali Yaswanth (23095A0442)	Finalist in the Innovation Challenge Track of IEEE Yesist12 2024	National	07/09/2024	Participated
76	Vutukuri Eswar Manideep (22095A0410)	Finalist in the Innovation Challenge Track of IEEE Yesist12 2024	National	07/09/2024	Participated
77	Paka Sreekar Praneeth (21091A04K1)	GPPEC IEEE Hyderabad Section	State	14/09/2024	Participated
78	Vutukuri Eswar Manideep (22095A0410)	GPPEC IEEE Hyderabad Section	State	14/09/2024	Participated
79	Suravaram Lakshmi Vinitha (22091A0489)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	3rd Prize

80	Shaik Ruksana (22091A04G3)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	3rd Prize
81	Nandarapu Kedarnath Reddy (22091A0478)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	Participated
82	Kode Kranthi Kumar (22091A0482)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	Participated
83	Sonti Kuruba Lokesh Kumar (22091A0496)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	Participated
84	Rodrasu Parimala Sudha (24095A0416)	57th Engineers Day Celebrations-Elocution	State	15/09/2024	Participated
85	Paka Sreekar Praneeth (21091A04K1)	IEEE WIE International Leadership Summit	National	03/10/2024	Participated
86	Rachama Reddy Sai Keshava Reddy (22095A0431)	IEEE WIE International Leadership Summit	National	03/10/2024	Participated
87	Rachama Reddy Sai Keshava Reddy (22095A0431)	4 Years of Hyderabad Section	National	19/10/2024	Participated
88	Paka Sreekar Praneeth (21091A04K1)	4 Years of Hyderabad Section	National	19/10/2024	Participated
89	Dhandu Hanuruth Kumar (22095A0412)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
90	Sadhu Jai Vasanth (22095A0416)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
91	Jolapuram Jayavardan (22095A0417)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
92	Kasimalla Lakshmi Narasimhaiah (23095A0410)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
93	Kodiganti Lavanya (21091A0482)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
94	Boggu Simhadri (22095A0432)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
95	Sanepalle Pavan Kumar Reddy (21091A04C6)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
96	Shaik Abdul Kalam (22095A0401)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
97	G Tejaswini (21091A04N4)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
98	Gurajala Kranthi Kumar (23095A0409)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
99	Dudekula Mahammed Arif (23095A0413)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit
100	Boya Madhavi (21091A0486)	E-Yantra-Elsi:Basics of Embedded Systems and Robotics	National	05/10/2024	Merit

101	Kasimalla Lakshmi Narasimhaiah (23095A0410)	IEEE MTTS SB Chapter	National	02/11/2024	Participated
102	Syeda Mahek Anjum (24095A0411)	IEEE MTTS SB Chapter	National	02/11/2024	Participated
103	Gurajala Kranthi Kumar (23095A0409)	IEEE Reliability Society Chapter of Hyderabad Section in Association with ATPSS	National	03/11/2024	Participated
104	Shaik Arshad (22091A0416)	IEEE Reliability Society Chapter of Hyderabad Section in Association with ATPSS	National	03/11/2024	Participated
105	Nandarapu Kedarnath Reddy (22091A0478)	IEEE Reliability Society Chapter of Hyderabad Section in Association with ATPSS	National	03/11/2024	Participated
106	Naruboyana Ganesh (22091A0442)	HIEE Empowering Engineers Pvt Ltd	National	25/12/2024	Participated
107	Rodrasu Parimala Sudha (24095A0416)	HIEE Empowering Engineers Pvt Ltd	National	25/12/2024	Participated
108	Anjanamurthygari Deepthi (24095A0402)	HIEE Empowering Engineers Pvt Ltd	National	25/12/2024	Participated
109	Bonala Kavya (24095A0407)	HIEE Empowering Engineers Pvt Ltd	National	25/12/2024	Participated

(CAYm2) 2023-24

S.No	Name of the Student	Name of the Event	State /National/International level	Date of Event (DD/MM/YYYY)	Name of Award
1	Kurni Upendra (21091A04P3)	IIRS Online Course	National	10/07/2023	Participated
2	Yerram Banu Prakash (21091A0415)	Skilldunia	National	30/07/2023	Participated
3	Paka Sreekar Praneeth (21091A04K1)	WIE AG, IEEE Hyderabad Section	National	22/09/2023	2nd Place
4	Yerram Banu Prakash (21091A0415)	Overview of Global Navigation Satellite System	National	25/09/2023	Participated
5	Venkata Ashok B (22091A04P6)	WIE IEEE Day Celebrations	National	03/10/2023	Participated
6	Epuri Sai Vyshanavi (20091A04G1)	IEEE Hyderabad Section Student Congress 2023	National	14/10/2023	Participated
7	Paka Sreekar Praneeth (21091A04K1)	IEEE Hyderabad Section Student Congress 2023	National	14/10/2023	Participated
8	Yaswanth Reddy P (20091A04Q0)	Dr Kalaams Legacy Hackathon-2023	National	11/10/2023	Participated
9	Paka Sreekar Praneeth (21091A04K1)	IEEE Xtreme 17.0	National	29/10/2023	Participated
10	Kurni Upendra (21091A0493)	IIRS Online Course	National	26/10/2023	Participated
11	Yaswanth Reddy P (20091A04Q0)	Startup Expo 2.0	National	04/11/2023	Participated
12	Kosinepalli Sai Tanuja (21091A04F9)	IIRS	National	20/11/2023	Participated
13	Kurni Upendra (21091A04P3)	IIRS	National	20/11/2023	Participated
14	Paka Sreekar Praneeth (21091A04K1)	Ecoshe Summit	National	02/12/2023	2nd Place
15	Kurni Upendra (21091A04P3)	IIRS Online	National	28/11/2023	Participated
16	M Varun (20091A04N5)	Reginal Meet IIC MoEs	National	06/01/2024	Participated
17	Yaswanth Reddy P (20091A04Q0)	Reginal Meet IIC MoEs	National	06/01/2024	Participated
18	Sridhar R (20091A04J9)	Reginal Meet IIC MoEs	National	06/01/2024	Participated
19	Shyam Kumar E (22091A04H8)	Geospatial Analysis Using Google Earth Engine	National	19/02/2024	Online
20	Kurni Upendra (21091A04P3)	Geospatial Analysis Using Google Earth Engine	National	19/02/2024	Online
21	Kurni Upendra (21091A04P3)	Exploring Earths Moon Through Chandrayaan	National	19/02/2024	Online
22	E Shyam Kumar (22091A04H8)	Exploring Earths Moon Through Chandrayaan	National	19/02/2024	Online
23	Ganesh (22091A0442)	Sigmoid 2024 National Level Technical Symposium	State	17/03/2024	Participated
24	Abhinay (22091A0404)	Sigmoid 2024 National Level Technical Symposium	State	17/03/2024	Participated
25	Y Gowthami (22091A0446)	Sigmoid 2024 National Level Technical Symposium	State	17/03/2024	Participated
26	T M Vikaas (22091A04Q8)	Sigmoid 2024 National Level Technical Symposium	State	17/03/2024	Participated

27	Eswar Manideep Vutukuri (22095A0410)	2025 ICASSP Satellite Event-PICET-IEEE SPS Gujarat Chapter	State	03/05/2024	Participated
----	---	---	-------	------------	--------------

(CAYm3) 2022-23

S.No	Name of the Student	Name of the Event	State /National/International level	Date of Event (DD/MM/YYYY)	Name of Award
1	Golla Swathi (20091A04M5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
2	Gowni Keerthi (20091A0470)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
3	Sudarshan (20091A04K2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
4	Gundla Venkatesh (20091A04P0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
5	Devireddy Gurunath Reddy (20091A0440)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
6	Gutti Sandhya Rani (20091A04G7)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
7	Gatti Harish Kumar (21095A0405)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
8	Itha Victor Babu (20091A04P2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
9	Itte Jayanth (21095A0410)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
10	Kamsali Jaswanth Singh (20091A0455)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
11	Dhaipule Jayaswini Bai (20091A0456)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
12	Jollireddy Kavya (20091A0467)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
13	K Babu (20091A0412)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
14	Kuruva Narasimha (20091A04A4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
15	K Usha (20091A04N1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
16	Kudumula Gangasravani (20091A0435)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
17	Kalavarala Pavan Kumar (20091A04B8)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
18	Kollamagari Pradeep Kumar Reddy (20091A04C3)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
19	Kumara Praveenkumar (20091A04D1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
20	Kadiri Snehalatha (21095A0425)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
21	Kaka Sai Prasad (20091A04F4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
22	Katamgari Joel Peter Singh (20091A0458)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
23	Thodima Kavya Sri (20091A0466)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
24	Gorla Kri Deepthi (20091A0475)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
25	Buthuru Kundana (20091A0477)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
26	Kuruba Gayathri (20091A0436)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
27	Meka Ajay Sai Reddy (20091A0401)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
28	Manjula Praharsini (20091A04C5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
29	Miduthuru Maheswaramma (20091A0489)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated

30	Mannala Puja (20091A04D2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
31	Mannuru Sahithi Krishna (20091A04E8)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
32	Angadi Madhu Sai (20091A0484)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
33	Mallu Shashipriya (21095A0421)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
34	Maniyar Noor Mohammed (20091A04B2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
35	Marepalli Keerthana (20091A0469)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
36	Manaboti Balaji (21095A0402)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
37	Gona Mounika (20091A0495)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
38	Muppagowni Harshitha (20091A0447)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
39	Naganandhi Vijay Krishna (20091A04P3)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
40	Nagarlla Uma (20091A04M9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
41	Nallagotti Ramu (20091A04E2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
42	Naraboyini Srinath (20091A04K0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
43	Mulla Naziya (20091A04A6)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
44	Neeluru Aswani (20091A0411)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
45	Belagallu Nikhitha (21095A0418)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
46	Marani Nithin Kumar (20091A04A9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
47	Ogeti Pravallika (20091A04C9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
48	Ponkam Madhavi (20091A0483)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
49	Poluka Naga Sudha (21095A0416)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
50	P Pallavi (20091A04B4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
51	Padigi Yaswanth Reddy (20091A04Q0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
52	Palagati Prabhakar (20091A04C2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
53	Peteti Sivaji (20091A04H9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
54	Pienti Raghavendra (20091A04D4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
55	Ponamala Harshitha (21095A0406)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
56	Mule Poojitha (20091A04C1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
57	Kalika Pranesh Vittal (21095A0433)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
58	Puvvadi Sai Ram (20091A04F7)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
59	Sake Hari Priya (20091A0442)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
60	Sannappa Gari Snehalatha (20091A04J0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
61	Sake Supriya (20091A04K8)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated

62	Sudireddy Koushik Reddy (20091A0474)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
63	Sirigireddy Saikrupareddy (20091A04G2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
64	Sadu Prasad (20091A04C6)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
65	Malkireddy Sahithi (20091A04E9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
66	Pyadindi Sai Priyanka (20091A04F5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
67	Jandyala Saketh Sarma (18091A04H3)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
68	Shaik Sameera (20091A04G4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
69	Sankati Mahesh (20091A0487)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
70	Sasanakota Kiran Kumar Reddy (20091A0473)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
71	Balam Sasivardhan (20091A04G9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
72	Sayyad Abdul Rahaman Shahel (20091A04D5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
73	Shaik Almas Bhanu (20091A0402)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
74	Shaik Dada Khalandar (20091A0425)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
75	Shaik Darvesh Hyder Ali (21095A0407)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
76	Shaik Gousiya (20091A0439)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
77	Shaik Irfan Basha (21095A0408)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
78	Shaik Jameela Begam (20091A0454)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
79	Shaik Samrin (20091A04G5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
80	Shaik Shashavali (20091A04H2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
81	Shaik Naveed Ahammed (20091A04A5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
82	Singanamala Keerthi (20091A0472)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
83	Pulipati Sravalya (20091A04J3)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
84	Devireddy Srinivasa Reddy (20091A04K1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
85	Talari Sonu Suraj (20091A04J2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
86	Uppara Vijaya Lakshmi (20091A04P4)	Sigma-2K23	State	03/03/2023	Participated
87	Padigi Yaswanth Reddy (20091A04Q0)	Sigma-2K23	State	03/03/2023	2nd Place
88	Morennagari Vaishnavi (19091A04P4)	Virtusas Global Initiative Engineering Equity Hackathon	State	01/02/2023	Participated
89	Poluka Naga Sudha (21095A0416)	Dillana 2K23 A National Level Tech Fest-2023	State	17/03/2023	2nd Prize
90	Mulla Naziya (20091A04A6)	Dillana 2K23 A National Level Tech Fest-2023	State	17/03/2023	2nd Prize
91	Shaik Samrin (20091A04G5)	IIRS - Online Course (Want To Take Print)	National	24/04/2023	Participated

92	Nagarlla Uma (20091A04M9)	IIRS - Online Course (Want To Take Print)	National	24/04/2023	Participated
93	Kurni Upendra (21091A04P3)	IIRS - Online Course (Want To Take Print)	National	24/04/2023	Participated
94	Kurni Upendra (21091A04P3)	Innovation, Design And Entrepreneurship (IDE) Bootcamp	National	24/04/2023	Participated
95	Mannuru Sahithi Krishna (20091A04E8)	Smart India Hackathon-2022	National	25/08/2022	Grand Final
96	Challa Rajeswari (20091A04D7)	Smart India Hackathon-2022	National	25/08/2022	Grand Final
97	Dhande Sumanth (19091A04M2)	Smart India Hackathon-2022	National	25/08/2022	Grand Final
98	Kanikireddygar Kasi Viswanatha Reddy (19091A0474)	Smart India Hackathon-2022	National	25/08/2022	Grand Final
99	Peddi Reddy Sai Latha (21091A04F7)	ISRO - Online Course	National	05/12/2022	Participated
100	Mamilla Chenna Pavan Kumar Reddy (19091A04D2)	ISRO - Online Course	National	05/12/2022	Participated
101	Pullicharla Sreeja (21091A04J9)	ISRO - Online Course	National	05/12/2022	Participated
102	Kurakula Umamaheswari (21091A04P1)	ISRO - Online Course	National	05/12/2022	Participated
103	Yerram Banu Prakash (21091A0415)	50 Rears of Excelent IETE Knowledge Sharing Session (KSS): Webinar-115	National	27/11/2022	Participated
104	Mouli Surendra (21091A04N0)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
105	Yerasi Vamsi Pradeep (21091A04P4)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
106	Thangella Sai Thanya Sree (21091A04G1)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
107	Golla Siva Rekha (21091A04J2)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
108	C Sravanthi Varma (21091A04J8)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
109	Pullicharla Sreeja (21091A04J9)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
110	Madduru Sirisha (21091A04J1)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
111	Belum Sindhuja (21091A04J0)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
112	Kurni Upendra (21091A04P3)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
113	N Sravani (21091A04J7)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
114	Katike Yasodha (21091A04R8)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
115	Sana Sowmya Sree (21091A04J4)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
116	Madiyala Sneha Latha (21091A04J3)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
117	Krishtipati Venkata Sudheshnavi (21091A04Q7)	SkillAp-Siemens-APSSDC Siemens Project	State	10/12/2022	Participated
118	Ramisetty Veera Siddhartha Varma (21091A04Q2)	IIRS Outreach Programme Workshop	National	10/01/2023	Participated

119	Sirigiri Manohar Reddy (21095A0415)	IIRS Outreach Programme Workshop	National	10/01/2023	Participated
120	G Tejaswini (21091A04N4)	IIRS Outreach Programme Workshop	National	10/01/2023	Participated
121	Morennagari Vaishnavi (19091A04P4)	IIRS Outreach Programme Workshop	National	10/01/2023	Participated
122	Yerram Banu Prakash (21091A0415)	APSSDC Siemens Project	State	25/01/2023	Participated
123	Lavanuri Ashok Kumar Reddy (21091A0412)	APSSDC Siemens Project	State	25/01/2023	Participated
124	Mood Ranjith Naik (21091A04E9)	APSSDC Siemens Project	State	01/02/2023	Participated
125	Dega Rambabu (21091A04E7)	APSSDC Siemens Project	State	01/02/2023	Participated
126	Padigi Yaswanth Reddy (20091A04Q0)	IIRS - Online Course	National	13/02/2023	Participated
127	Asadi Deepthi (20091A0426)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
128	Ambati Naga Sudha Rohini (20091A04A3)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
129	Ambati Muneeswar Reddy (20091A0496)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
130	Khuraishi Asif Ahmed Hussain (20091A0409)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
131	Shaik Asiya (20091A0410)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
132	Bhaskara Hema Sai Pranathi (20091A0448)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
133	Barrenkala Aruna Kumari (20091A0408)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
134	Bandi Indu (20091A0450)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
135	Butti Uttam Kumar (20091A04N2)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
136	Bandaru Venkata Muralidhara (20091A04N6)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
137	Badineni Susmitha (20091A04M1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
138	Bandari Nohan (20091A04B1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
139	Maruboyini Bharath Kumar (20091A0415)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
140	Bhumay Harshitha (20091A0446)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
141	Bollavaram Harika (20091A0443)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
142	Boya Kalyan (20091A0462)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
143	Boya Murali (20091A0497)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
144	Boya Sai Varma (20091A04G0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
145	Chavidi Bala Sudheer (20091A0413)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
146	C Sai Charan (20091A04F0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
147	Chatla Kalyani (20091A0463)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated

148	Pochamireddy Chakradhar Reddy (20091A0420)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
149	Challa Rajeswari (20091A04D7)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
150	Polu Chandra Mouli (21095A0403)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
151	Cheepati Karthikeya Reddy (20091A0465)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
152	Chennempalli Panduranga Yadav (20091A04B5)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
153	Chintha Sreenath (20091A04J6)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
154	Chitra Jyothsna (20091A0459)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
155	Chitta Venkatesh (20091A04N9)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
156	Dasari Sreekanth Venkatesh (20091A04J4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
157	Epuri Sai Vyshnavi (20091A04G1)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
158	Gunna Deva Kumar (20091A0428)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
159	Gottemukkala Keerthana (20091A0468)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
160	G Shireesha (20091A04H4)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
161	Gajula Sri Hari Swaroop (20091A04J8)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
162	Gajjala Dhanunjaya Kumar (20091A0430)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
163	Golla Hariprasad (20091A0444)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
164	Gajjala Usha Rani (20091A04N0)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated
165	Ganjikunta Lakshmi Priya (20091A0479)	APSSDC - Artificial Intelligence	State	20/02/2023	Participated

4.7.3 Publication of Journals, Magazines, Newsletters, etc. in the Department (5)

Institute Marks : 5.00

Table No. 4.7.3.1: List of students involved in publication of journals, magazines, and newsletters, etc. in the Department. (CAYm1) 2024-25

S.No	Name of the Journal, Magazine, Newsletter	Name of the Editor	Name of the Student	Semester	No. of Issues	Hard copy/Soft copy
1	ECE Chronicles (July - December 2024)	Dr. J.Sofia Priya Dharshini	V. Sathvik Kumar Reddy (22091A04H4)	5	1	Hard Copy
2	ECE Chronicles (July - December 2024)	Dr. J.Sofia Priya Dharshini	B. Sri Rekha (22091A04K5)	5	1	Hard Copy
3	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	V. Sathvik Kumar Reddy (22091A04H4)	6	2	Hard Copy
4	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	B. Sri Rekha (22091A04K5)	6	2	Hard Copy
5	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	D. Vishnu Kumar (23095A0441)	6	2	Hard Copy
6	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	P. Krishna Priya (22091A0483)	6	2	Hard Copy
7	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	P. Sri Charan Reddy (22091A04J9)	6	2	Hard Copy
8	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	B. Sushma (22091A04M6)	6	2	Hard Copy
9	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	S. Arshiya (22091A0417)	6	2	Hard Copy
10	ECE Chronicles (January - June 2025)	Dr. J.Sofia Priya Dharshini	M. Kishore (23091A0481)	4	2	Hard Copy

(CAYm2) 2023-24

S.No	Name of the Journal, Magazine, Newsletter	Name of the Editor	Name of the Student	Semester	No. of Issues	Hard copy/Soft copy
1	ECE Chronicles (July - December 2023)	Dr. K. Mallikarjuna	V.Eswar Manideep (22095A0410)	5	1	Hard Copy
2	ECE Chronicles (July - December 2023)	Dr. K. Mallikarjuna	P. Sreekar Praneeth (21091A04K1)	5	1	Hard Copy
3	ECE Chronicles (July - December 2023)	Dr. K. Mallikarjuna	S. Bhargavi (21091A0422)	5	1	Hard Copy
4	ECE Chronicles (January - June 2024)	Dr. K. Mallikarjuna	S. Bhargavi (21091A0422)	6	2	Hard Copy
5	ECE Chronicles (January - June 2024)	Dr. K. Mallikarjuna	V. Sathvik Kumar Reddy (22091A04H4)	4	2	Hard Copy
6	ECE Chronicles (January - June 2024)	Dr. K. Mallikarjuna	B. Sri Rekha (22091A04K5)	4	2	Hard Copy

(CAYm3) 2022-23

S.No	Name of the Journal, Magazine, Newsletter	Name of the Editor	Name of the Student	Semester	No. of Issues	Hard copy/Soft copy
1	ECE Chronicles (July - December 2022)	Dr. K. Mallikarjuna	V.Eswar Manideep (22095A0410)	3	1	Hard Copy
2	ECE Chronicles (July - December 2022)	Dr. K. Mallikarjuna	P. Sreekar Praneeth (21091A04K1)	3	1	Hard Copy
3	ECE Chronicles (July - December 2022)	Dr. K. Mallikarjuna	S. Bhargavi (21091A0422)	3	1	Hard Copy
4	ECE Chronicles (January - June 2023)	Dr. K. Mallikarjuna	V.Eswar Manideep (22095A0410)	4	2	Hard Copy
5	ECE Chronicles (January - June 2023)	Dr. K. Mallikarjuna	P. Sreekar Praneeth (21091A04K1)	4	2	Hard Copy
6	ECE Chronicles (January - June 2023)	Dr. K. Mallikarjuna	S. Bhargavi (21091A0422)	4	2	Hard Copy

4.7.4 Student Publications (5)

Institute Marks : 5.00

**Table No. 4.7.4.1: List of student publications.
(CAYm1) 2024-25**

S.No	Name of the Student	Semester	Name of the Publisher	Name of the Journal/ Conference, etc.	Volume No.	Issue No.	Name of the Award if any
1	P. Muni Teja (22095A0422)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
2	D. Nisheth (21091A04C3)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
3	A. Bharath (21091A0420)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
4	S. Farook (21091A0444)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
5	P. Hemalatha (22095A0414)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
6	G. Guru Mahammad Basha (21091A0491)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
7	G. Priya Sunny Raju (21091A04D8)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
8	S. Sameer Hussain (21091A04G3)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
9	S. Sreekalyani (21091A04K0)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
10	K. Bhanu Prakash (21091A0417)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
11	G. Dileep Kumar Raja (21091A0434)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
12	D. Rama Krishna Goud (21091A04E6)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
13	B. Lavanya (21091A0481)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
14	C. Maheswar Reddy (22095A0421)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
15	R. Siddhartha Varma (21091A04Q2)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
16	M. Sravan Kumar (21091A04J6)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
17	B. Vasantha Lakshmi (21091A04P8)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
18	M. Thanusri (21091A04N5)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-

19	G. Manjula (21091A04A2)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
20	N. Vamsikrishna (21091A04P5)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
21	K. Upendra (21091A04P3)	8	Polish Academy of Sciences and Warsaw Science Publishers of the Polish Academy of Sciences in Poland	International Journal of Electronics and Telecommunication	71	2	-
22	D. Sashidhar (21091A04H0)	8	Polish Academy of Sciences and Warsaw Science Publishers of the Polish Academy of Sciences in Poland	International Journal of Electronics and Telecommunication	71	2	-
23	K. Ramachandra Reddy (22095A0427)	8	Polish Academy of Sciences and Warsaw Science Publishers of the Polish Academy of Sciences in Poland	International Journal of Electronics and Telecommunication	71	2	-
24	N. Naga Sai Vikranth (20091A04A1)	8	Polish Academy of Sciences and Warsaw Science Publishers of the Polish Academy of Sciences in Poland	International Journal of Electronics and Telecommunication	71	2	-
25	V. Devendra (20091A0429)	8	Polish Academy of Sciences and Warsaw Science Publishers of the Polish Academy of Sciences in Poland	International Journal of Electronics and Telecommunication	71	2	-
26	G. Gopinath (21091A0449)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
27	B. Charitha (21091A0427)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
28	G. Dharma Teja (22095A0408)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
29	B. Lomith Reddy (21091A0484)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
30	G. Nagasudeep (22095A0423)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
31	A. Meghana (21091A04A9)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
32	K. Ganesh (21091A0446)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
33	G. Puneeth (21091A04E1)	8	International Publications (US)	Communications on Applied Nonlinear Analysis	32	10	-
34	R. Nagesh (21091A04C0)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
35	K. Sreenivas (22095A0435)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
36	K. Praveen Madiga (22095A0424)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-

37	R. Honock (21091A0457)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
38	B. Manoj Kumar Reddy (21091A04A3)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
39	D. Ravikumar (21091A04F1)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
40	P. Sreekar Praneeth (21091A04K1)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
41	G. Vyshnavi (21091A04R4)	8	Published by China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	3	-
42	J. Praveen (22095A0425)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
43	M. Mani Kumar Naik (21091A0499)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
44	K. Shiva Shankar (21091A04H6)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
45	G. Venu (21091A04Q9)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
46	N. Keerthi (21091A0475)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
47	G. Sruthi Keerthi (21091A04K8)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
48	I. Durga Manoj (21091A0439)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
49	T. Venkata Subhasini (21091A04Q5)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
50	B. Madhavi (21091A0486)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
51	R. Bharathsimha Reddy (21091A0421)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
52	M. Mythili (21091A04B5)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
53	B. Naga Sowjanya (21091A04B6)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
54	B. Sumama (21091A04M7)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
55	B. Purushotham (22095A0426)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-

56	B. Sai Keerthana (22095A0430)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
57	R. Naveen (21091A04C2)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
58	S. Abdul Rahim (22095A0402)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
59	S. Shaheen (21091A04H1)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
60	M. Pavan Kumar (21091A04C8)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
61	M. Farhana Begum (21091A0442)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
62	M. Anusha (21091A0408)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
63	P. Chenna Sai (21091A0428)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
64	V. Varshith Kumar (21091A04P7)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
65	K. Harika (22095A0413)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
66	K. Pavani (21091A04C9)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
67	M. Hari Ram (21091A0452)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
68	M. Sai Krithi (21091A04F5)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
69	U. Mahesh (21091A0493)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
70	C. Veda Murthy (21091A04Q0)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
71	K. Anjaneya Reddy (21091A0405)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
72	B. Yadavendra Reddy (21091A04R6)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
73	R. Malliswari (21091A0496)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
74	K. Sai Tanuja (21091A04F9)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-

75	S. Police Asif (21091A04D2)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
76	K. Kalyani (21091A0470)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
77	N. Varun Kumar (22095A0436)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
78	V. Saihemanth (21091A04G2)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
79	O. Dharma Teja (21091A0433)	8	Atlantis Press (as part of the Advances in Computer Science Research series)	International conference on computer science and communication engineering (ICCSCE-2025)	0	0	-
80	B. Anusha (21091A0407)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
81	K. Ravi Kumar (21091A04F0)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
82	S. Raheem Basha (21091A04E2)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
83	V. Karthik (21091A0472)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
84	K. Sudheer (21091A04M3)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
85	V. Eswar Manideep (22095A0410)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
86	E. Sharath Kumar (21091A04H2)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
87	K. Kiran Kumar Naik (21091A0477)	8	International Publications	Communications on Applied Nonlinear Analysis	32	10	-
88	B.Sindhuja (21091A04J0)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
89	Y.Mahesh (21091A0494)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
90	L.Ashok Kumar Reddy (21091A0412)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
91	K.Ashok (21091A0413)	8	China National Publications Import and Export (Group) Corporation	Journal of Civil and Environmental Engineering	13	2	-
92	B.Chandra Obulreddy (21091A0424)	8	Power System Technology Press in partnership with the State Grid Corporation of China (SGCC)	Power system technology	49	1	-
93	U. Tanooja (19091A04N9)	8	Power System Technology Press in partnership with the State Grid Corporation of China (SGCC)	Power system technology	49	1	-
94	B. Indra Senani (21091A0459)	8	Power System Technology Press in partnership with the State Grid Corporation of China (SGCC)	Power system technology	49	1	-

95	S. Prudhvinath Reddy (21091A04D9)	8	Power System Technology Press in partnership with the State Grid Corporation of China (SGCC)	Power system technology	49	1	-
96	P. Pujitha (21091A04E0)	8	International Publications (United States)	Communications on Applied Nonlinear Analysis	32	10	-
97	K. Swarnalatha (20091A04M4)	8	International Publications (United States)	Communications on Applied Nonlinear Analysis	32	10	-
98	S. Maisa (18091A0495)	8	International Publications (United States)	Communications on Applied Nonlinear Analysis	32	10	-
99	P. Kalyan Kumar (20091A0461)	8	International Publications (United States)	Communications on Applied Nonlinear Analysis	32	10	-
100	C. Susmitha (19091A04N6)	8	American Institute of Physics (USA)	AIP conference proceedings	3028	1	-
101	Bala Dastagiri Swamy (20095A0403)	8	American Institute of Physics (USA)	AIP conference proceedings	2028	1	-

(CAYm2) 2023-24

S.No	Name of the Student	Semester	Name of the Publisher	Name of the Journal/ Conference, etc.	Volume No.	Issue No.	Name of the Award if any
1	G. Kranthi Kumar (23095A0409)	4	Department of EEE, RGM CET	XX National level technical symposium	0	0	Second Prize
2	G. Kranthi Kumar (23095A0409)	4	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	Second Prize
3	Y. Tanmai (23091A04M5)	2	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
4	Syed Arshiya (22091A0417)	4	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
5	D. Abhinay (22091A0404)	4	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
6	Kodiganti Lavanys (21091A0432)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
7	Yerram Banu Prakash (21091A0415)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
8	Y. Vasanthi (21091A04P9)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
9	Gidi Gidi Geetha (21091A0448)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
10	Kempula Pavani (23095A0419)	4	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
11	Vutukuri Eswar Manideep (22095A0410)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
12	Machiraju Hari Ram (21091A0452)	6	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-
13	Janagari Suguna (23095A0432)	4	Department of ECE, RGM CET	National level technical symposium Ripple 2K24	0	0	-

(CAYm3) 2022-23

S.No	Name of the Student	Semester	Name of the Publisher	Name of the Journal/ Conference, etc.	Volume No.	Issue No.	Name of the Award if any
1	Mulla Alfisha (19091A0407)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
2	Kummitha Vamsi Krishna (20095A0422)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
3	Kundana Manisri Meda (19091A0477)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
4	Peddi Reddy Karthik Reddy (19091A0473)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
5	B Surendra Reddy (19091A04N2)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
6	M Surekha (19091A04M8)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
7	M Rakesh (20095A0413)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
8	B Siva (19091A04J9)	8	AIP Conference Proceedings	International Conference on Emerging Trends in ECE (ICETEC - 2023)	0	0	-
9	G. Sathyalu (21095A0420)	8	Department of CSE, RGM CET	National level technical symposium Ripple 2K23	0	0	-
10	E. Sai Vyshnavi (20091A04G1)	8	Department of CSE, RGM CET	National level technical symposium Ripple 2K23	0	0	-

5 FACULTY INFORMATION (100)

Total Marks 85.50

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr.J.Sofia Priya Dharshini	AISPJ3268P	676849743688	Ph.D	JNTUA, Anantapuramu	Wireless Communications & Networks	01/07/2005	20.7	Assistant Professor	Professor	01/07/2024	Regular	Yes		Yes
2	Dr.D.Satya Narayana	AGRPD5827D	303426070851	Ph.D	JNTU, Hyderabad	Speech Signal Processing	22/07/1996	29.5	Lecturer	Professor	16/05/2008	Regular	Yes		No
3	Dr.A.Sathish	AEMPA5325E	594144881014	Ph.D	JNTU, Hyderabad	Low power VLSI	20/06/2003	22.6	Assistant Professor	Professor	20/10/2015	Regular	Yes		No
4	Dr.P.V.Gopi Krishna Rao	ANRPP1120C	747426394366	Ph.D	JNTUK, Kakinada	Robust Control Systems	05/07/2002	23.6	Assistant Professor	Professor	20/10/2015	Regular	Yes		No
5	Dr.K.Mallikarjuna	ALKPK0252D	223670363095	Ph.D	JNTUK, Kakinada	Image Compression	16/06/2003	21	Assistant Professor	Professor	20/01/2017	Regular	No	29/06/2024	No
6	Dr.V.N.V.Satya Prakash	AEYPV2832D	863256102468	Ph.D	JNTUK, Kakinada	Image processing	01/08/2001	24.5	Assistant Professor	Professor	01/01/2019	Regular	Yes		No
7	Dr.S.Govindarajulu	ANTPG1544R	558554747331	Ph.D	JNTU, Hyderabad	VLSI	03/05/2024	1.8	Professor	Professor	03/05/2024	Regular	Yes		No
8	Dr.R.Hanuma Naik	AJXPN2873L	650518987383	Ph.D	JNTUA, Anantapuramu	Multivariable control system	01/07/2006	19.6	Assistant Professor	Associate Professor	01/01/2015	Regular	Yes		No
9	Dr.C.Venkataiah	AKEPV5045N	787443607513	Ph.D	JNTUK, Kakinada	VLSI interconnects	01/07/2009	16.6	Assistant Professor	Associate Professor	03/03/2022	Regular	Yes		No
10	Dr.N.Ramanjaneyulu	ALKPR2994P	725145965907	Ph.D	JNTUK, Kakinada	VLSI	01/09/2004	21.4	Assistant Professor	Associate Professor	20/12/2011	Regular	Yes		No
11	Dr.M.Chennakesavulu	APDPC2948D	872079862791	Ph.D	JNTUA, Anantapuramu	Low power VLSI	15/09/2004	21.4	Assistant Professor	Associate Professor	20/12/2011	Regular	Yes		No
12	Dr.N.Nagaraja Kumar	AGCPN3494P	346875355691	Ph.D	JNTUK, Kakinada	Image Processing	22/09/2005	20.3	Assistant Professor	Associate Professor	28/12/2009	Regular	Yes		No
13	Dr.Y.Madhushdhana Reddy	ALTPR2724G	332653778295	Ph.D	KLU, Vijayawada	Image Processing	22/06/2007	18.6	Assistant Professor	Associate Professor	01/01/2015	Regular	Yes		No
14	Dr.T.Suman	AIVPT6761A	538592228453	Ph.D	JNTUA, Anantapuramu	Signal Procusing	18/07/2024	1	Associate Professor	Associate Professor	18/07/2024	Regular	No	30/07/2025	No
15	Dr.S.V.Ratan Kumar	BKKPR2981J	725946702494	Ph.D	KLU, Vijayawada	VLSI	01/07/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Dr.Sayedu Khasim Noorbasha	AKEPN0439L	641659565636	Ph.D	Pandicherry University, Pandicherry	Signal Processing	20/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Dr.D.Usen	BAPPD1831A	167938648434	Ph.D	VIT, AP	Image processing	14/11/2022	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr.M.Krishna Reddy	BOPPM4209F	486822965733	Ph.D	KLU, Vijayawada	Wireless Communications & Networks	01/01/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr.J.Leela Mahendra Kumar	CCKPM7331Q	387728927211	M.Tech	JNTUA, Anantapur	DSCE	11/06/2008	17.7	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr.S.Abdul Rahim	CYCPS9227D	151912322142	M.Tech	JNTUA, Anantapur	DSCE	01/07/2010	15.3	Assistant Professor	Assistant Professor		Regular	No	22/10/2025	No
21	Ms.N.Fouzia Sulthana	ALZPN5853E	818654147857	M.Tech	JNTUA, Anantapur	Embedded Systems	23/07/2010	15.5	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.P.Chenadra Sekhar	EKKPS8844D	833179533957	M.Tech	JNTU, Hyderabad	DSCE	02/07/2012	13.6	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr.S.Kashif Hussain	BTAPS3863B	588627074881	M.Tech	SKD University, Anantapur	C&SP	01/07/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Smt.V.Saraswathi	EXHPS6113J	629162836567	M.Tech	JNTU, Hyderabad	DECS	01/07/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr.P.Rangappa	ARWPP7901N	957123564250	M.Tech	JNTUA, Anantapur	DSCE	01/07/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mr.M.V.Raja Sekhar	ANFPM2194M	278787100766	M.Tech	SKD University, Anantapur	Commu. & Signal Processing	04/07/2016	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Smt.M.Maheswari	BHDPM9839G	386049278369	M.Tech	JNTUA, Anantapur	Embedded Systems	19/06/2017	8.6	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Smt.N.Lakshmi Prasanna	BTOPN9746G	950836563271	M.Tech	JNTUA, Anantapur	DSCE	08/01/2018	8	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Smt.M. Prasanthi	BFRPM9068K	740072399301	M.Tech	JNTUA, Anantapur	DSCE	06/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mr.K.Masthanvali	BJFPV7482J	516917508001	M.Tech	JNTUA, Anantapur	Embedded Systems	07/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Smt.K.Mounika	EHWPM6262D	948111086856	M.Tech	JNTUA, Anantapur	Embedded System	07/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Mr.S.Lakshmi Venkata Krishna	EWCPSS8482J	505075193156	M.Tech	JNTUA, Anantapur	DECS	07/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Mr.C.Dasthagiraiah	ASHPC9915H	201787202032	M.Tech	JNTUA, Anantapur	DSCE	10/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No

34	Mr.P.Ananda Rao	CFXPR0897C	618516566365	M.Tech	JNTUA, Anantapur	VLSI System Design	10/02/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Smt. R.Sireesha	AMYPR4086K	342426927362	M.Tech	JNTU, Hyderabad	Embedded Systems	04/03/2021	4.10	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mr.T.Tirumalesh	AQHPT7851P	845997049752	M.Tech	JNTUA, Anantapur	DSCE	01/04/2021	3.4	Assistant Professor	Assistant Professor		Regular	No	31/07/2024	No
37	Smt.B.Indu	CZFPB5158N	369662575557	M.Tech	JNTUA, Anantapur	Embedded Systems	01/12/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Smt.G.I.Lakshmi Prasanna	BWKPG4043A	881807901826	M.Tech	JNTUA, Ananthapuramu	Embedded Systems	16/04/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Smt.D.Sandhya Rani	CCUPD8910J	548438377946	M.Tech	JNTUA, Ananthapuramu	VLSI	18/04/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Smt.G.Yashaswini	BWGPG8617J	783048179885	M.Tech	JNTUA, Ananthapuramu	VLSI	08/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mr.D.Rajesh Setty	AFHPD0140G	547930229908	M.Tech	JNTU, Hyderabad	Instrumentation control Systems	08/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Smt.B.Nazma	BRTPB1835P	650717500398	M.Tech	JNTUA, Ananthapuramu	VLSI	18/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Smt.G.Bindhu Bhargavi	BSDPG1037K	535163565914	M.Tech	JNTUA, Ananthapuramu	Communication & Signal Processing	19/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Mr.K.Anil Kumar	CCXPK9960N	560527489698	M.Tech	JNTUA, Ananthapuramu	Communication & Signal Processing	20/07/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Mr.K.Nagendra Kumar	AMOPN5418P	370276579476	M.Tech	JNTUA, Ananthapuramu	VLSI System Design	08/08/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Mr.Shaik Asif Basha	BDTPB7485B	208939390341	M.Tech	JNTUH, Hyderabad	VLSI System Design	10/10/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Mr.M.Anand Vijaya Kamalanath	AQXPM9939M	973183608346	M.Tech	JNTUH, Hyderabad	DSCE	10/10/2022	2.8	Assistant Professor	Assistant Professor		Regular	No	30/06/2025	No
48	Mr.D.Yovan Snanagan Ponselvan	ACTPY5958Q	612330248046	M.Tech	Anna University of Technology, Tirunelveli	Applied Electronics	27/10/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
49	Mr.P.Mahesh	BCLPP0386C	346465393373	M.Tech	Anna University, Chennai	Embedded Systems	27/10/2022	2.8	Assistant Professor	Assistant Professor		Regular	No	10/07/2025	No
50	Smt.B.Geetharani	AZBPB9189R	113590359774	M.Tech	JNTUA, Ananthapuramu	DECS	22/02/2023	1.10	Assistant Professor	Assistant Professor		Regular	No	18/01/2025	No
51	Mr.D.Bala Krishna Reddy	AWUPB5548C	711986795697	M.Tech	NITC, Calicut, Kerala	Signal Processing	22/02/2023	1.4	Assistant Professor	Assistant Professor		Regular	No	02/07/2024	No

52	Smt.Mancha Maheswari	CRPPM7484N	314017229539	M.Tech	JNTUH, Hyderabad	Embedded Systems	13/06/2023	0.9	Assistant Professor	Assistant Professor		Regular	No	30/03/2024	No
53	Smt.B.Bindu	COYPB5049E	716163001529	M.Tech	JNTUA, Ananthapur	VLSI	15/09/2023	2.3	Assistant Professor	Assistant Professor		Regular	Yes		No
54	Smt.B.Sowjanya	AVEPB3673P	283464460037	M.Tech	JNTUH, Hyderabad	Systems & Signal Processing	01/02/2024	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
55	Smt.B.Likhitha	BHAPL1432P	115154014448	M.Tech	JNTUA, Anantapur	DSCE	01/01/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
56	Mr.N.Vinod Kumar	BAQPN9907A	330250692288	M.Tech	JNTUA, Anantapuramu	Embedded Systems	15/04/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
57	Smt.Y.Saraswathi	AUGPY7160B	913951165528	M.Tech	JNTUK, Kakinada	DECS	23/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No

5.1 Student-Faculty Ratio (SFR) (30)

Total Marks 24.00

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

UG

No. of UG(Engineering) programs in Department including allied departments/clusters(UGn):

Electronics & Communication Engineering						
Year of Study	CAY		CAYm1		CAYm2	
	(2025-26)		(2024-25)		(2023-24)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd Year	240	24	240	24	240	24
3rd Year	240	24	240	24	240	24
4th Year	240	24	240	24	240	24
Sub-Total	720	72	720	72	720	72
Total	792		792		792	
Grand Total	<input type="text" value="792"/>		<input type="text" value="792"/>		<input type="text" value="792"/>	

PG

No. of PG Programs in the Department

VLSI Design			
Year of Study	CAY(2025-26)	CAYm1(2024-25)	CAYm2 (2023-24)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	18	9	9
2nd Year	9	9	0
Total	27	18	9
Grand Total	27	18	9

SFR

No. of UG Programs in the Department

No. of PG Programs in the Department

Electronics & Communication Engineering VLSI Design

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	264	264	264
UG1.C	264	264	264
UG1.D	264	264	264
UG1: Electronics & Communication Engineering	792	792	792
PG1.A	18	9	9
PG1.B	9	9	0
PG1: VLSI Design	27	18	9
DS=Total no. of students in all UG and PG programs in the Department	819	810	801
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 819	S2= 810	S3= 801
DF=Total no. of faculty members in the Department	48	48	48
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 48	F2= 48	F3= 48
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	3	3
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 18.20	SFR2= 18.00	SFR3= 17.80
Average SFR for 3 years	SFR= 18.00		

Average SFR for three assessment years : 18.00

Assessment SFR : 22

5.2 Faculty Qualification (25)

Total Marks 17.50

Institute Marks : 17.50

Year	X	Y	RF	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	16	32	40.00	18.00
2024-25(CAYm1)	15	33	40.00	17.62
2023-24(CAYm2)	13	35	40.00	16.88

Average Assessment : 17.50

5.3 Faculty Cadre Proportion (25)

Total Marks 25.00

Institute Marks : 25.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2025-26)	4.00	6.00	9.00	6.00	27.00	36.00
CAYm1(2024-25)	4.00	6.00	9.00	7.00	27.00	35.00
CAYm2(2023-24)	4.00	5.00	8.00	6.00	26.00	37.00
Average Numbers	4.00	5.67	8.67	6.33	26.67	36.00

Cadre Ratio Marks $[(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5$: 25.00**5.4 Visiting/Adjunct/Emeritus Faculty etc. (10)**

Total Marks 10.00

Table No. 5.4.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.**(CAYm1) 2024-25**

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. R. Vijayarajan	Associate Professor	VIT, Chennai	Digital Image Processing	24.00
2	Dr. B. P. T. Madhav	Professor	KLU, Vijayawada	Communication Systems	12.00
3	Sri. D. Sai Sathish	Founder & CEO	Indian Servers, Vijayawada	Machine Learning	24.00

(CAYm2) 2023-24

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. R. Vijayarajan	Associate Professor	VIT, Chennai	Computer Vision	24.00
2	Sri. D. Sai Sathish	Founder & CEO	Indian Servers, Vijayawada	Machine Learning and its Applications	24.00
3	Sri. Paul Kollanoor Ittoopunny	Principal Engineer	IC Design at Broadcom, Bangalore	VLSI	18.00

(CAYm3) 2022-23

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. R. Vijayarajan	Associate Professor	VIT, Chennai	Computer Vision	30.00
2	Sri. Paul Kollanoor Ittoopunny	Principal Engineer	IC Design at Broadcom, Bangalore	VLSI	30.00

5.5 Faculty Retention (10)

Total Marks 9.00

Description	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section 5.1 of SAR; (RF=S/20).	40	40	40
AF=The no. of available faculty members in the Department including allied Departments	48	48	41
A= The no. of faculty members at the current institute with less than 1 year of experience (A in AF)	1	0	8
B= The no. of faculty members at the current institute with more than 1 year and less than 2 years of experience (B in AF)	2	2	5
C= The no. of faculty members at the current institute with more than 2 years and less than 3 years of experience (C in AF)	3	2	3
D= The no. of faculty members at the current institute with more than 3 years and less than 4 years of experience (D in AF)	12	13	3
E= The no. of faculty members at the current institute with more than 4 years of experience (E in AF)	30	31	22
FR= $((A*0) + (B*1) + (C*2) + (D*3) + (E*4)) / RF$ *2.50 (points limited to 10)	10	10	7

Average : 9.00

Assessment Marks : 9.00

6 FACULTY CONTRIBUTIONS (120)

Total Marks 113.51

6.1 Professional Development Activities (60)

Total Marks 59.51

6.1.1 Memberships in Profession Societies at National/International Levels (5)

Table No. 6.1.1.1: List of faculty members and their memberships.

S.No	Name of the Faculty	Name of the Professional Society /Body at National and International Level	Name of the Grade/ Level/Position
1	Dr. T. Jayachandra Prasad	IE	Fellow
2	Dr. T. Jayachandra Prasad	ISTE	Member
3	Dr. T. Jayachandra Prasad	NAFEN	Member
4	Dr. T. Jayachandra Prasad	IETE	Member
5	Dr. T. Jayachandra Prasad	IEEE	Member
6	Dr. D. Satya Narayana	ISTE	Member
7	Dr. D. Satya Narayana	IETE	Fellow
8	Dr. J. Sofia Priyadharshini	IE	Member
9	Dr. J. Sofia Priyadharshini	ISTE	Member
10	Dr. A. Sathish	ISTE	Member
11	Dr. A. Sathish	IETE	Member
12	Dr. A. Sathish	IAENG	Member
13	Dr. P. V. Gopi Krishna Rao	ISOI	Member
14	Dr. P. V. Gopi Krishna Rao	IAENG	Member
15	Dr. P. V. Gopi Krishna Rao	ISRD	Member
16	Dr. V. N. V. Satya Prakash	ISTE	Member
17	Dr. V. N. V. Satya Prakash	IETE	Fellow
18	Dr. V. N. V. Satya Prakash	IE	Member
19	Dr. S. Govindarajulu	ISTE	Member
20	Dr. R. Hanuma Naik	IAENG	Member
21	Dr. N. Ramanjaneyulu	IETE	Member
22	Dr. N. Ramanjaneyulu	ISTE	Member
23	Dr. N. Ramanjaneyulu	IE	Member
24	Dr. M. Chennakesavulu	IETE	Member
25	Dr. N. Nagaraja Kumar	IETE	Member
26	Dr. Y. Madhushdhana Reddy	ISOI	Member
27	Mr. J. Leela Mahendra Kumar	AENG	Member
28	Ms. N. Fouzia Sulthana	IE	Member
29	Smt. V. Saraswathi	IE	Member
30	Smt. R. Sireesha	ISTE	Member
31	Mr. D. Rajesh Setty	IETE	Member

32	Mr. D. Rajesh Setty	ISTE	Member
33	Dr. M. Krishna Reddy	AENG	Member
34	Dr. M. Krishna Reddy	ICTSD	Member
35	Mr. P. Rangappa	ISTE	Member
36	Dr. D. Usen	ISTE	Member
37	Dr. J. Sofia Priya Dharshini	AENG	Member
38	Dr. Y. Madhu Sudhana Reddy	IAENG	Member
39	Dr. D. Usen	IAENG	Member
40	Mr. P. Rangappa	IAENG	Member
41	Dr. C. Venkataiah	IAENG	Member
42	Dr. C. Venkataiah	MISTE	Member
43	Smt. M. Maheswari	IAENG	Member
44	Mr.P.Rangappa	IAEEEE	Member
45	Dr. J. Sofia Priya Dharshini	IEEE	Member
46	Dr.D.Usen	IAEEEE	Member
47	Dr. N. Ramanjaneyulu	IAENG	Member

6.1.2 Faculty as Resource Persons or Participants in STTPs/FDPs (10)

Institute Marks : 5.00

6.1.2.1 Faculty as Resource Persons in STTPs/FDPs (5)

**Table No. 6.1.2.1: List of faculty members as resource person in STTP/FDP events.
(CAYm1) 2024-25**

S.No	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date (DD/MM/YYYY)	Location	Organized by
1	Dr. P. V. Gopi Krishna Rao	Navigating the world of Intellectual Property: Protection, Patents, and Commercialization	11/11/2024	RGM CET, Nandyal	IIC, RGM CET
2	Dr. P. V. Gopi Krishna Rao	Startup eco system – A way forward	23/01/2025	RGM CET, Nandyal	ECE, RGM CET
3	Dr. P. V. Gopi Krishna Rao	ARDUBOTICS	04/01/2025	RGM CET, Nandyal	ECE, RGM CET
4	Dr. P. V. Gopi Krishna Rao	Outreach programs in Govt. High School, Panyam	24/01/2025	Panyam	Govt. High School, Panyam
5	Dr. P. V. Gopi Krishna Rao	Art of Innovation	27/02/2025	RGM CET, Nandyal	IIC, RGM CET
6	Dr. J. Sofia Priya Dharshini	Empowering Women in STEM	08/03/2025	Narasaraopeta Engineering College, Narasaraopeta	Narasaraopeta Engineering College
7	Dr. J. Sofia Priya Dharshini	5G and Beyond Unlocking the Potential of mmWave Technology	23/09/2024	Ashoka Women's Engineering College, Kurnool	Ashoka Women's Engineering College
8	Dr. J. Sofia Priya Dharshini	Next Generation Wireless Communication	14/02/2025	Sri Mittapalli Institute of Technolgy for Womem, Guntur	Sri Mittapalli Institute of Technolgy for Womem, Guntur

(CAYm2) 2023-24

S.No	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date (DD/MM/YYYY)	Location	Organized by
1	Dr. Sayedu Khasim Noorbasha	Modern Radar Systems and their Applications	11/08/2023	Santhiram Engineering college, Nandyal	Santhiram Engineering College, Nandyal
2	Dr. Y. Madhu Sudhan Reddy	Image processing applications using Machine learning algorithms	16/09/2023	SVR College of Engineering and Technology, Nandyal	SVR College of Engineering and Technology, Nandyal
3	Dr. D. Usen	Machine learning essentials from theory to practice	21/12/2023	Chalapathi Institute of Engineering and Technology, Gunturlam	Chalapathi Institute of Engineering and Technology
4	Dr. V. N. V. Satya Prakash	Fundamentals of Digital Image processing	09/02/2024	Audisankara university, Gudur	Audisankara university, Gudur
5	Dr. N. Ramanjaneyulu	How to write Assembly Level Language in 8086 Microprocessor	15/03/2024	SVR College of Engineering and Technology, Nandyal	SVR College of Engineering and Technology, Nandyal
6	Dr. J. Sofia Priya Dharshini	Applications of Microwave Signals in Agriculture	19/10/2023	SVR College of Engineering and Technology, Nandyal	SVR College of Engineering and Technology, Nandyal
7	Dr. R. Hanuma Naik	Automation for Process Industries with Real Time Case Studies	06/01/2024	Sridevi Womens Engineering College, Hyderabad	Sridevi Womens Engineering College, Hyderabad

(CAYm3) 2022-23

S.No	Name of the Faculty as Resource Person	Name of the STTP/FDP	Date (DD/MM/YYYY)	Location	Organized by
1	Dr. P. V. Gopi Krishna Rao	Graphical System Design	04/02/2023	RGMCET, Nandyal	ECE, IE(I) & ISTE Student chapters
2	Dr. P. V. Gopi Krishna Rao	Basics of Arduino	04/02/2023	RGMCET, Nandyal	ECE, IE(I) & ISTE Student chapters
3	Dr. P. V. Gopi Krishna Rao	Design Your Thinking	31/01/2023	RGMCET, Nandyal	MBA, RGMCET
4	Dr. P. V. Gopi Krishna Rao	Embedded system design	13/04/2023	Kurnool	Dept. of EEE, G. Pulla Reddy Engg. College
5	Dr. P. V. Gopi Krishna Rao	Outreach programs in ATAL schools	16/02/2023	Sugalimetta	A P Model School, Sugalimetta
6	Dr. P. V. Gopi Krishna Rao	Outreach programs in ATAL schools	17/02/2023	Akmakur	A P Model School, Bandi Atmakuru
7	Dr.J.Sofia Priya Dharshini	Advances in Wireless Communication	10/11/2022	Guduru	Audisankara College of Engineering for Women

6.1.2.2 Faculty Members' Participation in STTPs/FDPs (5)

Institute Marks : 4.51

Name of the faculty	Max 5 Per Faculty		
	2024-25(CAYm1)	2023-24(CAYm2)	2022-23(CAYm3)
Dr. D. Satya Narayana	1.00	2.00	2.00
Dr. A. Sathish	5.00	2.00	2.00
Dr. P. V. Gopi Krishna Rao	2.00	3.00	4.00
Dr. V. N. V. Satya Prakash	3.00	2.00	2.00
Dr. J. Sofia Priya Dharshini	3.00	2.00	2.00
Dr. S. Govindarajulu	3.00	1.00	2.00
Dr. R. Hanuma Naik	3.00	4.00	2.00
Dr. C. Venkataiah	2.00	4.00	3.00
Dr. N. Ramanjaneyulu	4.00	4.00	2.00
Dr. M. Chennakesavulu	2.00	3.00	2.00
Dr. N. Nagaraja Kumar	3.00	3.00	2.00
Dr. Y. Madhu Sudhana Reddy	3.00	2.00	3.00
Dr. S. V. Ratan Kumar	1.00	2.00	2.00
Dr. Sayedu Khasim Noorbasha	1.00	3.00	2.00
Dr. D. Usen	2.00	2.00	3.00
Mr. J. Leela Mahendra Kumar	4.00	2.00	2.00
Ms. N. Fouzia Sulthana	1.00	1.00	3.00
Mr. P. Chandra Sekhar	1.00	2.00	3.00
Mr. S. Kashif Hussain	1.00	2.00	2.00
Smt. V. Saraswathi	1.00	2.00	3.00
Mr. P. Rangappa	5.00	4.00	2.00

Mr. M. V. Raja Sekhar	2.00	2.00	2.00
Smt. M. Maheswari	2.00	2.00	2.00
Smt. R. Sireesha	2.00	2.00	2.00
Smt. D. Sandhya Rani	2.00	2.00	4.00
Mr. D. Rajesh Setty	2.00	2.00	3.00
Smt. B. Nazma	2.00	2.00	3.00
Smt. G. Bindhubhargavi	2.00	1.00	4.00
Mr. K. Anil Kumar	2.00	2.00	2.00
Mr. K. Nagendra Kumar	2.00	2.00	2.00
Mr. Shaik Asif Basha	2.00	2.00	3.00
Mr. D. Yovan Snanagan Ponselvan	5.00	1.00	4.00
Smt. B. Sowjanya	2.00	1.00	0.00
Dr. M. Krishna Reddy	2.00	0.00	0.00
Mr. C. Dastagiraiiah	1.00	1.00	1.00
Smt. K. Mounika	1.00	2.00	1.00
Smt. B. Indu	2.00	1.00	2.00
Mr. S. Lakshmi Venkata Krishna	1.00	1.00	1.00
Smt. G. I. Lakshmi Prasanna	1.00	2.00	1.00
Smt. B. Bindu	2.00	1.00	1.00
Smt. N. Lakshmi Prasanna	1.00	2.00	1.00
Mr. P. Ananda Rao	1.00	1.00	1.00
Smt. G. Yashaswini	1.00	2.00	1.00

Smt. M. Prasanthi	2.00	1.00	0.00
Mr. K. Mastan Vali	1.00	1.00	1.00
Sum	94.00	88.00	92.00
RDF = Number of faculty required to comply with the 20:1 student - faculty ratio in the Department alone, as per section 5.1 of SAR(RDF= DS / 20).	40.95	40.50	40.05
Assessment Points (AP)= (Sum/(0.5* RDF)) (Points limited to 5 for each assessment year)	4.59	4.35	4.59

Average assessment over 3 years: 4.51

6.1.3 Faculty Contribution in Development of SWAYAM MOOCs and other E-Content (7)

Institute Marks : 5.00

Table No. 6.1.3.1: List of faculty members developed MOOC course for the past 3 years.

S.No	Name of the Faculty	Name of the Course Developed and available online on Swayam platform by your Department faculty
1	Dr. N. Ramanjaneyulu	Electronics Devices and Circuits (https://www.youtube.com/playlist?list=PL5cMn2RE3PhtFpsHUaT2v7Bs83shjsG0Q)
2	Dr. N. Ramanjaneyulu	Pulse and Digital Circuits-Astable Multivibrator using BJT (https://www.youtube.com/playlist?list=PL5cMn2RE3PhuY3t-nbAlb6C7TBAqLso)
3	Dr. M. Chennakesavulu	Programmable Logic Array (https://www.youtube.com/watch?v=9kqHINRhTmQ&list=PLiAEkyZNwqJQ7NtcnFk3CXNdvc4kAfUgt)
4	Dr. M. Chennakesavulu	Electromagnetic and Transmission Lines (https://www.youtube.com/watch?v=OshZlbKIDgo&list=PLiAEkyZNwqJRpbXc29HavN30I7Fj1jwp)
5	Dr. M. Chennakesavulu	Electromagnetic and Transmission Lines (https://www.youtube.com/watch?v=KZvJ-Le5RBQ&list=PLiAEkyZNwqJROUnkhCUBXLhZ9fYmqR49o)
6	Dr.J.Sofia Priya Dharshini	Radar systems (https://www.youtube.com/live/BhhCCuBKgdk?si=hCCOtsbF111nU9PB)
7	Dr. J.Sofia Priya Dharshini	Design Thinking (https://www.youtube.com/live/JWbPKp9YJvk?si=V3T_12ItG6n5xRm)
8	Dr. N. Ramanjaneyulu	Network Analysis-Transient Analysis (https://www.youtube.com/playlist?list=PL5cMn2RE3PhtBtaEyTO-FGIURIYR6R0MG)
9	Dr. N. Ramanjaneyulu	Network Analysis-Network Theorems (https://www.youtube.com/playlist?list=PL5cMn2RE3PhsWNxRLSfb3DLA-Ha_GrSHW)
10	Dr.P.V.Gopi Krishna Rao	Model of Design Innovation Process(https://www.youtube.com/watch?v=sGx_pNT5gow)
11	Dr.P.V.Gopi Krishna Rao	Introduction to Design Thinking(https://www.youtube.com/watch?v=6LxonlrNXbw)
12	Dr.P.V.Gopi Krishna Rao	Memory Interfacing with 8086 Microprocessor(https://www.youtube.com/watch?v=fbmrhzTuiVl)

6.1.4 Faculty Certification of MOOCs through SWAYAM, etc. (8)

Institute Marks : 10.00

Table No. 6.1.4.1: List of faculty members obtained certification of MOOCs for the past 3 years.

S.No	Name of the Faculty	Name of Course Passed	Course Offered by (agency)	Grade obtained if any
1	Mr.J.Leela Mahendra Kumar	Intellectual Property	IIT Madras	Elite
2	Mr.J.Leela Mahendra Kumar	Digital System Design	IIT Madras	Silver
3	Mr.P.Rangappa	Intellectual Property	IIT Madras	Pass
4	Mr.P.Rangappa	Digital System Design	IIT Madras	Elite
5	Smt.B.Nazma	CMOS Digital VLSI Design	IIT Roorkee	Elite
6	Dr.S.Govindarajulu	Transmission Lines and Electromagnetic Waves	IIT Madras	Silver
7	Dr.S.Govindarajulu	RF and Microwave Networks	IIT Madras	Elite
8	Mr.J.Leela Mahendra Kumar	VLSI Design Flow: RTL to GDS	IIT Delhi	Elite
9	Mr.P.Rangappa	VLSI Design Flow: RTL to GDS	IIT Delhi	Elite
10	Smt.D.Sandhyarani	Digital Circuits	IIT Kharagpur	Pass
11	Smt.B.Nazma	Microelectronics: Devices to Circuits	IIT Roorkee	Silver
12	Smt.B.Nazma	System Design Through Verilog	IIT Guwahati	Elite
13	Dr.S.Govindarajulu	VLSI Design Flow: RTL to GDS	IIT Delhi	Silver
14	Mr.J.Leela Mahendra Kumar	Research Methodology	IIT Madras	Elite
15	Mr.P.Rangappa	Research Methodology	IIT Madras	Elite
16	Smt.B.Nazma	Intellectual Property Rights and Competition Law	IIT Kharagpur	Elite
17	Smt.B.Nazma	Research Methodology	IIT Madras	Silver
18	Dr.A.Sathish	Programming: Data Structures and Algorithms Using Python	IIT Madras	Elite
19	Dr.A.Sathish	Data Analytics with Python	IIT Roorkee	Silver
20	Dr.N.Ramanjaneyulu	Compiler Design	IIT Kharagpur	Pass
21	Dr.N.Ramanjaneyulu	Computer Networks and Internet Protocol	IIT Kharagpur	Pass
22	Mr.J.Leela Mahendra Kumar	Design and Analysis of VLSI Subsystems	IISC Bangalore	Pass
23	Mr.S.Kashif Hussain	Computer Vision and Image Processing-Fundamentals and Applications	IIT Guwahati	Elite
24	Smt.B.Nazma	Integrated Circuits, Mosfets, Op-Amps and their Applications	IISC Bangalore	Elite
25	Smt.B.Nazma	Design and Analysis of VLSI Subsystems	IISC Bangalore	Elite
26	Dr.S.Govindarajulu	Deep Learning	IIT Kharagpur	Elite
27	Dr.S.Govindarajulu	Fundamentals of Semiconductor Devices	IISC Bangalore	Pass
28	Dr.A.Sathish	Probability for Computer Science	IIT Kanpur	Pass
29	Dr.N.Ramanjaneyulu	Python for Data Science	IIT Madras	Elite
30	Dr.N.Nagaraja Kumar	Python for Data Science	IIT Madras	Pass
31	Dr.Y.Madhusudhana Reddy	Python for Data Science	IIT Madras	Pass

32	Mr.P.Rangappa	Python for Data science	IIT Madras	Elite
33	Dr.A.Sathish	Deep-Learning	IIT Madras	Pass
34	Dr.A.Sathish	Learning Analytics Tools	IIT Bombay	Silver
35	Dr.A.Sathish	Artificial Intelligence: Search Methods for Problem Solving	IIT Madras	Elite
36	Dr.N.Ramanjaneyulu	Deep-Learning	IIT Madras	Pass
37	Dr.N.Ramanjaneyulu	Introduction to Machine Learning	IIT Madras	Pass
38	Mr.P.Rangappa	Cloud Computing	IIT Kharagpur	Elite
39	Mr.P.Rangappa	Introduction to Machine Learning	IIT Madras	Elite
40	Smt.D.Sandhyarani	Microelectronics: Devices to Circuits	IIT Roorkee	Pass
41	Mr.K.Nagendra Kumar	Cloud Computing	IIT Kharagpur	Elite
42	Smt.B.Sowjanya	Digital Circuits	IIT Kharagpur	Elite
43	Mr.K.Anil Kumar	Research Methodology	IIT Madras	Elite
44	Mr.M.V.Raja Sekhar	Computer Vision and Image Processing-Fundamentals and Applications	IIT Guwahati	Elite
45	Smt.R.Sireesha	Computer Vision and Image Processing-Fundamentals and Applications	IIT Guwahati	Elite
46	Mr.P.Mahesh	Signal Processing Techniques and its Applications	IIT Kharagpur	Elite
47	Mr.K.Anil Kumar	Signal Processing Techniques and its Applications	IIT Kharagpur	Pass
48	Dr.S.V.Ratan Kumar	Introduction to Internet of Things	IIT Kharagpur	Elite
49	Mr.P.Rangappa	Design and Analysis of VLSI Subsystems	IISC Bangalore	Elite
50	Mr.P.Rangappa	Deep Learning	IIT Madras	Pass
51	Dr.N. Ramanjaneyulu	Advanced Computer Architecture	IIT Madras	Pass
52	Mr.D.Rajesh Setty	Integrated Circuits and Applications	IIT Guwathi	Elite
53	Mr.D.Rajesh Setty	Switching Circuits and Logic Design	IIT Kharagpur	Elite
54	Dr.N.Nagaraja Kumar	Introduction to Machine Learning	IIT Madras	Elite
55	Mr.P.Chandra Sekhar	Signals and Systems	IIT Mandi	Elite
56	Dr.R.Hanuma Naik	Introduction to Machine Learning	IIT Madras	Pass
57	Dr.R.Hanuma Naik	Deep Learning	IIT Kharagpur	Pass
58	Dr.R.Hanuma Naik	Introduction to Internet of Things	IIT Kharagpur	Elite
59	Dr.T.Suman	Introduction to Internet of Things	IIT Kharagpur	Elite
60	Dr.V.N.V.Satya Prakash	Computer Vision and Image Processing-Fundamentals and Applications	IIT Guwathi	Elite
61	Dr.A.Sathish	Deep-Learning	IIT Madras	Elite
62	Dr.A.Sathish	Introduction to Machine Learning	IIT Madras	Elite
63	Dr.C.Venkataiah	Python for Data Science	IIT Madras	Elite

64	Dr.C.Venkataiah	Deep Learning	IIT Madras	Pass
65	Dr.Y.Madhusudhana Reddy	Introduction to Machine Learning	IIT Madras	Pass
66	Mr.J.Leela Mahendra Kumar	Introduction to Internet of Things	IIT Kharagpur	Elite
67	Dr.S.Govindarajulu	Introduction to Machine Learning	IIT Madras	Pass
68	Smt.R.Sireesha	Research Methodology and IPR (Swayam)	NITTR Chennai	-
69	Mr.K.Nagendra Kumar	Research Methodology and IPR (Swayam)	NITTR Chennai	-

6.1.5 FDP/STTP Organized by the Department (10)

Institute Marks : 10.00

Table No. 6.1.5.1: List of FDPs/STPs organized by Department for the past 3 years.**(CAYm1) 2024-25**

S.No	Name of the Program	Date of the Program(DD/MM/YYYY)	Duration	Name of the Speaker & Designation and Organization	No. of People Attended
1	VLSI Design and Verification Techniques	17/12/2024	5	Dr. K. Vasudeva Reddy, Dr. Manoj Kumar Majumder	29
2	Industry 4.O: Emerging Trends and Applications	19/08/2024	5	Dr.M.Sudhakar, Mr Kartick Venkatraman Bhat, Mr Sandeep Kotikalapudi, Dr. M Mahesh,	50

(CAYm2) 2023-24

S.No	Name of the Program	Date of the Program(DD/MM/YYYY)	Duration	Name of the Speaker & Designation and Organization	No. of People Attended
1	Artificial Intelligence (AICTE-ATAL FDP)	16/10/2023	6	Mr. Rohit Kumar, Mr. Sai Satish, Ms. Sravani Peravali, Mr. S. Dinakar Reddy	38
2	Design and Analysis of Analog Circuits using Cadence Tools	15/01/2024	5	Dr.Shaik Rafi Ahamed, Dr.P.Rajesh Kumar	26

(CAYm3) 2022-23

S.No	Name of the Program	Date of the Program(DD/MM/YYYY)	Duration	Name of the Speaker & Designation and Organization	No. of People Attended
1	Implementation aspects of Machine Learning (ML) and Deep Learning (DL) Methods	02/03/2023	5	Dr.R.Vijay rajan Asso.Prof VIT,Chennai & Dr.R.Karthik Asst.Prof VIT,Chennai	31
2	Mixed signal circuit design using cadence tools	16/03/2023	5	Mr.Siva Prasad B K, Sr.Application Engineer, Entuple Technologies Pvt.Ltd, Bangalore	34
3	VLSI Design using CADENCE Tools	16/12/2023	5	Mr.T.Ashok Kumar Yadav, Mr.T.Gavanendra Kumar	34
4	Universal Human Values-II	23/08/2022	5	AICTE Sponsored	56

6.1.6 Faculty Support in Student Innovative Projects (10)

Institute Marks : 10.00

**Table No. 6.1.6.1: List of faculty members involved in student innovative projects.
(CAYm1) 2024-25**

S.No	Name of the Faculty	Name of the Event	Date of the Event(DD/MM/YYYY)	Place of Event	Website Link if any
1	Mr. P. Chandra Sekhar	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
2	Dr.J.Sofia Priya Dharshini	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
3	Dr. C. Venkataiah	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
4	Dr. Sayedu Khasim Noorbasha	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
5	Mr. Shaik Asif Bash	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
6	Smt. Y. Saraswath	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
7	Dr. S. Govindarajulu	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
8	Mr.K.Nagendra Kumar	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
9	Dr. V. N. V. Satya Prakash	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
10	Mr.J.Leela Mahendra Kumar	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
11	Dr.P.V.Gopi Krishna Rao	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
12	Mr.J.Leela Mahendra Kumar	Innovation fair competition	13/09/2024	RGMCET	www.rgmcet.edu.in
13	Mr. Shaik Asif Basha	Smart India Internal Campus Hackathon-2024	05/09/2024	RGMCET	www.rgmcet.edu.in
14	Dr.R.Hanuma Naik	Smart India Internal Campus Hackathon-2024	05/10/2024	RGMCET	www.rgmcet.edu.in
15	Mr. P. Chandra Sekhar	Smart India Internal Campus Hackathon-2024	05/10/2024	RGMCET	www.rgmcet.edu.in
16	Dr. N. Ramanjaneyulu	Smart India Internal Campus Hackathon-2024	05/10/2024	RGMCET	www.rgmcet.edu.in
17	Dr.N.Ramanjaneyulu	4 WEEK e-Yantra mooc	18/02/2024	IIT BOMBAY	https://www.e-yantra.org

(CAYm2) 2023-24

S.No	Name of the Faculty	Name of the Event	Date of the Event(DD/MM/YYYY)	Place of Event	Website Link if any
1	Mr. S. V. Ratan Kumar	IEEE YESIST12 PRELIMS	28/3/2024	IEEE RAS Hyderabad Section in Collaboration with T-Works	https://www.gprec.ac.in
2	Dr. Sayedu Kashim Noorbasha	TRACE-2K24	3/04/2024	RGM CET	www.rgmcet.edu.in
3	Mr. D. Usen	IEEE wie day 2023	28/07/2023	BY IEEE WIE AG-RGM CET	www.rgmcet.edu.in
4	Smt. M. Maheswari	PRAVAHA-2K24	14/03/2024	RGM CET	www.rgmcet.edu.in
5	Dr. C. Venkataiah	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
6	Smt. R. Sireesha	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
7	Mr. S. V. Ratan Kumar	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
8	Mr. P. Mahesh	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
9	Dr. T. Jayachandra Prasad	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
10	Smt. M. Maheswari	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
11	Mr. D. Usen	ViksitBharat@2047	15/03/2024	IIC RGM CET	www.rgmcet.edu.in
12	Ms.M.Maheswari	RIPPLE2K24	5/06/2024	RGM CET	www.rgmcet.edu.in
13	Smt. M. Maheswari	NATIONAL LEVEL TECHNICAL SYMPOSIUM RIPPLE-2K24	01/03/2024	RGM CET	www.rgmcet.edu.in
14	Mr. S. V. Ratan Kumar	NATIONAL LEVEL TECHNICAL SYMPOSIUM RIPPLE-2K24	01/03/2024	RGM CET	www.rgmcet.edu.in
15	Dr. P. V. Gopi Krishna Rao	NATIONAL LEVEL TECHNICAL SYMPOSIUM RIPPLE-2K24	05/03/2024	IIC RGM CET PROMOTING VIKSIT BHARAT@2047	www.rgmcet.edu.in
16	Dr. P. V. Gopi Krishna Rao	NATIONAL LEVEL TECHNICAL SYMPOSIUM RIPPLE-2K24	05/03/2024	IIC RGM CET PROMOTING VIKSIT BHARAT@2047	www.rgmcet.edu.in
17	Dr. J. Sofia Priya Dharshini	NATIONAL LEVEL TECHNICAL SYMPOSIUM RIPPLE-2K24	05/03/2024	IIC RGM CET PROMOTING VIKSIT BHARAT@2047	www.rgmcet.edu.in
18	B GEETHA RANI	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGM CET	https://alumni.rgmcet.edu.in
19	Dr. P. V. Gopi Krishna Rao	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGM CET	https://alumni.rgmcet.edu.in
20	Mr. K. Nagendra Kumar	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGM CET	https://alumni.rgmcet.edu.in
21	Smt. B. Nazma	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGM CET	https://alumni.rgmcet.edu.in
22	Dr. P. V. Gopi Krishna Rao	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGM CET	https://alumni.rgmcet.edu.in

23	Smt. M. Maheswari	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in
24	Smt. M. Maheswari	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in
25	Dr. C. Venkataiah	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in
26	Dr. V. N. V. Satya Prakash	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in
27	Mr. J. Leela Mahendra Kumar	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in
28	Mr. P. Chandra Sekhar	YESIST 12-2024 PRELIMS ENTILTLED SAMRIDDHI IEEE	04/03/2024	RGMCET	https://alumni.rgmcet.edu.in

(CAYm3) 2022-23

S.No	Name of the Faculty	Name of the Event	Date of the Event(DD/MM/YYYY)	Place of Event	Website Link if any
1	Smt. V. Saraswathi	Smart India Hackathon-2022	25/08/2022	Rena University, Bangalore	https://www.reva.edu.in
2	Dr. M. Chennakesavulu	Smart India Hackathon-2022	25/08/2022	Rena University, Bangalore	https://www.reva.edu.in
3	Dr. C. Venkataiah	Smart India Hackathon-2022	25/08/2022	Rena University, Bangalore	https://www.reva.edu.in
4	Dr. A. Sathish	Smart India Hackathon-2022	25/08/2022	Rena University, Bangalore	https://www.reva.edu.in
5	Mr. P. Chandra Sekhar	SIGMA-2K23	03/03/2023	Santhiram Engineering College, Nandyal	www.sreknandyal.edu.in
6	Mr. P. Chandra Sekhar	SIGMA-2K23	03/03/2023	Santhiram Engineering College, Nandyal	www.sreknandyal.edu.in
7	Mr. D. Rajesh Setty	SIGMA-2K23	03/03/2023	Santhiram Engineering College, Nandyal	www.sreknandyal.edu.in
8	Dr. D. Satyanarayana	SIGMA-2K23	03/03/2023	Santhiram Engineering College, Nandyal	www.sreknandyal.edu.in
9	Dr. P. V. Gopi Krishna Rao	SIGMA-2K23	03/03/2023	Santhiram Engineering College, Nandyal	www.sreknandyal.edu.in
10	Dr. D. Satyanarayana	DILLANA'2K23 A NATIONAL LEVEL TECH FEST-2023	17/03/2023	SVR ENGINEERING COLLEGE	https://svrec.ac.in
11	Mr. D. Rajesh Setty	DILLANA'2K23 A NATIONAL LEVEL TECH FEST-2023	17/03/2023	SVR ENGINEERING COLLEGE	https://svrec.ac.in
12	Smt. B. Nazma	IDEATHON ON INNOVATION	19/04/2023	MIC-INSTITUTION'S INNOVATION COUNCIL(IIC)-RGM CET	https://svrec.ac.in
13	Smt. B. Nazma	CODEATHON ON INNOVATION	19/04/2023	MIC-INSTITUTION'S INNOVATION COUNCIL(IIC)-RGM CET	https://svrec.ac.in
14	Dr. D. Satyanarayana	INNOVATION,DESIGN AND ENTREPRENEURSHIP(IDE) BOOTCAMP	22/06/2023	MIC AND AICTE NITTTR,CHENNAI	https://bootcamp.mic.gov.in
15	Ms.N.Fouzia Sulthana	ICETEC-2023	15/04/2023	RGM CET	www.rgmcet.edu.in
16	Ms.R.Sireesha	ICETEC-2023	15/04/2023	RGM CET	www.rgmcet.edu.in

6.1.7 Faculty Internship/Training/Collaboration with Industry (10)

Institute Marks : 10.00

Table No. 6.1.7.1: Faculty internship/training/collaboration details.

S.No	Name of the Faculty	Name of the Internship/ Training/ Collaboration	Name of the Company & Place	Duration	Outcomes of Internship/ Training/ Collaboration
1	Mr. P. Chandra Sekhar	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
2	Smt. M. Maheswari	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
3	Mr. K. Nagendra Kumar	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
4	Mr. P. Rangappa	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
5	Smt. M. Maheswari	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
6	Dr. R. Hanuma Naik	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
7	Dr. J. Sofia Priya Dharshini	AI-Powered Computer Vision for Smart Agriculture and Healthcare Applications	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
8	Mr. D. Yovan Snanagan Ponselvan	Machine Learning and Cyber Physical Systems	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
9	Dr. D. Satyanarayana	Artificial Intelligence and Data Science	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
10	Dr. Sayedu Khasim Noorbasha	Deep Learning: Fundamentals and Applications	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
11	Dr. V. N. V. Satya Prakash	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
12	Dr. C. Venkataiah	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
13	Dr. N. Ramanjaneyulu	Machine Learning	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
14	Dr. M. Chennakesavulu	Artificial Intelligence and Data Science	AICTE QIP PG Certification Programme	6 Months	Promote Interdisciplinary Learning and Collaboration
15	Dr. V. N. V. Satya Prakash	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
16	Dr. R. Hanuma Naik	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
17	Dr. N. Nagaraja Kuma	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
18	Dr. Y. Madhu Shdhana Reddy	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
19	Mr. S. V. Ratan Kumar	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
20	Mr. S. Kashif Hussain	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students

21	Mr. P. Rangappa	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
22	Mr. M. V. Raja Sekhar	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
23	Smt. M. Maheswari	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
24	Mr. M. A. Vijaya Kamalanath	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
25	Dr. J. Sofia Priya Dharshini	Advanced MATLAB Training	Mathwork office,raidurg,hyderabad	2 Days	Develope Projects for B.Tech Students
26	Dr. A. Sathish	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
27	Dr. C. Venkataiah	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
28	Dr. M. Chennakesavulu	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students
29	Mr. J. Leela Mahendra Kumar	VLSI Design Flow using Cadence Software	Entuple Technologies Pvt. Ltd. Bengaluru	5 Days	Design and Implement projects for B.Tech Students

6.2 Research and Development Activities (60)

Total Marks 54.00

6.2.1 Academic Research (10)

Institute Marks : 10.00

Table No. 6.2.1.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	35	17	10
2	No. of peer reviewed conference papers published	14	7	6
3	No. of books/book chapters published	3	2	0

6.2.2 Ph.D. Student Details (5)

Institute Marks : 5.00

Table No. 6.2.2.1: Ph.D. details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of students enrolled for Ph.D. in the Department	0	7	3
2	No. of Ph.D. students graduated in the Department	1	6	2

6.2.3 Development Activities (10)

Institute Marks : 10.00

PATENTS**2022-23**

1. Dr. P. V. Gopi Krishna Rao "Agricultural Field Irrigation Infrastructure Monitoring: A Comprehensive Methodology Thereof," Patent Application No: 202341014084 A, filed on March 02, 2023, and published on 17/03/2023.
2. Dr. J. Sofia Priya Dharshini "Menstrual Cramp Relief Belt," Patent No: 6270256, filed on March 22, 2023, and granted on 27/03/2023.
3. Dr. J. Sofia Priya Dharshini "Wind Screen Defroster and Defogger," Design No: 382168-001, filed on March 23, 2023, and published on 24/05/2023.
4. Dr. J. Sofia Priya Dharshini "IoT Based Smart Locker for Vehicles," Design No: 386736-001, filed on May 22, 2023, and published on 25/09/2023.

2023-24

1. Dr.V.N.V. Satya Prakash, 2024, "Head Scanning Device to Diagnose Brain Activity Problems" Indian Design patent No: 396610-001, filed on October 04, 2023, and issued on January 04, 2024.
2. Dr.V.N.V. Satya Prakash, 2024, "A Novel mini Rice Quality Testing Machine for Farmers" Indian Design patent No: 397684-001, filed on October 16, 2023, and issued on January 05, 2024.
3. D.J. Sofia Priya Dharshini et al Published a patent with title of Invention "Developing a Consent Management Framework for User Centric IoT Devices," Application No.202431017143 A in the official journal of patent office on 22/03/2024.

2024-25

1. **Dr. J. Sofia Priya Dharshini**, Dr.P.Deepthi Jordhana, D.Yovan Snanagna Ponselvan,Dr.K.Suresh Babu, Dr.D.Usen " Multi -Level transfer learning for improving the performance of facial emotion recognition" India Patent publication,Application No.202441091336A, filed on 23/11/2024 and published on 29/11/2024.
2. **Dr.J. Sofia Priya Dharshini** et al. Granted a patent with title of Invention "A novel Artificial intelligence horoscope computer device," Design No. 6431153 in Comptroller-General of Patents, Designs and Trade Marks Intellectual Property Office, registered on 17/03/2025, granted on 26/03/2025.
3. **Maheswari M** et al. Published a patent with title of Invention "Multi-Task Learning in Graph Networks for Simultaneous Community Detection and Influence Identification," Application No. 202541017899 A in the official journal of patent office application filled on 28/02/2025, published on 14/03/2025.
4. **Pasupuleti Mahesh** et al. Published a patent with title of Invention "Dehazing of real-world images with enhanced exposure fusion and joint enhancement," Application No. 202541018606 A in the official journal of patent office application filled on 03/03/2025, published on 14/03/2025.
5. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Binder free Solar Paint using Sol-Gel Method," Application No. 202541022560 A in the official journal of patent office application filled on 13/03/2025, published on 28/03/2025.
6. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "High linearity wideband input buffer using cascade complementary source follower for advanced ADCS," Application No. 202541026318 A in the official journal of patent office application filled on 22/03/2025, published on 28/03/2025.
7. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Improving MRI Brain tumor Segmentation with Corrective Diffusion Approaches," Application No. 202541025730 A in the official journal of patent office application filled on 21/03/2025, published on 28/03/2025.
8. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Advancing RGB-X Segmentation through Shape and Semantic Enhancements," Application No. 202541025841 A in the official journal of patent office application filled on 21/03/2025, published on 28/03/2025.
9. **Dr. Panyam Vuppu Gopi Krishna Rao** et al. Published a patent with title of Invention "Portable Giant Wheel based Multilevel Automated Vehicle Parking System There Off," Application No. 202541019922 A in the official journal of patent office application filled on 05/03/2025, published on 21/03/2025.
10. **Dr. Panyam Vuppu Gopi Krishna Rao** et al. Published a patent with title of Invention "AI based autonomous vehicle navigation with defined path tracing, obstacle avoidance, and manual mode," Application No. 202541022527 A in the official journal of patent office application filled on 12/03/2025, published on 28/03/2025.
11. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Fusion-based image enhancement for night time traffic monitoring and analysis," Application No. 202541027615 A in the official journal of patent office application filled on 25/03/2025, published on 25/04/2025.
12. **Dr. N. Ramanjaneyulu** et al. Published a patent with title of Invention "Pre-scaler 32/33 for frequency dividers using CMOS 45nm technology," Application No. 202541032546A in the official journal of patent office application filled on 02/04/2025, published on 18/04/2025.
13. **Mr. M.V Raja Sekhar** et al. Published a patent with title of Invention "Infrared small target detection based on algorithm with iterative threshold analysis," Application No. 202541026360 A in the official journal of patent office application filled on 22/03/2025, published on 28/04/2025.

14. **Mr. P. Chandra Sekhar** et al. Published a patent with title of Invention "Retinal images fundus prediction using convolution neural network," Application No. 202541027604 A in the official journal of patent office application filled on 25/03/2025, published on 25/04/2025.
15. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Low power consumption BCD adder design," Application No. 202541034119 A in the official journal of patent office application filled on 08/04/2025, published on 02/05/2025.
16. **Dr. M. Chennakesavulu** et al. Published a patent with title of Invention "Implementation of arithmetic circuit design for CNTFT," Application No. 202541038380 A in the official journal of patent office application filled on 22/04/2025, published on 16/05/2025.
17. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "Rural IoT Medical ATM," Application No. 202541039725 A in the official journal of patent office application filled on 25/04/2025, published on 16/05/2025.
18. **Mr. Leela Mahendra Kumar** et al. Published a patent with title of Invention "Pixel based traffic monitoring and control system with sort tracking mechanism," Application No. 202541033661 A in the official journal of patent office application filled on 07/04/2025, published on 02/05/2025.
19. **Mrs. M. Maheswari** et al. Published a patent with title of Invention "a system and method for AI-driven predictive maintenance of IOT devices using real-time anomaly detection and failure forecasting," Application No. 202541042472 A in the official journal of patent office application filled on 01/05/2025, published on 30/05/2025.
20. **Dr. Neravati Nagaraja Kumar** et al. Published a patent with title of Invention "Object Detection In Real Time-Based Using Ssd-Mobilenet," Application No. 202541039728 A in the official journal of patent office application filled on 25/04/2025, published on 16/05/2025.
21. **Mr. K. Nagendra Kumar** et al. Published a patent with title of Invention "Efficient Modified Singular Value Decomposition-Based Method For Restoring Low-Resolution CCTV Image," Application No. 202541029744 A in the official journal of patent office application filled on 28/03/2025, published on 11/04/2025.
22. **Dr. J. Sofia Priya Dharshini** et al. Published a patent with title of Invention "An Effective Technique to design Digital Logic Circuits using GNRFT – RRAM for Ternary Logic Applications," Application No. 202541045755 A in the official journal of patent office application filled on 13/05/2025, published on 30/05/2025.
23. **Dr. D.Satyanarayana** et al. Published a patent with title of Invention "Energy-efficient FPGA-based ternary wallace multiplier with accelerated computation," Application No. 202541039097 A in the official journal of patent office application filled on 23/04/2025, published on 16/05/2025.
24. **Dr. Dudekula Usen** et al. Published and granted a patent with title of Invention "Object detection device," Registration No. 451164-001 A in the official journal of patent office application filled on 11/03/2025, published on 20/06/2025.
25. **Dr. C.Venakataiah** et al. Published and grant a patent with title of Invention "IOT Based Electric Car Charger With Charging Rate Control, Energy Cost Analytic And Billing Irrigation System," Registration No. 202541049316 in the official journal of patent office application filled on 22/05/2025, published on 13/06/2025.
26. **Dr. C.Venakataiah** et al. Published and grant a patent with title of Invention "Emotion Aware AI: Enhancing Workplace Productivitythrough Real-Time Emotional Support," Registration No. 202541049297 in the official journal of patent office application filled on 22/05/2025, published on 13/06/2025.
27. **Dr. C.Venakataiah** et al. Published and grant a patent with title of Invention "U-Net Architectural Model For Semantic Segmentation Ofaerial Images," Registration No. 202541049275 in the official journal of patent office application filled on 22/05/2025, published on 13/06/2025.
28. **Dr. C.Venakataiah** et al. Published and grant a patent with title of Invention "Optimized Drip Irrigation With Soil Moisture Sensing Andweather Forecasting," Registration No. 202541049287 in the official journal of patent office application filled on 22/05/2025, published on 13/06/2025.
29. **Dr. C.Venakataiah** et al. Published and grant a patent with title of Invention "Bluetooth-Based Home Automation Using FPGA And VHDL," Registration No. 202541049292 in the official journal of patent office application filled on 22/05/2025, published on 13/06/2025.
30. **Mr. Kashif Hussain** et al. Published a patent with title of Invention "Novel image encryption using shannon's principle," Registration No. 202541049268 A in the official journal of patent office application filled on 22/05/2025, published on 06/06/2025.
31. **Mr. D. Rajesh sheety et al.** Published a patent with title of Invention "Enhanced U-Net for road network extraction from high resolution satellite imagery," Registration No. 202541029721 A in the official journal of patent office application filled on 28/03/2025, published on 11/04/2025.

2025-26

1. **Dr. S V Ratankumar** et al. Published a patent with title of Invention "Household Energy Consumption Forcecasting And Analysis Using Machine Learning Techniques," Application No. 202541049371 A, Journal No. 31/2025 in the official journal of patent office application filled on 22/05/2025, published on 20/06/2025.
2. **Dr. S V RATANKUMAR** et al. Published a patent with title of Invention "Cross-Model transformer fusion framework for scalable human action recognition in dynamic environments," Application No. 202541070479 A, Journal No. 51/2025 in the official journal of patent office application filled on 24/07/2025, published on 01/08/2025.

3. **Dr. S V RATANKUMAR** et al. Published a patent with title of Invention "Adaptive machine learning framework for multimodal human action recognition using context aware fusion and temporal," Application No. 202541070456 A, Journal No. 25/2025 in the official journal of patent office application filled on 24/07/2025, published on 01/08/2025.
4. **Mrs. Billa Nazma et al.** Published a patent with title of Invention "Multi-focus image fusion based on random walk," Application No. 202541087289 A, Journal No. 42/2025 in the official journal of patent office application filled on 14/09/2025, published on 17/10/2025.
5. **Dr. P V Gopi Krishna Rao** et al. published a patent with title of Invention "Deep Learning-Based Multi-Disease Detection from X-Ray Images," Application No. 202541106052 A, Journal No. 51/2025 in the official journal of patent office application filled on 03/11/2025, published on 19/12/2025.
6. **Dr. S.V. Ratan Kumar** et al. granted a patent with title of Invention "IOT Based Organic Waste Compost Device," Design No. 466293-001, Serial No. : 217131 in the official journal of patent office published on 18/07/2025.
7. **Dr.P.V.Gopi Krishna Rao** et al. published a patent with title of Invention " An Integrated Intelligent System and Method for Monitoring , Optimizing and Contrlling Nutrient Parameters in Hydroponic Cultivation Environments" Application No.202641024413 A in the official journal of patent office application fillrd on 01/03/2026, published on 13/03/2026.

Working Models

1. Multi-Utility Agricultural Bot for Smart Farming.
2. Vertical Axis Wind Turbine for Low-Speed Wind Energy Generation.
3. Smart Assistive Device for Visually Impaired.
4. Fertilizer Dispensing System for Efficient Agriculture.
5. DIY Solar Installation for Agri Farms / Remote Locations.
6. Advanced IoT solution for Smart College Energy and Device management.

6.2.4 Sponsored Research Project (15)

Institute Marks : 15.00

2024-25 (CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. T. Jayachandra Prasad	Dr. P. V. Gopi Krishna Rao	ECE, RGM CET	Idea Lab	AICTE, New Delhi	2 Years	90.00
						Amount received (Rs.):90.00

2023-24 (CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
0	0	0	0	0	0	0.00
						Amount received (Rs.):0.00

2022-23 (CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
0	0	0	0	0	0	0.00
						Amount received (Rs.):0.00

Total Amount (Lacs) Received for the Past 3 Years: 90.00

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

6.2.5 Consultancy Work (15)

Institute Marks : 9

2024-25 (CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. P. V. Gopi Krishna Rao	Dr. R. Hanuma Naik	ECE, RGM CET	Design and Development of Milk Filtering System suitable for Farm Scale Automated Operations	Bhat & Bhat Farms	1 Year	10.00
						Amount received (Rs.):10.00

2023-24 (CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.Y.Madhu Sudhana Reddy	Dr. R. Hanuma Naik	ECE, RGM CET	Solar Dryers with internet of thinks (IoT) and Artificial Intelligence (AI)	Vayuputra Horticulture Farmers MACS	1 Year	1.50
						Amount received (Rs.):1.50

2022-23 (CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. P. V. Gopi Krishna Rao	Dr. Y. Madhu Sudhana Reddy	ECE, RGM CET	Design and Development of Exam Automation System	KSRM COLLEGE OF ENGINEERING	1 Year	0.75
Dr. P.V.Gopi Krishna Rao	Mr.N.Nagaraja Kumar	ECE, RGM CET	Upgradation of Sloar Light Switching System	Sannidhi Systems,Vijayawada	1 Year	0.19
						Amount received (Rs.):0.94

Total amount (Lacs) received for the past 3 years: 12.44

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

6.2.6 Institution Seed Money or Internal Research Grant to its Faculty for Research Work(5)**6.2.6 A Amount received (3)**

Institute Marks : 3.00

2024-25 (CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
P.Chandra Sekhar	Development of a Low-Cost Microwave Weed Control System	12 Months	2.50	2.51	-
			Amount received (Rs.): 2.50		

2023-24 (CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. P. V. Gopi Krishna Rao	Connected Care for All an Intelligent Virtual Health Ecosystem for Rural and Remote Populations	12 Months	2.04	2.04	-
			Amount received (Rs.): 2.04		

2022-23 (CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. P. V. Gopi Krishna Rao	Ternary logic Full Adder Circuit using 3x1 Multiplexer	12 Months	4.00	4.00	-
Dr.M.Chennakesavulu	Performance Analysis of Full Adder using Ganged CMOS Threshold Element with Different Technologies	12 Months	4.00	4.00	-
			Amount received (Rs.): 8.00		

Total amount (Lacs) received for the past 3 years : 12.54

6.2.6 B Amount utilized (2)

Institute Marks : 2.00

Summary of Seed Money Sanctioned and Utilized

AY	Project Title	PI	Co-PI	Amount Sanctioned (₹)	Amount Utilized (₹)	Status
2022-23	Ternary logic full adder circuit using 3x1 multiplexer	Dr. P. V. Gopi Krishna Rao	Dr. R. Hanuma Naik Mr. Y. Madhusudhana Reddy Mr. J. Leela Mahendra Kumar	8,00,000.00	8,00,000.00	Completed
	Performance Analysis of Full Adder using Ganged CMOS Threshold Element with Different Technologies	Dr. M. Chennakesavulu	Dr. N.Ramanjaneyulu Dr. C. Venkataiah Dr. Anchula Sathish			Completed
2023-24	Connected Care for All: Intelligent Virtual Health Ecosystem	Dr. P. V. Gopi Krishna Rao		2,04,165	2,04,165	Completed
2024-25	Low-Cost Microwave Weed Control System	Mr. P. Chandrasekhar		2,50,000	2,50,632	Ongoing

Utilization Details (Year-wise)**2022-23**

- **Sanction Order No.:** RGM/FORAY/ 2022-23/03, RGM/FORAY/ 2022-23/04
- **Date:** 30-07-2022
- **Department:** ECE
- **Duration:** 12 Months

Utilization Breakdown:

Component	Amount (₹)
Equipment (Cadence Software)	7,75,000
Contingency	25,000
Total	8,00,000

Outcome Highlights:

- Developed advanced full adder architectures using emerging logic techniques
- Achieved improvements in power, delay, and area efficiency
- Strengthened research culture and student participation
- Generated publications and scalable research outputs

2023–24

- **Sanction Order No.:** RGM/FORAY/2023-24/03
- **Date:** 25-09-2023
- **Department:** ECE
- **Duration:** 12 Months

Utilization Breakdown:

Component	Amount (₹)
Equipment (IoT modules, sensors, cloud interface)	1,74,165
Contingency	30,000
Total	2,04,165

Outcome Highlights:

- Development of intelligent healthcare monitoring system
- Deployment-ready IoT-based architecture
- Supports rural healthcare digitization
- Generated publications, Patents applied and scalable research outputs

2024–25

- **Sanction Order No.:** RGM/FORAY/2024-25/06
- **Date:** 15-10-2024
- **Department:** ECE
- **Duration:** 12 Months

Utilization Breakdown:

Component	Amount (₹)
-----------	---------------

Equipment (Microwave bench)	2,25,000
Contingency	25,000
Total	2,50,000

Outcome Highlights:

- Development of cost-effective weed control system
- Application in smart agriculture
- Promotes sustainable farming practices
- Strengthened research culture and student participation
- Generated publishable and scalable research outputs

Utilization Certification

All the above grants:

- Fully utilized for sanctioned purpose
- Maintained with proper accounts and audit records
- No diversion of funds
- Complied with institutional R&D and FORAY norms
- Utilization Certificates submitted after completion
- Seed money sanctioned and utilized as per FORAY guidelines
- Expenditure incurred towards equipment and research support
- Project successfully executed within stipulated time

Impact of Seed Money on Students

- UG/PG students involved in:
 - Prototype development
 - Data acquisition & testing
 - Research publications
- Skills Developed:
 - IoT system design
 - Embedded systems
 - Research methodology
 - VLSI Design

Student Outcomes

Academic Year	No. of Students Benefited	Activities
2022–23	85-95	Project assistance
2023–24	125-130	IoT healthcare system
2024–25	110-120	Microwave system development

Key Benefits

- Hands-on research exposure
- Interdisciplinary learning
- Improved placement readiness

- Contribution to final year projects

Conclusion

The institution has effectively utilized seed money under the FORAY scheme to:

- Promote faculty research
- Enhance student learning
- Develop societal-impact projects

7 FACILITIES AND TECHNICAL SUPPORT (100)

Total Marks 100.00

7.1 Adequate and well equipped laboratories, and technical manpower (40)

Total Marks 40.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Electronics Enç	3	CRO-22	36	K. Seenibabu	Lab Assistant	DECE
2	Electrical and E	3	Regulated Pow	36	K. Seenibabu	Lab Assistant	DECE
3	Network Analyç	3	CRO-25	12	V.Hari Hara Prç	Lab Assistant	DECE
4	Network Analyç	3	Regulated Pow	12	V.Hari Hara Prç	Lab Assistant	DECE
5	Network Analyç	1	Computers-68	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
6	Digital Design ;	1	Computers-70	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
7	Advanced Elec	3	DSOs.-12	18	G.Y. Subramar	Lab Assistant	DECE
8	Advanced Elec	3	Function Gene	18	G.Y. Subramar	Lab Assistant	DECE
9	Advanced Elec	3	Regulated Pow	18	G.Y. Subramar	Lab Assistant	DECE
10	Analog and Diç	3	DSOs-12	18	G.Y. Subramar	Lab Assistant	DECE
11	Analog and Diç	3	Regulated Pow	18	G.Y. Subramar	Lab Assistant	DECE
12	Analog & Digite	3	DSOs-12	18	G.Y. Subramar	Lab Assistant	DECE
13	Analog & Digite	3	Function Gene	18	G.Y. Subramar	Lab Assistant	DECE
14	Analog & Digite	3	Regulated Pow	18	G.Y. Subramar	Lab Assistant	DECE
15	Tinkering Lab	1	Arduino Boardç	18	C.Ravi Kumar	Lab Assistant	M.Sc (CS)
16	Microwave and	3	Microwave Ber	18	G.Y. Subramar	Lab Assistant	DECE
17	Microwave and	3	Microwave ben	18	G.Y. Subramar	Lab Assistant	DECE
18	Microwave and	3	Optical Commu	18	G.Y. Subramar	Lab Assistant	DECE
19	Microwave and	3	Klystron power	18	G.Y. Subramar	Lab Assistant	DECE
20	Microwave and	3	Klystron mount	18	G.Y. Subramar	Lab Assistant	DECE
21	Microwave and	3	Isolator-08	18	G.Y. Subramar	Lab Assistant	DECE
22	Microwave and	3	Circulator-05	18	G.Y. Subramar	Lab Assistant	DECE
23	Microwave and	3	Frequency met	18	G.Y. Subramar	Lab Assistant	DECE
24	Microwave and	3	Variable attenu	18	G.Y. Subramar	Lab Assistant	DECE
25	Microwave and	3	CROs-05	18	G.Y. Subramar	Lab Assistant	DECE
26	Microwave and	3	Function Gene	18	G.Y. Subramar	Lab Assistant	DECE
27	Microwave and	3	Fixed attenuatç	18	G.Y. Subramar	Lab Assistant	DECE

28	Microwave and	3	Slotted section	18	G.Y. Subramar	Lab Assistant	DECE
29	Microwave and	3	Tunable probe	18	G.Y. Subramar	Lab Assistant	DECE
30	Microwave and	3	Detector moun	18	G.Y. Subramar	Lab Assistant	DECE
31	Microwave and	3	Tripod stand-1	18	G.Y. Subramar	Lab Assistant	DECE
32	Microwave and	3	Magic tee-04	18	G.Y. Subramar	Lab Assistant	DECE
33	Microwave and	3	Directional cou	18	G.Y. Subramar	Lab Assistant	DECE
34	Microwave and	3	Gunn power su	18	G.Y. Subramar	Lab Assistant	DECE
35	Microwave and	3	Gunn oscillator	18	G.Y. Subramar	Lab Assistant	DECE
36	Microwave and	3	Laser diode/LE	18	G.Y. Subramar	Lab Assistant	DECE
37	Microwave and	3	Fiber optical tra	18	G.Y. Subramar	Lab Assistant	DECE
38	Microwave and	3	Optical laser ki	18	G.Y. Subramar	Lab Assistant	DECE
39	Microwave and	3	VSWR meter-0	18	G.Y. Subramar	Lab Assistant	DECE
40	Microwave and	3	RF signal gene	18	G.Y. Subramar	Lab Assistant	DECE
41	Analog and Diç	3	CROs-20	18	K. Seenibabu	Lab Assistant	DECE
42	Analog and Diç	3	DSOs-11	18	K. Seenibabu	Lab Assistant	DECE
43	Analog and Diç	3	Function Gene	18	K. Seenibabu	Lab Assistant	DECE
44	Analog and Diç	3	Pulse Generatr	18	K. Seenibabu	Lab Assistant	DECE
45	Analog and Diç	3	Arbitrary FGs-(18	K. Seenibabu	Lab Assistant	DECE
46	Analog and Diç	3	Regulated Pow	18	K. Seenibabu	Lab Assistant	DECE
47	Analog and Diç	3	Decade resista	18	K. Seenibabu	Lab Assistant	DECE
48	Analog and Diç	3	Decade capaci	18	K. Seenibabu	Lab Assistant	DECE
49	Analog and Diç	3	Decade inductr	18	K. Seenibabu	Lab Assistant	DECE
50	Analog and Diç	3	Digital multime	18	K. Seenibabu	Lab Assistant	DECE
51	Analog and Diç	3	IC tester-1	18	K. Seenibabu	Lab Assistant	DECE
52	Analog and Diç	3	Audio generatr	18	K. Seenibabu	Lab Assistant	DECE
53	Analog and Diç	3	Programmable	18	K. Seenibabu	Lab Assistant	DECE
54	Analog and Diç	3	Wireless equip	18	K. Seenibabu	Lab Assistant	DECE
55	Analog and Diç	3	Synthesized fu	18	K. Seenibabu	Lab Assistant	DECE
56	Analog and Diç	3	Computers-3	18	C.Ravi Kumar	Lab Assistant	M.Sc (CS)

57	Analog and Dig	3	MATLAB 9.0 (F	18	C.Ravi Kumar	Lab Assistant	M.Sc (CS)
58	Digital logic de:	3	Regulated Pow	18	G.Y. Subramar	Lab Assistant	DECE
59	Digital logic de:	3	Multimeters-5	18	G.Y. Subramar	Lab Assistant	DECE
60	Digital logic de:	3	Decade resista	18	G.Y. Subramar	Lab Assistant	DECE
61	Digital logic de:	3	Decade capaci	18	G.Y. Subramar	Lab Assistant	DECE
62	Digital logic de:	3	Decade induct:	18	G.Y. Subramar	Lab Assistant	DECE
63	Digital logic de:	3	LCR Q meter-1	18	G.Y. Subramar	Lab Assistant	DECE
64	Digital logic de:	3	CROs-17	18	G.Y. Subramar	Lab Assistant	DECE
65	Digital logic de:	3	AC ammeter-1'	18	G.Y. Subramar	Lab Assistant	DECE
66	Digital logic de:	3	AC voltmeter-:	18	G.Y. Subramar	Lab Assistant	DECE
67	Digital logic de:	3	DC ammeter-3	18	G.Y. Subramar	Lab Assistant	DECE
68	Digital logic de:	3	DC voltmeter-2	18	G.Y. Subramar	Lab Assistant	DECE
69	Electronic Circu	1	Computers-35	18	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
70	Basic Simulatic	1	Computers-70	18	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
71	Basic Simulatic	1	MATLAB 9.0(R	18	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
72	Digital signal pi	1	Computer Serv	18	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
73	Digital signal pi	1	MATLAB 9.0(R	18	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
74	Electronic Devi	3	Regulated pow	18	V. Hari Hara Pr	Lab Assistant	DECE
75	Electronic Devi	3	CROs-25	18	V. Hari Hara Pr	Lab Assistant	DECE
76	Electronic Devi	3	Function Gene	18	V. Hari Hara Pr	Lab Assistant	DECE
77	Electronic Devi	3	Decade resista	18	V. Hari Hara Pr	Lab Assistant	DECE
78	Electronic Devi	3	Decade capaci	18	V. Hari Hara Pr	Lab Assistant	DECE
79	Electronic Devi	3	Decade induct:	18	V. Hari Hara Pr	Lab Assistant	DECE
80	Electronic Devi	3	Digital multi me	18	V. Hari Hara Pr	Lab Assistant	DECE
81	Electronic Devi	3	AC ammeters-t	18	V. Hari Hara Pr	Lab Assistant	DECE
82	Electronic Devi	3	AC voltmeters-	18	V. Hari Hara Pr	Lab Assistant	DECE
83	Electronic Devi	3	DC ammeters-	18	V. Hari Hara Pr	Lab Assistant	DECE
84	Electronic Devi	3	DC voltmeters-	18	V. Hari Hara Pr	Lab Assistant	DECE
85	Electronic Devi	3	Electronic circu	18	V. Hari Hara Pr	Lab Assistant	DECE

86	Electronic Devi	3	Electronic devi	18	V. Hari Hara Pr	Lab Assistant	DECE
87	Electronic Devi	3	IC tester-1	18	V. Hari Hara Pr	Lab Assistant	DECE
88	Microprocessoi	3	8085Microproc	24	G.Y. Subramar	Lab Assistant	DECE
89	Microprocessoi	3	8086 Microproc	24	G.Y. Subramar	Lab Assistant	DECE
90	Microprocessoi	3	8051Microcont	24	G.Y. Subramar	Lab Assistant	DECE
91	Microprocessoi	3	CROs-4	24	G.Y. Subramar	Lab Assistant	DECE
92	Microprocessoi	3	Interfacing Boa	24	G.Y. Subramar	Lab Assistant	DECE
93	Microprocessoi	3	Multimeters-3	24	G.Y. Subramar	Lab Assistant	DECE
94	Microprocessoi	3	IC tester-1	24	G.Y. Subramar	Lab Assistant	DECE
95	Microprocessoi	3	8 digit multiple	24	G.Y. Subramar	Lab Assistant	DECE
96	Microprocessoi	3	Stepper motor-	24	G.Y. Subramar	Lab Assistant	DECE
97	Microprocessoi	3	8251/8253 inte	24	G.Y. Subramar	Lab Assistant	DECE
98	Microprocessoi	3	8255 interfacin	24	G.Y. Subramar	Lab Assistant	DECE
99	Microprocessoi	3	8259 interfacin	24	G.Y. Subramar	Lab Assistant	DECE
100	Microprocessoi	3	AD590 transdu	24	G.Y. Subramar	Lab Assistant	DECE
101	Microprocessoi	3	DMA interfacin	24	G.Y. Subramar	Lab Assistant	DECE
102	Microprocessoi	3	ADC interfacin	24	G.Y. Subramar	Lab Assistant	DECE
103	Microprocessoi	3	DAC interfacin	24	G.Y. Subramar	Lab Assistant	DECE
104	Microprocessoi	3	Elevator simul	24	G.Y. Subramar	Lab Assistant	DECE
105	Microprocessoi	3	EEPROM prog	24	G.Y. Subramar	Lab Assistant	DECE
106	Microprocessoi	3	Keyboard displ	24	G.Y. Subramar	Lab Assistant	DECE
107	Microprocessoi	3	Printer interfac	24	G.Y. Subramar	Lab Assistant	DECE
108	Microprocessoi	3	Real time clock	24	G.Y. Subramar	Lab Assistant	DECE
109	Microprocessoi	3	Traffic light sim	24	G.Y. Subramar	Lab Assistant	DECE
110	Linear and digi	3	Function gener	24	V. Hari Hara Pr	Lab Assistant	DECE
111	Linear and digi	3	CROs-22	24	V. Hari Hara Pr	Lab Assistant	DECE
112	Linear and digi	3	Regulated Pow	24	V. Hari Hara Pr	Lab Assistant	DECE
113	Linear and digi	3	Decade resista	24	V. Hari Hara Pr	Lab Assistant	DECE
114	Linear and digi	3	Decade capaci	24	V. Hari Hara Pr	Lab Assistant	DECE

115	Linear and digi	3	Decade induct	24	V. Hari Hara Pr	Lab Assistant	DECE
116	Linear and digi	3	Analog IC train	24	V. Hari Hara Pr	Lab Assistant	DECE
117	ARM programn	1	Computers-35	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
118	ARM programn	1	ARM kits -35	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
119	ARM programn	1	Network switch	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
120	VLSI Design L	1	Cadence Softw	24	C. Ravi Kumar	Lab Assistant	M.Sc (CS)
121	Analog & Digite	3	Digital commur	18	K.Sreenibabu	Lab Assistant	DECE
122	Analog & Digite	3	Digital Multi me	18	K.Sreenibabu	Lab Assistant	DECE
123	Digital Logic De	3	Lab Trainer Kit	18	G.Y.Subraman	Lab Assistant	DECE
124	Digital Logic De	3	Analog & Digite	18	G.Y.Subraman	Lab Assistant	DECE

7.2 Additional Facilities Created for Improving the Quality of Learning Experience in Laboratories (20)

Total Marks 20.00

Sr. No	Name of the Facility	Details	Purpose for creating facility	Utilization	Relevance to POs/PSOs
1	Electronic Work Benches	Modular electronic workstations equipped with regulated DC power supplies, Function Generators, Digital Storage Oscilloscopes (DSO), soldering stations, breadboards, PCB prototyping tools, and safety accessories supplied by VAR Tech.	To provide hands-on practical exposure in analog and digital electronics, circuit design, testing, troubleshooting, and prototyping	Used by II, III, and IV year ECE students for laboratory courses such as Analog Electronics, Digital Electronics, Linear and Digital IC Applications, Embedded Systems, and Project Work. Also utilized for mini-projects, major projects, and research activities	PO1: Engineering knowledge PO2: Problem analysis PO3: Design/development of solutions PO4: Conduct investigations PO5: Modern tool usage PSO1: Analyze and design Electronic circuits PSO3: Work Professionally with new cutting edge technologies in the fields of electronic design
2	Advanced Circuit Prototyping equipment. (PCB Design)	Dedicated PCB design and fabrication support including soldering/rework stations, testing kits	To enhance practical skills in hardware implementation and real-time circuit debugging.	Utilized during mini/major projects, internships, and research-based activities	PO3: Design/development of solutions, PO4: Conduct Investigations, PO5: Modern tool usage, PO11: Life-long learning PSO1: Analyze and design Electronic circuits PSO3: Work Professionally with new cutting edge technologies in the fields of electronic design.
3	Cadence Level one Software	Licensed Electronic Design Automation (EDA) tool (Level-1) installed in VLSI/EDA Laboratory with multi-user access. Includes schematic capture, circuit simulation (SPICE-based), analog & digital design environment, and basic layout tools	To provide industry-standard VLSI design exposure and hands-on training in IC design, simulation, and verification. To bridge the gap between curriculum and semiconductor industry requirements	Utilized for mini-projects, major projects, internships, and faculty research in semiconductor domain.	PO1: Engineering knowledge – Application of semiconductor & VLSI fundamentals. PO2: Problem analysis – Analyze and troubleshoot circuit designs. PO3: Design/development of solutions – CMOS circuit design & layout. PO4: Investigation – Simulation and performance analysis. PO5: Modern tool usage – Use of industry-standard EDA tools. PSO1: Analyze and design Electronic circuits
4	Community Radio Service (CRS)	Licensed FM-based Community Radio Station established within the campus with studio setup, audio mixing console, microphones, transmitters (typically 50W), antenna system, recording & editing software, and broadcast automation system. Operates as per Ministry of Information & Broadcasting (Govt. of India) guidelines	To provide hands-on exposure in communication systems, RF transmission, audio engineering, and broadcasting technologies. To serve the local community through educational, social, and awareness programs	Utilized by II, III & IV year ECE students for practical learning in Analog & Digital Communication, RF & Microwave Engineering, Signal Processing, and Media Technology. Also used for student internships, live program production, technical training, and community outreach activities	PO1: Engineering knowledge (communication systems fundamentals) PO2: Problem analysis (signal quality, interference issues) PO3: Design/development of solutions (broadcast system setup & optimization) PO4: Investigation (signal strength & coverage analysis) PO5: Modern tool usage (audio editing & RF tools) PO6: Engineer & society (community service) PO9: Team work (program production teams) PO10: Communication skills (content creation & presentation) PSO2: Methodologies in operation and maintenance of communication systems

7.3 Maintenance of laboratories and overall ambience (10)

Total Marks 10.00

Institute Marks : 10.00

Maintenance of Laboratory Equipments:-

- All the laboratories of the department are equipped with modern and sophisticated equipment/ software's with good working condition to do experiments as per the curriculum. The total strength of the lab is limited to 30 and the batch strength per experiment is limited to 3. All the laboratory manuals are prepared by the concerned lab In charges as per the curriculum.
- The Department of Electronics and Communication Engineering is having an exclusive Computer lab facility with 200 systems with high configuration ,installed with modern Software packages like VHDL, Microwind, MATLAB, Multisim,NS2 and P-Spice and also with the internet connectivity through campus wide networking . This facility is kept open for the usage of students and faculty.
- Each laboratory of the department has qualified, highly experienced and skilled technicians who have enthusiasm to work within and beyond the college hours. To meet the PEOs, long term training programs are being conducted beyond the college hours exclusively in the areas, VHDL, Microwind, MATLAB, Multisim and P-Spice for which a teaching faculty and two staff members will be guiding/assisting the students.
- Each laboratory of the department is equipped with sufficient equipment to do required number of experiments in order to meet the curriculum. All the Software tools and Hardware Equipment are maintained properly. Any maintenance problem will be attended by the concerned faculty and technicians immediately to make the equipment ready for usage. Any component/part/equipment will be replaced or repaired as soon as it breakdown. Every laboratory has good ambience to do the practical work and adequate space to accommodate the students.
- All the Class rooms of the department are equipped with Interactive Flat Panels (IFPs) with capacity of 75 students per room.
- Regular checkup of equipment is carried out at the end of every semester.
- Breakdown register is maintained in the laboratories.
- As per the requirement, minor repairs are carried out by the lab assistant or faculty member.
- Maintenance of computers is taken care by IT and COMPUTER department.
- Major repairs are outsourced by following the procedure of the institute.

Overall Ambience:-

- All laboratories are equipped with modern equipment to meet the requirement of curriculum.
- Laboratory manuals are prepared and are available in soft and hard copy.
- All laboratories are well furnished.
- Laboratories kept open beyond college hours as per the need.
- All laboratories have sufficient natural light, good ventilation with tube lights and Ceiling fan arrangement.
- Overall ambience of laboratories is good

7.4 Safety measures in laboratories (10)

Total Marks 10.00

Sr. No	Laboratory Name	Safety Measures
1	Hardware Laboratories (Analog and Digital Communications Lab, Electrical and Electronics Engineering Workshop, Digital Logic Design Lab,	<p>1) Each laboratory and floor is equipped with appropriate fire extinguishers (CO₂ / Dry Chemical Type). The extinguishers are periodically inspected and maintained as per safety norms, and inspection records are documented 2) A fully stocked First Aid Box is available in each laboratory. The contents are periodically checked and replenished. 3) Laboratories are designed with adequate ventilation and airflow systems to prevent overheating of equipment and ensure a safe working environment. 4) All laboratories are equipped with properly rated MCBs/ELCBs and circuit breakers to protect equipment and users from electrical faults, overload, and short circuits. Proper earthing is ensured for all equipment. 5) Worktables are kept clean and organized. All instruments and components are properly arranged in designated racks after use to prevent hazards. 6) Students are permitted to operate laboratory equipment only under the supervision of trained laboratory staff or authorized faculty members. 7) Performing unauthorized experiments or modifying equipment without prior approval is strictly prohibited. 8) Students are strictly prohibited from working alone in the laboratory. At least one authorized staff member must be present during laboratory hours. 9) Laboratory safety rules and procedures are clearly displayed inside the laboratory. 10) Students are briefed on laboratory safety procedures at the beginning of each semester. 11) Any accident or equipment damage must be immediately reported to the concerned faculty/lab in-charge.</p>
2	Software Laboratories (Basic Simulation Lab, Digital Signal Processing lab, VLSI Design Lab, PCB Design and Prototype Development Lab)	<p>1) Each laboratory and floor is equipped with appropriate fire extinguishers (CO₂ / Dry Chemical Type). The extinguishers are periodically inspected and maintained as per safety norms, and inspection records are documented 2) A fully stocked First Aid Box is available in each laboratory. The contents are periodically checked and replenished. 3) Laboratories are designed with adequate ventilation and airflow systems to prevent overheating of equipment and ensure a safe working environment. 4) All laboratories are equipped with properly rated MCBs/ELCBs and circuit breakers to protect equipment and users from electrical faults, overload, and short circuits. Proper earthing is ensured for all equipment. Servo Stabilizers are available for the labs 5) Students must enter the laboratory only in the presence of the instructor/lab in-charge. 6) Bags should be kept in designated areas to avoid obstruction. 7) Do not touch electrical switches, plugs, or equipment with wet hands. Report any damaged cables, loose connections, or sparking immediately. Avoid overloading power sockets and extension boards. 8) Do not install unauthorized software or use external storage devices without permission. Avoid accessing unsafe or irrelevant websites. 9) Maintain confidentiality of login credential.</p>

7.5 Project laboratory/research laboratory /centre of excellence (20)

Total Marks 20.00

List of project laboratory/research laboratory /Centre of Excellence**Nano Scale Device Simulation Lab****1. Overview:**

The **Nano Scale Device Simulation Laboratory** is an advanced computational facility established to support teaching, research, and project work in the area of nanoscale semiconductor devices and quantum electronics. The laboratory enables simulation, modelling, and analysis of nano electronic devices using industry-standard TCAD and quantum simulation tools.

The lab is primarily utilized by **IV Year B.Tech students and M.Tech students** for academic laboratory sessions, mini projects, major projects, and research-oriented work.

2. Objectives of the Laboratory

- To provide hands-on experience in nanoscale device modeling and simulation.
- To bridge the gap between theoretical semiconductor physics and practical device behavior.
- To enable students to analyze nano-scale MOSFETs, FinFETs, Tunnel FETs, and quantum devices.
- To promote research and innovation in nanoelectronics and advanced semiconductor technologies.
- To facilitate project-based learning for final-year and postgraduate students.

3. Infrastructure and Computing Facilities

The laboratory is equipped with:

- High-end computing systems with advanced processors and high RAM capacity to handle complex simulations.
- Licensed simulation software for device-level and atomistic-level analysis.
- Dedicated network access and data storage facilities.
- UPS backup and uninterrupted power supply.
- Proper ventilation and structured workspace arrangement.

4. Software Tools Available

The laboratory is equipped with the following advanced simulation tools:

- **Visual TCAD**

Used for Technology Computer-Aided Design (TCAD) simulation of semiconductor devices. It supports process simulation, device modeling, and electrical characterization.

- **ATOMIX Quantum Toolkit**

A quantum simulation platform used for atomistic modeling, nanoscale device simulation, and first-principles calculations based on quantum mechanics.

These tools enable students to perform:

- Device structure design
- Doping profile analysis
- Electrical characteristics extraction
- Quantum transport simulations
- Band structure analysis
- Nanoscale transistor modeling

5. Academic Utilization

The lab supports:

- IV Year B.Tech Major Projects
- M.Tech Dissertation Work
- Advanced Laboratory Courses
- Research Methodology Training
- Simulation-Based Design Projects

Students undertake simulation-based design and analysis of:

- Nano MOSFETs
- FinFETs
- TFETs
- Quantum devices
- 2D material-based devices

6. Outcome Contribution

The Nano Scale Device Simulation Laboratory contributes to:

- Program Outcomes related to problem analysis, design, investigation, and modern tool usage.
- Enhancement of computational and research skills.
- Preparation of students for higher studies and semiconductor industry roles.
- Publication of research papers and participation in technical conferences.

Embedded Systems and Robotics Laboratory Lab

1. Overview:

The Embedded Systems and Robotics Laboratory is established to provide hands-on training in the design, development, and implementation of embedded hardware and software systems. The laboratory enables students to integrate microcontrollers, processors, sensors, and communication modules for real-time applications.

The lab supports undergraduate (III/IV Year B.Tech) and postgraduate (M.Tech) students for laboratory courses, mini-projects, and major project work.

2. Objectives of the Laboratory:

- To provide practical exposure to embedded system design and development.
- To develop programming skills using embedded C and real-time operating concepts.
- To enable interfacing of peripherals such as sensors, actuators, displays, and communication modules.
- To design real-time applications using microcontrollers and development boards.
- To promote project-based learning aligned with industry requirements.

3. Infrastructure and Facilities

The laboratory is equipped with:

- Adequate number of workstations and development kits.
- High-end desktop systems for programming and debugging.
- Licensed/open-source embedded development environments.
- Structured work benches with regulated power supply.

- Internet connectivity for firmware updates and documentation access.
- UPS backup and proper electrical earthing.
- Adequate ventilation and safety compliance measures.

4. Major Equipment and Development Platforms

The laboratory consists of:

- Microcontroller development boards (8-bit / 16-bit / 32-bit)
- ARM Cortex-based development kits
- FPGA/SoC-based kits (if available)
- Sensor modules (Temperature, IR, Ultrasonic, etc.)
- Motor driver modules
- LCD / OLED display modules
- Communication modules (UART, I2C, SPI, Bluetooth, Wi-Fi)
- Digital Storage Oscilloscope (DSO)
- Function Generators
- Regulated Power Supplies

5. Software Tools

The laboratory supports embedded development using:

- Embedded C Programming
- IDE-based firmware development platforms
- Debugging and flashing tools
- Simulation tools (if applicable)
- RTOS-based application development (for PG level)

6. Academic Utilization

The laboratory supports:

- Embedded Systems Laboratory Course
- Microcontroller & Interfacing Lab
- Real-Time Systems Lab (PG)
- Mini Projects (III Year)
- Major Projects (IV Year)
- M.Tech Dissertation Work

Students implement applications such as:

- LED and LCD interfacing
- Sensor-based monitoring systems
- Motor control systems

- IoT-based monitoring systems
- Serial communication protocols
- Real-time task scheduling applications

Internet of Things (IOT) Lab

1. Overview:

The Internet of Things (IoT) Laboratory is established to provide hands-on training in the design, development, and deployment of IoT-based systems integrating sensors, embedded platforms, communication networks, and cloud technologies.

The laboratory supports undergraduate (IV Year B.Tech) and postgraduate (M.Tech) students for laboratory courses, mini-projects, major projects, and research activities.

The lab facilitates experiential learning aligned with industry requirements in smart systems, automation, and connected technologies.

2. Objectives of the Laboratory

- To provide practical exposure to IoT system architecture and design.
- To enable integration of sensors, microcontrollers, and cloud platforms.
- To develop skills in wireless communication protocols.
- To design real-time monitoring and control applications.
- To promote innovation and project-based learning in emerging IoT domains.

3. Infrastructure and Facilities

The laboratory is equipped with:

- High-end computing systems for IoT programming and simulation.
- IoT development boards and embedded platforms.
- Sensor and actuator modules.
- Wireless communication modules.
- High-speed internet connectivity.
- Structured work benches with regulated power supply.
- UPS backup and proper electrical earthing.
- Adequate ventilation and safety measures.

4. Major Equipment and Development Platforms

The laboratory consists of:

- Microcontroller-based IoT development boards (ESP32 / NodeMCU / Arduino-based platforms)
- Single-board computers (Raspberry Pi or equivalent)
- Sensor modules (Temperature, Humidity, Gas, IR, Ultrasonic, Motion, etc.)
- Actuator modules (Relay, DC motor, Servo motor, Stepper motor)
- Wi-Fi / Bluetooth / Zigbee communication modules
- GSM/GPRS modules (if available)
- IoT gateway devices

- Digital Storage Oscilloscope (DSO)
- Regulated DC Power Supplies

5. Software and Development Tools

The lab supports IoT application development using:

- Embedded C / Python programming
- Arduino IDE / PlatformIO / Similar development environments
- MQTT and HTTP-based communication frameworks
- Cloud platforms for IoT data visualization and storage
- Database and dashboard development tools

6. Academic Utilization

The IoT Laboratory supports:

- IoT Laboratory Course (UG)
- Advanced IoT / Smart Systems Lab (PG)
- IV Year Major Projects
- M.Tech Dissertation Work
- Industry-oriented mini projects
- Hackathon and innovation activities

Students implement applications such as:

- Smart Home Automation Systems
- Smart Agriculture Monitoring
- Environmental Monitoring Systems
- Health Monitoring Systems
- Industrial IoT Applications
- Energy Management Systems
- IoT-based Security Systems

The lab enhances industry readiness in domains such as:

- Smart Systems
- Automation
- Embedded IoT Firmware Development
- Cloud-based Data Analytics

Industry 4.0 Applications

AICTE IDEA Lab/FAB Lab

(Innovation, Design & Entrepreneurship Academy Laboratory)

1. Introduction

The **AICTE IDEA Lab** (Innovation, Design & Entrepreneurship Academy Lab) is established as per the guidelines of All India Council for Technical Education to promote interdisciplinary learning, hands-on training, design thinking, prototyping, and innovation among students.

The lab serves as a centralized facility accessible to students of all departments to conceptualize, design, fabricate, test, and validate prototypes for academic, research, and entrepreneurial activities.

2. Objectives of AICTE IDEA Lab

1. To promote design thinking and problem-solving skills
2. To encourage interdisciplinary project development
3. To facilitate rapid prototyping and product development
4. To support start-up and entrepreneurship initiatives
5. To enhance industry interaction and real-world exposure

3. Major Equipment Available

A. Design & Modeling Tools

- High-end CAD workstations
- Licensed software (AutoCAD/SolidWorks/ANSYS or equivalent)

B. Rapid Prototyping Equipment

- 3D Printers (FDM/SLA based)
- 3D Scanner
- Laser Cutting Machine
- CNC Milling Machine

C. Electronics & IoT Section

- PCB Prototyping Machine
- Soldering & Rework Stations
- Oscilloscopes
- Function Generators
- Microcontroller & IoT Kits (Arduino, Raspberry Pi, etc.)

D. Mechanical Fabrication Tools

- Drilling Machine
- Grinding Machine
- Lathe Machine (Mini)
- Hand tools & measuring instruments

4. Utilization of IDEA Lab

Academic Integration

- Mini Projects
- Major Projects
- Capstone Projects

- Internship-based projects

Skill Development

- Workshops on:
 - 3D Printing
 - IoT & Embedded Systems
 - Robotics
 - Product Design
- Value-added certification programs

Innovation & Entrepreneurship

- Prototype development for start-ups
- Support to Innovation/Incubation Cell
- Participation in Smart India Hackathon and similar competitions

5. Interdisciplinary Usage

Students from:

- Mechanical Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Computer Science Engineering
- Civil Engineering utilize the lab for collaborative projects.

The AICTE IDEA Lab/FAB Lab acts as a hub of creativity, innovation, and product realization, enabling students to transform ideas into functional prototypes. It strengthens experiential learning, interdisciplinary collaboration, and entrepreneurial mindset, aligning with the vision of All India Council for Technical Education and the quality benchmarks expected during NBA accreditation.

8 CONTINUOUS IMPROVEMENT (80)**Total Marks 80.00****8.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (40)****Total Marks 40.00**

8.1.1 Actions Taken Based on the Results of Evaluation of the COs Attainment (20)

Based on the analysis of CO attainment levels, certain COs related to problem-solving, numerical applications, and higher-order thinking skills showed lower attainment. Weakness was identified in analytical subjects and advanced modules.

- To address these gaps, remedial classes and tutorial sessions were conducted for slow learners.
- Lesson plans were revised to include additional problem-solving exercises, case studies, and mini-projects aligned with difficult COs.
- Continuous Internal Assessments were strengthened through frequent quizzes and assignments.
- Active learning strategies such as Problem-Based Learning (PBL), peer learning, and ICT-enabled teaching were implemented.
- Special mentoring and academic counseling were provided for low-performing students.
- Faculty members attended FDPs on Outcome-Based Education (OBE) and innovative pedagogical methods.

As a result, improvement was observed in subsequent CO attainment levels and overall student performance.

Subject-wise CO Attainment with Actions

Academic year: 2023-24

II Year I-Semester

Signals and Systems

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	No	Remedial Classes , Additional Problem Solving
CO 4	Yes	Maintain current practices
CO 5	Yes	Maintain current practices

Electronic Circuits – Analysis and Design

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial classes, Numerical practice

CO 5	Yes	Maintain current practices
---------	-----	----------------------------

Electromagnetic Fields and Transmission Lines

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial classes, Numerical practice
CO 5	No	Frequency Tests and Doubt Clearing

Random Variable and Random Process

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	No	Remedial classes, Numerical practice
CO 4	Yes	Maintain current practices
CO 5	No	Frequent tests and ICT Tools

III Year II Semester**Digital Communication**

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices

CO 4	Yes	Maintain current practices
CO 5	No	Remedial Classes ,Frequent tests

Computer Networks

CO	Stat us	Action Taken
CO 1	Yes	Remedial classes
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial Classes
CO 5	Yes	Maintain current practices

Academic year: 2024-25**II Year II-Semester****Electromagnetic Fields and Transmission Lines**

CO	Stat us	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial Classes
CO 5	Yes	Maintain current practices

III Year, I-Semester**Antennas and Wave Propagation**

CO	Stat us	Action Taken
----	------------	--------------

CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	No	Remedial Classes, Problem-solving practice
CO 4	Yes	Maintain current practices
CO 5	Yes	Maintain current practices

III Year, II-Semester**Digital Signal Processing**

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial Classes, Problem solving
CO 5	Yes	Maintain current practices

Academic Year: 2025-26**II Year I-Semester****Electronic Devices and Circuits**

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	Yes	Maintain current practices

CO 5	No	Remedial Classes, Frequent tests
---------	----	-------------------------------------

III Year I-Semester**Microprocessors and Microcontrollers**

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	No	Remedial Classes, Practice Programs
CO 5	Yes	Maintain current practices

Fundamentals of Artificial Intelligence

CO	Status	Action Taken
CO 1	Yes	Maintain current practices
CO 2	Yes	Maintain current practices
CO 3	Yes	Maintain current practices
CO 4	Yes	Maintain current practices
CO 5	No	Remedial Classes, Frequent tests

8.1.2 Actions Taken Based on the Results of Evaluation of the POs/PSOs Attainment (20)

Institute Marks : 20.00

The analysis of POs/PSOs attainment for CAYm2 indicated that PO2 (Problem Analysis), PO3 (Design & Development), PO9 (Team Work), and PSO2 (advanced Applications) were below the target level.

- To address these gaps, the department introduced design-oriented mini-projects and strengthened project-based learning in core ECE subjects.
- Industry-relevant electives and interdisciplinary projects were incorporated.
- Problem-Based Learning (PBL) and simulation-based teaching were implemented to improve analytical and design skills.
- Guest lectures, internships, and industrial visits were organized to enhance industry exposure.
- Communication and soft-skill training programs were conducted to improve teamwork and presentation skills.
- Mentoring and academic support systems were strengthened.

As a result, overall PO/PSO attainment improved in CAYm1, with significant improvement observed in analytical, design, and application-oriented outcomes

POS & PSOs Attainment Levels and Actions for improvement– CAY: 2024-25

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PSO0	PSO1	PSO2	PSO1	PSO2	PSO3
Set POs	2.58	2.43	1.89	2.07	2.03	1.82	1.72	2.01	1.31	1.6	1.51	1.66	2.33	2.09	1.69
Attained POs	2.53	2.51	2.5	2.47	2.51	2.41	2.33	2.54	2.46	2.61	2.59	2.45	2.55	2.54	2.59

POs	TargetLevel	AttainmentLevel	Observations
PO1:Engineering knowledge			
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems			
PO1	2.58	2.53	<ul style="list-style-type: none"> • In related to PO1 during AY-2024-25, the following subjects have got least PO attainment level • PCV(2.42), SS(2.4), EDC(2.48), ECA(2.48), EMTL(2.35), LCS(2.31), DC(2.33)
Action: Tutorial classes are offered for the weak students beyond the working hours to enhance their knowledge in application of mathematics.			
PO2: Problem analysis			
Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences			
PO2	2.43	2.51	<ul style="list-style-type: none"> • In a course on problem analysis, the Student performance has been consistently low with respect to electronic circuit analysis. • As mentioned above the percentage of students who are passed the courses in relation with analytical skills using of mathematics are consistently low because of diploma students have taken admission in II B. Tech.
Action: Tutorial classes are offered for the students needing support in analytical skills beyond the working hours to enhance their knowledge in analytical skills using of mathematics.			
PO3:Design/development of solutions			
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations			
PO3	1.89	2.5	<ul style="list-style-type: none"> • In a course design, the Student performance has been consistently moderate with respect to some CO's. To satisfy this statement continuous improvement in curriculum helped the students to attain Design/development of solutions

Action: In view of the need to design solutions for complex engineering problems, students are required to have their project work on proto type development to meet real time needs.			
PO4:Conduct investigations of complex problems:			
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions			
PO4	2.07	2.47	<ul style="list-style-type: none"> In a course experiment and complex problems, the Student performance has been satisfied.
Action: To keep improve the attainment level, laboratories are remains open beyond working hours.			
PO5:Modern tool usage:			
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO5	2.03	2.51	<ul style="list-style-type: none"> Attainment level is satisfactory because of the availability of the modern tools such as, CADENCE, MATLAB, TCAD and ATK
Action: To keep the attainment level with the help of revised regulations the programme has adequate IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO6: The engineer and society			
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice			
PO6	1.82	2.49	<ul style="list-style-type: none"> Attain level is moderate with lagging in analytical skills.
Action: To improve the attainment level, tutorial classes are offered beyond the working hours to enhance their knowledge in analytical skills			
PO7:Environment and sustainability			
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development			
PO7	1.72	2.33	<ul style="list-style-type: none"> Attainment level is satisfactory
PO8: Ethics			
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice			
PO8	1.78	2.50	<ul style="list-style-type: none"> Attainment level is satisfactory
PO9:Individualand teamwork			
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings			
PO9	1.31	2.46	<ul style="list-style-type: none"> Attainment level is obtained with the constant steps that are included during regular laboratory hours and project work
PO10: Communication			
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions			
PO10	1.6	2.61	<ul style="list-style-type: none"> Attainment level is satisfactory with involvement of English language and communications language skills lab (ELCS).

PO11:Project Management and Finance			
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments			
PO1 1	1.51	2.59	<ul style="list-style-type: none"> In a course of project in multidisciplinary environments, the student performance has been consistently moderate with respect to some CO's
Action: In order to have continuous improvement and individual involvement size of project batch has been reduced from 5 to 3 members.			
PO12:Life-long learning			
Recognize the need for, and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change			
PO1 2	1.66	2.45	<ul style="list-style-type: none"> Attainment level is satisfactory
Action: In order to achieve continuous improvement, various guest lectures, seminars and workshops are organized in regular intervals to meet the ability of life- long learning in the broadest context of technological change.			

8.2 Academic Audit and actions taken thereof during the period of Assessment (15)

Total Marks 15.00

Academic Audit Committee is formed in the Department with a group of 3 senior faculty members. Responsibilities of the committee is as follows

- To encourage Department to evaluate their "education quality process".
- To produce, assure and regularly improve the quality of teaching and learning.
- To streamline academic functions and standardize practices.
- To ensure every faculty member performs his/her best in teaching and research.
- To provide feedback to faculty members on area which need to improvement.
- To monitor the progress of Ph. D work of scholars and provide relevant guidance.

The Practice

Academic Audit is conducted once in every semester. Every faculty member maintains course files for the theory and the laboratory subjects handled during a particular semester which includes:

- Lesson Plan
- CO, PO, PEO and PSO and their mapping
- Attendance Record
- Internal marks statement
- Copies of test questions papers
- Samples of answer scripts
- Assignment samples
- Copies of teaching materials
- Old question papers
- Lab Observation/ manual/ lab records
- List of experiments conducted
- Topic beyond syllabi

Outcomes

- Improved performance of students in internal and external assessments.
- Focused on research progress by regular research scholars.

Evidence of Success

- The Audit mechanism has enhanced faculty members' contribution and their teaching quality which is reflected in student performance.
- The attendance and assessment record maintained by the faculty members is up to the standards.
- Overall performance of the students in written examination is good which exhibits the effective teaching methodology of the faculty members.
- Students have excelled in their creative skills and have emerged with outputs such as improved in percentage marks, pass percentage.
- The assessment pattern especially the components of Quality assessment adopted by the members of Faculty were found to be innovative and unique.

Other best Practices

- Remedial classes are arranged for academically weak and failed students by respective subject teachers after the college working hours.
- Digital class room facility is provided to meet advancement in technology.

- Laboratory facility is also kept open beyond the college working hours to improve the knowledge of the student.

Adjunct Faculty

- Service of eminent academicians and experts from the industry drafted in to our academic system.

Some of the key decisions taken based on academic audit include:

- Get feedback from students on examination and evaluation process
- Single question paper for common subjects from multiple set of question papers
- Random checking of periodical test papers

Internal-Audit Committee (IAC):

Table 8.2.1: Internal-Audit Committee

Faculty Name	Designation	Academic Year
Dr.N.Ramanjaneyulu	Associate Professor	2025-26 & 2026-27
Dr.M.ChennaKesavulu	Associate Professor	2025-26 & 2026-27
Dr.R.HanumaNaik	Associate Professor	2025-26 & 2026-27
Dr.A.Sathish	Professor	2023-24 & 2024-25
Dr.P.V.Gopi Krishna Rao	Professor	2023-24 & 2024-25
Dr.V.N.V.SatyaPrakash	Professor	2023-24 & 2024-25

Above faculty members are appointed as the members of IAC and they are directed to look after all matters related to stock available in Laboratories. i.e. Invoice/Bills are to be verified for every equipment. They should also verify log registers and Register of consumables/service. If found any discrepancy to be brought to the notice of HOD.

Internal Academic Audit Committee (IAAC)

Table 8.2.2: Internal Academic Audit Committee

Faculty Name	Designation	Academic Year
Dr.Y.Madhusudana Reddy	Assoc. Professor	2025-26 & 2026-27
Dr.C.Venkataiah	Assoc. Professor	2025-26 & 2026-27
Dr.N.Nagaraja Kumar	Assoc. Professor	2025-26 & 2026-27
Dr.N.Ramanjaneyulu	Assoc. Professor	2023-24 & 2024-25
Dr.M.ChennaKesavulu	Assoc. Professor	2023-24 & 2024-25
Dr.R.HanumaNaik	Assoc. Professor	2023-24 & 2024-25

Above faculty members are appointed as the members of IAAC and they are directed to look after all matters related to Internal Tests and Assignments conducted for theory exams and Laboratories.

Random checking of any 5 scripts of each subject,

If found any discrepancy to be brought to the notice of HOD

Table 8.2.3: Actions taken during the period of assessment

S.No	Suggestions of AAC	Action Taken
1.	Better practices can be further adopted in teaching learning processes	Layer learning / learning-by-doing / has been introduced in the curriculum to enhance the teaching-learning. In this methodology, assignments/projects are given to the students from I year onwards to learn, develop skills and gain hands-on experience through project works, lab experiments, presentation of papers in seminars thereby developing communications skills.
		Institution motivates students to take up industry defined problems for their projects. To sharpen the critical thinking among students, various group discussions, debates, exhibition, seminars, workshops are organized in which students discuss and to present in seminar on new ideas and emerging areas after referring to journals, books and consulting teachers. This cultivates self-learning ability, life-long learning skills, observation power, analytical mind, innovative thinking and creativity.
		Creative Learning Methodology has been introduced in the classroom teaching to understand the subjects through peer-learning, improving reading, writing and presentation skills, besides understanding the concepts using mind map.
2.	Flexibility in the syllabus with maximum number of electives and audit courses match towards excellence.	Curriculum provides the flexibility to students to choose self-study electives, special electives, open electives and one-audit courses and opt for courses offered by other departments.
3.	Teachers Should Further Be Motivated. For Attending FDP/Seminar/Symposia/Conferences & Workshops.	Faculty members are sponsored to attend these programmes. This is in practice right from the beginning. seminars/guest lectures/workshops/training programmes have been organized.
4.	Institute being research centre, regular Ph. D scholar be promoted for registration as a part of early faculty induction programme.	Ph.D entrance examination is conducted by the affiliated University. Candidates, once selected, are permitted to use the facilities of the College to conduct the research work. Further, they are also given teaching assignments as a part of early faculty induction programme.

8.3 Improvement in Faculty Qualification/Contribution (15)

Total Marks 15.00

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
No. of faculty members with Ph.D. degree	17.00	16.00	13.00
No. of publications in peer reviewed journals	37.00	17.00	10.00
No. of publications in conferences	16.00	0.00	7.00

8.4 Improvement in Academic Performance (10)

Total Marks 10.00

Institute Marks : 10.00

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
Academic Performance Index (API) of the First-Year Students in the Program (Refer to section 4.3)	6.24	6.43	6.17
Academic Performance Index (API) of the Second-Year Students in the Program (Refer to section 4.4)	6.29	5.39	5.76
Academic Performance Index (API) of the Third-Year Students in the Program (Refer to section 4.5)	6.30	6.99	7.34

9 STUDENT SUPPORT AND GOVERNANCE (120)

Total Marks 120.00

9.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 5.00

Please provide First year faculty information considering load

Name of the faculty member	PAN No.	Qualification	From Engineering Courses	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
Kavaturi Venka	ALOPK0102C	Ph.D	No	03/04/2007	Graph Theory	Professor	01/09/1995	Yes	Regular	
Surisetty Venka	APJPS7906M	Ph.D	No	14/05/2009	Fluid Dynamics	Professor	11/09/1995	Yes	Regular	
Patakota Suda	AYKPR8571M	Ph.D	No	09/09/2010	Fluid Dynamics	Professor	03/09/2007	Yes	Regular	
Dudekula Dast	AZNPB5133B	Ph.D	No	16/06/2021	Fluid Dynamics	Assistant Professor	01/11/2010	Yes	Regular	
Yemireddy Raji	AHCPY2154Q	Ph.D	No	26/12/2020	Fluid Dynamics	Assistant Professor	15/09/2012	Yes	Regular	
Paluru Sreedev	AYWPP9492R	Ph.D	No	30/10/2017	Fluid Dynamics	Assistant Professor	26/09/2014	Yes	Regular	
Ragipindi Char	AUKPR8425Q	Ph.D	No	30/12/2016	Fluid Dynamics	Assistant Professor	02/07/2016	Yes	Regular	
Poludasu Madh	CKDPM3289E	M.Sc	No	04/01/2012	Fluid Dynamics	Assistant Professor	02/12/2019	Yes	Regular	
Shaik Gundlur	BUYPS8809N	M.Sc	No	04/01/2007	Fluid Dynamics	Assistant Professor	01/01/2020	Yes	Regular	
Chouti Moulali	AKGPC7245P	M.Sc	No	04/01/2005	Fluid Dynamics	Assistant Professor	01/01/2020	Yes	Regular	
Bommireddy V	CFPPV9404P	M.Sc	No	08/01/2021	Fluid Dynamics	Assistant Professor	01/11/2021	Yes	Regular	
Boyella Sreeni	BGHPR8835C	M.Sc	No	05/01/2009	Fluid Dynamics	Assistant Professor	04/04/2022	Yes	Regular	
Avula Mallikarji	BCQPM3389H	Ph.D	No	06/02/2018	Fluid Dynamics	Assistant Professor	01/10/2022	Yes	Regular	
Emmadi Venka	BXCPR5361K	Ph.D	No	03/01/2020	Fluid Dynamics	Assistant Professor	03/03/2023	Yes	Regular	
Yeramala Akhil	EHGPA0040H	Ph.D	No	08/01/2021	Fluid Dynamics	Assistant Professor	03/03/2023	Yes	Regular	
Gunisetty Ram	CFLPG1580D	Ph.D	No	03/01/2024	Fluid Dynamics	Assistant Professor	01/04/2023	Yes	Regular	
Muttukuru Sanj	EESPM5209D	Ph.D	No	02/12/2025	Fluid Dynamics	Assistant Professor	02/01/2024	Yes	Regular	

Uppari Surekh:	KAFPS6954C	M.Sc	No	08/01/2021	Fluid Dynamics	Assistant Professor	02/01/2024	Yes	Regular	
Kattela Venkat:	BMFPV9537B	M.Sc	No	27/06/2018	Fluid Dynamics	Assistant Professor	02/01/2024	Yes	Regular	
Nagella Vijaya	AKRPN0487D	M.Sc	No	05/12/2025	Fluid Dynamics	Assistant Professor	02/01/2024	Yes	Regular	
Nirlakalla Ravi	AEVPN4680A	Ph.D	No	04/03/2013	Material Science	Professor	23/09/2004	Yes	Regular	
Syed Farooq	ABFPF3655E	Ph.D	No	07/01/2020	Photonics	Assistant Professor	14/07/2009	Yes	Regular	
Bungala Chinn	BBQPC2821K	Ph.D	No	06/08/2009	Material Science	Assistant Professor	01/08/2014	Yes	Regular	
Shaik Nayab R	DBLPS0784N	Ph.D	No	11/01/2014	Photonics	Assistant Professor	01/09/2014	Yes	Regular	
Vadlabanala Si	AGCPV6087C	Ph.D	No	01/05/2014	Photonics	Assistant Professor	01/08/2015	Yes	Regular	
Kummara Venk	ANAPV9943N	Ph.D	No	30/09/2013	Material Science	Associate Professor	01/08/2016	Yes	Regular	
Thota Ravanar	CYEPR5283A	Ph.D	No	27/02/2023	Supercapacitors and Batteries	Assistant Professor	01/02/2020	Yes	Regular	
Nallamala Kirai	ASOPN5695E	Ph.D	No	07/05/2014	Photonics	Assistant Professor	03/02/2020	Yes	Regular	
Varakooti Char	APVPV1852P	M.Sc	No	04/01/2011	Electronics	Assistant Professor	25/03/2022	Yes	Regular	
Birusani Arun E	BLYPB1649E	Ph.D	No	24/10/2019	Nanotechnology	Assistant Professor	01/09/2009	Yes	Regular	
Karreddula Raj	ELNPK3131C	Ph.D	No	02/03/2016	Inorganic Chemistry	Assistant Professor	16/06/2016	Yes	Regular	
Avula Balakrist	AOFPB8259R	Ph.D	No	16/08/2010	Organophosphorus Chemistry	Assistant Professor	03/07/2017	Yes	Regular	
Gunda Subbas	BJGPG0989L	Ph.D	No	18/12/2019	Inorganic Chemistry	Assistant Professor	11/06/2019	Yes	Regular	
Mulla Shama E	DUBPM6951G	M.Sc	No	22/07/2024	Organic Chemistry	Assistant Professor	15/07/2025	Yes	Regular	
Eraganaboyina	ABCPE2401Q	M.Sc	No	24/12/2013	Organic Chemistry	Assistant Professor	01/02/2020	Yes	Regular	
Mala Sreeniva:	BXNPM5785K	M.Sc	No	01/10/2009	Organic Chemistry	Assistant Professor	16/06/2022	Yes	Regular	

Bhimireddi Raj	BJJPB9831K	Ph.D	No	04/01/2011	Materials Science	Assistant Professor	20/03/2023	No	Regular	30/04/2025
Balam Sathees	AWAPB4757H	Ph.D	No	19/03/2015	Organic Chemistry	Assistant Professor	01/02/2024	Yes	Regular	
Yadava Suneel	ABLPY2626G	Ph.D	No	04/01/2012	ELT and Soft Skills	Professor	05/09/1995	Yes	Regular	
Agnikulakshatr	AQDPG6182C	Ph.D	No	13/11/2023	ELT and Soft Skills	Assistant Professor	01/08/2009	Yes	Regular	
Patala Kousar	AWGPP0715R	Ph.D	No	09/10/2023	ELT and Soft Skills	Assistant Professor	01/09/2009	Yes	Regular	
Muthyalapati A	BOKPM4112C	M.Phil	No	01/07/2020	Literature and Soft Skills	Assistant Professor	11/02/2013	Yes	Regular	
Miduthuri Venk	BCKPM8589B	MA	No	04/01/2007	Literature	Assistant Professor	01/03/2021	Yes	Regular	
Chittemreddi P	BUEPP8083P	MA	No	04/01/2011	ELT and Soft Skills	Assistant Professor	04/03/2021	Yes	Regular	
Chukka Sanka	BHZPG4085Q	Ph.D	No	08/01/2024	Literature	Assistant Professor	01/09/2021	Yes	Regular	
Yalluri Prameel	AMXPY8715B	MA	No	10/01/2011	ELT	Assistant Professor	04/04/2022	Yes	Regular	
Shaik Kouser	DYDPK0848G	MA	No	01/01/2014	Literature	Assistant Professor	04/04/2022	Yes	Regular	
Guddeti Kiran I	ANPPG7202E	Ph.D	No	27/12/2014	English Literature	Associate Professor	11/09/2023	Yes	Regular	
Chirravandla S	MNQPS6535M	MA	No	21/05/2011	ELT	Assistant Professor	02/01/2024	Yes	Regular	
Shaik Vagilibar	CGEPM1478A	MA	No	15/05/2017	ELT	Associate Professor	02/01/2024	Yes	Regular	
Machireddy Su	BIQPS6477J	Ph.D	Yes	23/09/2011	Remote Sensing And Gis	Associate Professor	27/06/2016	Yes	Regular	
Siddam Reddy	BYCPV7502F	Ph.D	Yes	26/09/2023	Structural Engineering	Assistant Professor	22/08/2022	Yes	Regular	
Meniga Naveel	BTPR9244L	Ph.D	Yes	06/07/2016	Geotechnical Engineering	Assistant Professor	04/01/2024	Yes	Regular	
Muppasani Sat	ARTPM3379G	M.Tech	Yes	19/09/2009	Machine Design	Assistant Professor	10/12/2009	Yes	Regular	
Boya Dinesh B	AZMPB1071F	M.Tech	Yes	05/01/2012	Energy Systems	Assistant Professor	25/01/2012	Yes	Regular	

Mulla Khajagul	BZSPM4999Q	M.Tech	Yes	04/10/2013	Advanced Manufacturing Systems	Assistant Professor	01/07/2013	Yes	Regular	
Toguru John B:	AKDPT1407D	M.Tech	Yes	28/12/2012	Advanced Manufacturing Systems	Assistant Professor	01/10/2013	Yes	Regular	
Kolavali Aswari	CUNPK5876M	M.Tech	Yes	06/02/2017	Internal Combustion Engines	Assistant Professor	25/07/2017	No	Regular	24/06/2023
Dudekula Huss	GGJPB0587A	Ph.D	Yes	07/02/2022	Energy Systems	Assistant Professor	02/09/2023	No	Regular	30/06/2025
Donti Satyanar	AGRPD5827D	Ph.D	Yes	01/06/2009	Speech Signal Processing	Professor	22/07/1996	Yes	Regular	
Talluri Thiruma	AQHPT7851P	M.Tech	Yes	07/10/2014	Digital Systems and Computer Electronics	Assistant Professor	01/04/2021	No	Regular	31/07/2024
Thota Ashok Ki	DDFPK3024M	M.Tech	Yes	16/12/2013	Power Electronics	Assistant Professor	16/06/2016	Yes	Regular	
Padmasetty Ka	EHEPP4005F	M.Tech	Yes	19/04/2022	Power Systems	Assistant Professor	02/06/2023	Yes	Regular	
Vankadari Nag	AFXPV8350G	M.Tech	Yes	10/05/2013	Computer Science Engineering	Assistant Professor	03/11/2008	Yes	Regular	
Bana Swetha	FPQPS4501Q	M.Tech	Yes	05/04/2013	Computer Science	Assistant Professor	05/06/2017	Yes	Regular	
Vaka Ravi Kan	CZWPK6009E	M.Tech	Yes	05/01/2016	Software Engineering	Assistant Professor	08/06/2017	Yes	Regular	
Koduru Mallika	BKQPK4306L	MCA	Yes	09/06/2012	Master of Computer Applications	Assistant Professor	01/11/2019	Yes	Regular	
Yelampalle Pac	EZTPR6170N	M.Tech	Yes	15/10/2022	IOT	Assistant Professor	02/01/2024	Yes	Regular	
Chamarthy Kris	AFFPC4125G	M.Tech	Yes	01/05/1995	Structural Engineering	Associate Professor	05/09/1995	No	Regular	06/12/2025
Kalimi Muralid	APAPK5486K	Ph.D	No	28/07/2008	Instrumentation	Professor	11/09/1995	No	Regular	31/05/2025
Birusanti Sune	CJOBP1319Q	M.Sc	No	04/01/2011	Organic Chemistry	Assistant Professor	01/02/2020	No	Regular	17/09/2025
Meti Varunashr	BUJPV3539D	M.Tech	Yes	08/02/2020	Structural Engineering	Assistant Professor	08/03/2021	No	Regular	30/08/2025
Gundala Sravy	BFTPG6098H	Ph.D	No	13/10/2015	Organosulphur Chemistry	Assistant Professor	04/04/2022	No	Regular	01/06/2024

Mamilla Rathai	AZMPR4723Q	Ph.D	No	20/04/2004	Material Science	Associate Professor	15/05/2023	No	Regular	07/01/2025
Rama Srinivas	AQYPR3266K	MA	No	20/04/2004	ELT	Assistant Professor	02/01/2024	No	Regular	29/09/2025
Bommana Indu	CZFPB5158N	M.Tech	Yes	12/12/2016	Embedded Systems	Assistant Professor	01/12/2021	Yes	Regular	
Batta Bindu	COYPB5049E	M.Tech	Yes	01/02/2023	VLSI	Assistant Professor	15/09/2023	Yes	Regular	
Gadamsetty N:	BSPPP0878M	M.Tech	Yes	28/12/2015	Computer Science	Assistant Professor	01/03/2021	No	Regular	02/05/2024
Mohammed H:	ALJPH7998A	M.Sc	No	01/04/2010	Electronics	Assistant Professor	03/07/2020	Yes	Regular	
Bhilavath Girin:	FGVPB1563D	M.Tech	Yes	21/06/2024	Structural Engineering	Assistant Professor	08/07/2024	Yes	Regular	
Amaram Moun	EFWPM9136N	M.Tech	Yes	02/11/2018	Structural Engineering	Assistant Professor	05/12/2024	Yes	Regular	
Rathlavath Har	AJKPH6780M	M.Sc	No	30/04/2012	Polymers	Assistant Professor	13/06/2024	Yes	Regular	
Boya Sireesha	FCRPS9930P	M.Sc	No	17/09/2011	Polymers	Assistant Professor	01/11/2025	Yes	Regular	
Syed Sana Mu	GUIPS3092A	M.Sc	No	22/07/2024	Polymers	Assistant Professor	15/07/2025	Yes	Regular	
Bandari Monor	JFDPM3142G	M.Sc	No	30/09/2023	Polymers	Assistant Professor	23/07/2025	Yes	Regular	
Shaik Dastagiri	AZNPD4582G	MCA	No	01/10/2011	Master of Computer Applications	Assistant Professor	02/01/2024	Yes	Regular	
Shaik Rafi	BNAPR9557H	MCA	No	11/10/2013	Master of Computer Applications	Assistant Professor	04/01/2021	Yes	Regular	
Pikkili Venkata	EKRPP9788P	M.Tech	Yes	16/09/2019	Advanced Manufacturing Systems	Assistant Professor	01/03/2021	Yes	Regular	
Godlaveeti Sre	BLSPK4936M	M.Sc	No	28/09/2020	Electronics	Assistant Professor	02/06/2025	Yes	Regular	
Yeti Danarao	BCRPY0823R	Ph.D	No	17/12/2025	Electronics	Assistant Professor	18/08/2025	Yes	Regular	
Kapa Reddy	EBYPR4915N	MA	No	11/06/2019	Literature	Assistant Professor	23/06/2025	Yes	Regular	
Suraboina Pra:	GDXPP6877A	MA	No	14/08/2021	Literature	Assistant Professor	01/08/2024	Yes	Regular	

Gorlagutta Mac	GOHPS6082F	MCA	No	22/11/2011	Master of Computer Applications	Assistant Professor	03/02/2020	Yes	Regular	
Shaik Vaseem	BFZPA5560C	MCA	No	30/06/2016	Master of Computer Applications	Assistant Professor	03/02/2020	Yes	Regular	
Tumu Jayanthi	DDIPJ3107H	M.Sc	No	11/02/2022	Fluid Mechanics	Assistant Professor	07/05/2025	Yes	Regular	
Kuruva Hemav	BLHPH6764B	M.Sc	No	18/07/2022	Fluid Mechanics	Assistant Professor	01/04/2025	Yes	Regular	
Nagireddy Rav	AXPPN8261L	M.Sc	No	01/02/2017	Fluid Mechanics	Assistant Professor	01/08/2024	Yes	Regular	
Aliya Sultana	AROPS3935K	Ph.D	No	22/11/2012	HR and Finance	Associate Professor	14/07/2014	Yes	Regular	
Kommu Sunil K	EJTPK8457B	MBA	No	29/10/2015	Finance	Assistant Professor	01/09/2022	Yes	Regular	
Sutraye Sowja	DGQPS0273G	Ph.D	No	16/06/2023	HR and Marketing	Assistant Professor	24/07/2006	Yes	Regular	
Nammika Raja	AQDPR7567G	Ph.D	No	02/04/2024	Finance and Marketing	Assistant Professor	01/04/2022	Yes	Regular	
Madasu Hariith	AFEPH7605D	MBA	No	01/02/2022	Finance and Marketing	Assistant Professor	01/08/2022	Yes	Regular	
Yaddanapudi M	ADCPY0014B	MBA	No	21/03/2024	Finance	Assistant Professor	06/04/2022	Yes	Regular	
Manikrindi Sha	CUIPM2511G	MBA	No	25/07/2015	Finance and Marketing	Assistant Professor	11/11/2024	Yes	Regular	
Narasannagari	COCPG4414G	MBA	No	10/10/2020	HR and Finance	Assistant Professor	01/11/2025	Yes	Regular	
Dr.A.Suresh Kt	CDYPS1696D	Ph.D	Yes	15/09/2021	Power Electronics	Associate Professor	08/01/2008	Yes	Regular	
G Priyanka	CUSPP7686P	M.Tech	Yes	13/02/2019	Power Electronics	Assistant Professor	03/12/2021	Yes	Regular	
G Siva Krishna	BWDPG7408L	M.Tech	Yes	03/01/2017	Power Systems	Assistant Professor	05/01/2023	Yes	Regular	
P Sesi Kiran	AWNPP4655P	M.Tech	Yes	05/07/2012	Power Systems	Assistant Professor	07/12/2012	Yes	Regular	
G Kumara swa	BJKPS6914D	M.Tech	Yes	16/08/2010	Power Electronics	Assistant Professor	07/01/2005	Yes	Regular	
A Vedavathi	ASWPV1355P	M.Tech	Yes	28/12/2016	Power Electronics	Assistant Professor	07/01/2022	Yes	Regular	

K Saraswathi	HGPPS8072G	M.Tech	Yes	09/06/2022	Power Electronics	Assistant Professor	08/05/2019	Yes	Regular	
P Saisampath I	BHJPP1271P	M.Tech	Yes	08/02/2012	Power Electronics	Assistant Professor	11/09/2012	Yes	Regular	
R Satish Kuma	AMCPR8369M	M.Tech	Yes	24/12/2014	Power Electronics	Assistant Professor	26/09/2009	Yes	Regular	
D Lenine	ADZPL0919M	Ph.D	Yes	15/06/2013	Power Electronics	Professor	11/10/2006	Yes	Regular	
K Prahlada Re	BXKPK6991G	M.Tech	Yes	11/09/2013	Power Electronics	Assistant Professor	18/05/2023	Yes	Regular	
J Nagarjuna R	ARXPR9163M	M.Tech	Yes	27/11/2009	Power Electronics	Assistant Professor	16/07/2008	Yes	Regular	
Mr E Narasimh	ABDPE5491P	M.Tech	Yes	25/02/2012	Power Systems	Assistant Professor	12/12/2012	Yes	Regular	
Alabazar Ram	BVUPA5792D	M.Tech	Yes	20/01/2016	Computer Science	Assistant Professor	10/06/2024	Yes	Regular	
Boya Rama Su	ASUPB7431Q	Ph.D	Yes	16/11/2024	Big Data	Assistant Professor	20/06/2024	Yes	Regular	
P Nagaraju	AOZPN3969A	Ph.D	Yes	23/09/2025	FOG enabled VANETs	Assistant Professor	11/08/2025	Yes	Regular	
V Jeevan Kum	AHGPV2832C	M.Tech	Yes	02/08/2024	Computer Science and Engineering	Assistant Professor	02/06/2025	Yes	Regular	
P Prathap Nay	ASWPP3921B	Ph.D	Yes	27/06/2023	Network Security	Assistant Professor	11/07/2008	Yes	Regular	
N Ramanjaney	ASBPR1967J	Ph.D	Yes	26/03/2018	Computer Networks	Professor	18/06/2024	Yes	Regular	
V Giridhar Kurr	AILPG6640F	M.Tech	Yes	03/11/2003	Structural Engineering	Assistant Professor	15/07/2024	Yes	Regular	
K R Harinath	AFGPH3110M	M.Tech	Yes	10/01/2014	Computer Science and Engineering	Assistant Professor	19/06/2017	Yes	Regular	
K Bharat Kum	EVPPB9244F	M.Tech	Yes	08/03/2019	Highway Technology	Assistant Professor	17/08/2022	Yes	Regular	
G Chennakesa	BQAPG8426K	M.Tech	Yes	01/10/2019	Computer Science And Engineering	Assistant Professor	24/04/2025	Yes	Regular	
B Giridhar Naik	FGVTD1563D	M.Tech	Yes	21/06/2024	Structural Engineering	Assistant Professor	08/07/2024	Yes	Regular	
P Kranthi Kiran	JUHPK1646G	M.Tech	Yes	03/07/2024	Structural Engineering	Assistant Professor	27/06/2025	Yes	Regular	
Udaya Kumar \	AGTPV9928P	M.Tech	Yes	30/07/2013	Computer Science and Engineering	Assistant Professor	11/08/2025	Yes	Regular	

V Madhu	AXJPV7747H	M.Tech	Yes	07/11/2020	Environmental Engineering	Assistant Professor	01/03/2021	Yes	Regular	
Janardhan Kor	AHEPJ1324M	M.Tech	Yes	17/06/2011	Computer Science and Engineering	Assistant Professor	05/06/2017	Yes	Regular	
B Ummer Bash	GMNPB6073F	M.Tech	Yes	07/03/2022	Water Resource Engineering	Assistant Professor	25/07/2022	Yes	Regular	
D Victor Abhisr	BASPV6808A	M.Tech	Yes	24/04/2021	Computer Science And Engineering	Assistant Professor	14/05/2025	Yes	Regular	
T Shanthala	FSTPS7864G	M.Tech	Yes	03/05/2018	Structural Engineering	Assistant Professor	03/01/2024	Yes	Regular	
K Venkateswar	AUYPV7276M	Ph.D	Yes	25/05/2024	Structural Engineering	Assistant Professor	06/01/2024	Yes	Regular	
S Snigdha Mal	DHQPM0746D	M.Tech	Yes	03/05/2017	Structural Engineering	Assistant Professor	06/04/2022	Yes	Regular	
Neha V Chava	CULPC4950N	M.Tech	Yes	28/10/2025	Structural Engineering	Assistant Professor	08/01/2026	Yes	Regular	
T Raghavendr	AXKPT2504M	M.Tech	Yes	05/01/2015	Structural Engineering	Assistant Professor	01/06/2015	Yes	Regular	
B Sidda Reddy	AOZPB5369L	Ph.D	Yes	24/10/2014	Mechanical Engineering	Associate Professor	09/09/2005	Yes	Regular	
Upendra Rajak	APBPR3868K	Ph.D	Yes	18/11/2019	Thermal Engineering	Assistant Professor	26/02/2020	Yes	Regular	
Manoj Panchal	CNOPM5420W	Ph.D	Yes	08/06/2020	Nano Composite Materials	Assistant Professor	18/02/2020	Yes	Regular	
M Venugopal N	CBLPM8515N	Ph.D	Yes	26/12/2024	Composite Materials	Assistant Professor	05/08/2024	Yes	Regular	
Syed Khalid Ht	BBBPS1730E	Ph.D	Yes	31/08/2013	Advanced Machining	Assistant Professor	23/08/2024	Yes	Regular	
Hussain Vali	BZEPR2935R	Ph.D	Yes	01/07/2022	IC Engine	Assistant Professor	03/03/2025	Yes	Regular	
Y SureshBabu	AFEPY5252R	M.Tech	Yes	10/12/2007	CAD and CAM	Associate Professor	25/09/2008	Yes	Regular	
N Upendhra	AFKPN6181Q	M.Tech	Yes	31/12/2013	Machine Design	Assistant Professor	06/07/2013	Yes	Regular	
G V Satyanara	FDKPS2705E	M.Tech	Yes	01/02/2013	Refrigeration and Air Conditioning	Assistant Professor	21/09/2012	Yes	Regular	
B Chinna Anka	AMGPB0637E	Ph.D	Yes	24/12/2025	Mechanical Engineering	Associate Professor	10/07/2013	Yes	Regular	

B Suresh	GHRPS5612E	M.Tech	Yes	10/12/2014	Thermal Sciences and Energy Systems	Assistant Professor	01/07/2015	Yes	Regular	
B Veerendra	BMFPB2147H	M.Tech	Yes	10/12/2014	Thermal Sciences and Energy Systems	Assistant Professor	23/06/2016	Yes	Regular	
G Panduranga	DDUPP3225A	M.Tech	Yes	23/01/2017	Machine Design	Assistant Professor	12/04/2021	Yes	Regular	
K Sudha Madh	EVOPS6207J	Ph.D	Yes	25/03/2019	Machine Design	Associate Professor	01/09/2012	Yes	Regular	
CH Srilakshmi	APLPC6704R	Ph.D	Yes	16/09/2025	Computer Network with Deep Learning	Assistant Professor	01/12/2025	Yes	Regular	
Dr A Sathish	AEMPA5325E	Ph.D	Yes	16/10/2015	Low Power VLSI	Professor	26/02/2003	Yes	Regular	
Dr P V Gopi Kr	ANRPP1120C	Ph.D	Yes	11/07/2015	Robust Control Systems	Professor	05/07/2002	Yes	Regular	
Dr J Sofia Priya	AISPJ3268P	Ph.D	Yes	09/01/2018	Wireless Communications	Professor	01/07/2005	Yes	Regular	
Dr S Govindaraj	ANTPG1544R	Ph.D	Yes	28/08/2013	VLSI	Professor	03/05/2024	Yes	Regular	
R Hanuma Nai	AJXPN2873L	Ph.D	Yes	18/08/2018	Multivariable Control System	Associate Professor	01/07/2006	Yes	Regular	
Y Madhu Sudh	ALTPR2724G	Ph.D	Yes	17/04/2023	Image Processing	Associate Professor	22/06/2007	Yes	Regular	
N Nagaraja Ku	AGCPN3494P	Ph.D	Yes	27/03/2024	Image Processing	Associate Professor	22/09/2005	Yes	Regular	
J Leele Mahen	CCKPM7331Q	M.Tech	Yes	12/07/2011	DSCE	Assistant Professor	11/06/2008	Yes	Regular	
P Rangappa	ARWPP7901N	M.Tech	Yes	17/11/2010	DSCE	Assistant Professor	01/07/2015	Yes	Regular	
M Krishna Reddy	BOPPM4209F	Ph.D	Yes	09/11/2024	Wireless Communications and Networks	Assistant Professor	01/01/2025	Yes	Regular	
N Vinod Kumar	BAQPN9907A	M.Tech	Yes	16/12/2015	Embedded Systems	Assistant Professor	15/04/2025	Yes	Regular	
G Bindu Bharg	BSDPG1037K	M.Tech	Yes	06/04/2017	Communication and Signal Processing	Assistant Professor	09/07/2022	Yes	Regular	
N Nazma	BRTPB1835P	M.Tech	Yes	10/12/2013	VLSI	Assistant Professor	18/07/2022	Yes	Regular	
B V S N LAKSI	CELPB3777A	M.Tech	Yes	26/08/2013	Computer Science and Engineering	Assistant Professor	11/07/2024	Yes	Regular	

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members $\frac{((NS1*0.8) + (NS2*0.2))}{(\text{No. of required faculty (RF4)})}$; Percentage= $\frac{((NS1*0.8) + (NS2*0.2))}{RF}$
2023-24(CAYm2)	1140	57	55	61	99
2024-25(CAYm1)	1620	81	66	75	84
2025-26(CAY)	1620	81	71	82	90
Average Percentage					90.89

9.2 Mentoring system (5)

Total Marks 5.00

Process of Mentoring:

Each faculty is assigned with 15-20 students and the frequency of counselling is twice in a semester, the concerned faculty will look after the following aspects:

- a. Day to day academic performance
- b. Attendance
- c. Performance in internal and external examinations
- d. Assignments
- e. Regular counselling.
- f. Encourage the students to participate in Extra academic activities, Paper Presentations and Seminars etc.,
- g. Career guidance and
- h. Interaction with parents if necessary

The following Table .9.1.1 gives the details of the students allocated for each mentor:

II YEAR

S.No	Regd.No	Name	Mentor
1	24091A0401	Chaduvula Abhilash Reddy	Dr.S.Govindarajulu
2	24091A0402	Shaik Abhimunnisha	
3	24091A0403	Ragipindi Abhishek Reddy	
4	24091A0404	Jolla Pennappagari Akshitha	
5	24091A0406	Dudekula Ameena Bee	
6	24091A0407	Potham Anantheswara Reddy	
7	24091A0408	Dungavath Anji Naik	
8	24091A0409	Alumuru Anusha	
9	24091A0410	Venkatannagari Anusha	
10	24091A0411	Peramala Archana	
11	24091A0412	Kuruba Ashok	
12	24091A0413	Kandagatla Ashok Kumar	
13	24091A0414	Thondaladinne Siddappa Gari Ayesha Banu	
14	24091A0415	Patnam Badrinath	
15	24091A0416	Srikantam Bala Raghu Ram	
16	24091A0417	Bhumana Beulah Scudder	
17	24091A0418	Velugu Bhanu Prakash	
18	24091A0419	Kappala Bharath	
19	24091A0421	Nara Bharath Reddy	

S.No	Regd.No	Name	Mentor
20	24091A0422	Chakali Bhargavi	Mr.J.Leela Mahendra Kumar
21	24091A0423	Thuttampuri Bhavani	
22	24091A0424	Nandaluri Bhavishya	
23	24091A0425	Tapila Bhavitha	
24	24091A0426	Bandi Gari Bhuvaneswari	
25	24091A0427	Telliki Chaitanya	
26	24091A0428	Birisinti Chakradhar	
27	24091A0429	Katha Chakradhar Reddy	
28	24091A0430	Thota Chandana Sahasra	
29	24091A0431	P Chandana Sai	
30	24091A0432	Kullu Charankumar	
31	24091A0433	Kanakurthi Chennakesava Ravi Prakash	
32	24091A0434	Bayapureddy Deepika	
33	24091A0435	Harijana Deevena	
34	24091A0436	Kanta Dhanunjaya	
35	24091A0437	Katta Dharani	
36	24091A0438	Kummari Dharma Teja	
37	24091A0439	Bandi Ganesh	
38	24091A0440	Kuruba Ganesh	

S.No	Regd.No	Name	Mentor
39	24091A0441	Kummari Ganesh	Dr.S.V.Ratan Kumar
40	24091A0443	Maduru Ganga Chandrika	
41	24091A0444	Dabba Geetha	
42	24091A0445	Bairigari Girish Goud	
43	24091A0446	Pothur Gnanananda	
44	24091A0447	Shaik Gousiya	
45	24091A0448	Boreddy Goutham Kumar Reddy	
46	24091A0449	Maddala Govinda	
47	24091A0450	Gajula Gowri Shankar	
48	24091A0451	Boya Gowtham Kumar	
49	24091A0452	Bheemireddy Greeshma Reddy	
50	24091A0453	Udayagiri Hajirabi	
51	24091A0454	Kommu Hanumanthu	
52	24091A0455	Chigicherla Hari	
53	24091A0456	Vadla Harikrishna Chari	
54	24091A0457	B Harshavardhanreddy	
55	24091A0458	Kota Harshini	
56	24091A0459	Sunkara Harshith	
57	24091A0460	Chilaka Harshitha	

S.No	Regd.No	Name	Mentor
58	24091A0461	Survipalli Hema Sai Charan	Mr.P.Chandra Sekhar
59	24091A0463	Malameeda Palli Hemanth Kumar	
60	24091A0464	Chinnakotla Imran Basha	
61	24091A0465	Shaik Jabeen	
62	24091A0466	Kopparapu Jagadeeswar	
63	24091A0467	Mukkamalla Jagadeeswara Reddy	
64	24091A0468	Syed Jahara Begam	
65	24091A0469	Kaniga Jasmitha Akhila	
66	24091A0470	Kola Jaswanth Abhishaik	
67	24091A0471	Palle Jaswitha	
68	24091A0473	Sakalavathi Jayanth Naik	
69	24091A0474	Andluru Jayasimha Reddy	
70	24091A0475	Askanuru Jeswanth	
71	24091A0476	Palle Jeswanth Kumar	
72	24091A0477	Kotte Joshika	
73	24091A0478	Pulimi Kalyani	
74	24091A0479	E Kamal	
75	24091A0480	Sunni Karimulla	
76	24091A0481	Pulimi Karthik Raju	

S.No	Regd.No	Name	Mentor
77	24091A0482	Badugu Keerthi	Mr.S.Kashif Hussain
78	24091A0483	Dudekula Khajahussain	
79	24091A0484	Manchala Kondareddy	
80	24091A0485	Maram Koushik	
81	24091A0486	Gali Lakshmi	
82	24091A0487	Pentrala Lakshmi Lasya	
83	24091A0488	Pallepati Lakshmi Narasimha	
84	24091A0489	Donepudi Lakshmi Narayana	
85	24091A0490	Tumu Lakshmi Prasanna	
86	24091A0491	Beesati Lakshmi Sai Kumar	
87	24091A0492	Bodduri Lavanya	
88	24091A0493	Pemma.Lavanya	
89	24091A0494	Muttala Likhith Reddy	
90	24091A0495	Shankara Likhitha	
91	24091A0496	Boya Likitha	
92	24091A0497	Degala Likitha	
93	24091A0498	Viswanatham Likitha	
94	24091A0499	Kuppa Lohitha	
95	24091A04A0	Shaik Mabunni	

S.No	Regd.No	Name	Mentor
96	24091A04A1	Shaik Madarvali	Smt.V.Saraswathi
97	24091A04A2	Kolimi Mahaboob Basha	
98	24091A04A3	Shaik Mahaboob Basha	
99	24091A04A5	Golla Mahendra	
100	24091A04A7	Munagaboyina Mahesh	
101	24091A04A9	Naruboyana Maithramma	
102	24091A04B0	Bojja Mallem Lokesh	
103	24091A04B1	Kantennagari Malleswari	
104	24091A04B2	Sappogula Mamatha	
105	24091A04B3	Yadava Manasa	
106	24091A04B4	Gattu Maniteja	
107	24091A04B5	Kannamadakala Manjunatha Reddy	
108	24091A04B6	Chenna Reddy Gari Naga Manohar Reddy	
109	24091A04B7	Bollavarm Manoj	
110	24091A04B8	Nadiminti Manoj Kumar	
111	24091A04B9	Ponkam Manoj Kumar	
112	24091A04C0	Shaik Mansoor	
113	24091A04C1	Maile Manvith	
114	24091A04C2	Kaipa Manvitha Reddy	

S.No	Regd.No	Name	Mentor
115	24091A04C3	Madhagowni Meghana	Mr.P.Rangappa
116	24091A04C4	Shaik Mohammad Akhib	
117	24091A04C5	Shaik Mohammad Anas	
118	24091A04C6	Shaik Mohammad Asif	
119	24091A04C8	Shaik Mohammed Asif	
120	24091A04C9	Vallepu Muni Neeraja	
121	24091A04D0	Gutipalle Naga Charitha	
122	24091A04D1	Singam Setti Naga Mallika	
123	24091A04D2	Maddireddy Venkata Naga Ramana Reddy	
124	24091A04D3	Golla Nagare nukamma	
125	24091A04D4	Belum Nanda Kishore Reddy	
126	24091A04D5	Talari Narasappa	
127	24091A04D6	Banda Narasimha	
128	24091A04D7	Boya Narasimha Raju	
129	24091A04D8	Dudyala Narendra	
130	24091A04D9	Matam Narendra Kumar Swamy	
131	24091A04E0	Manikinda Narendra	
132	24091A04E1	Lekkala Navadeep	
133	24091A04E2	Kandhanathi Naveen	

S.No	Regd.No	Name	Mentor
134	24091A04E3	Vallam Navya	Mr.M.V.Raja Sekhar
135	24091A04E4	Gajjala Nishanth Reddy	
136	24091A04E5	Mogili Nithin	
137	24091A04E6	Kuruva Nithish	
138	24091A04E7	Basinepalli Omkar Reddy	
139	24091A04E8	Devireddy Padmavathi	
140	24091A04E9	Chukka Pallavi	
141	24091A04F0	Boya Pavan Kumar	
142	24091A04F1	Kuruba Pavankumar	
143	24091A04F2	Kusuri Poojitha	
144	24091A04F3	Poluru Pranitha	
145	24091A04F4	Pulipati Pravali	
146	24091A04F5	Kimavath Praveen Naik	
147	24091A04F6	Chennamsetty Puneeth Kumar	
148	24091A04F7	Dudekula Rafi	
149	24091A04F8	Afkhan Rahim Khan	
150	24091A04F9	Mekala Rajitha	
151	24091A04G0	G Rakesh	
152	24091A04G1	Udithe Rakesh Nayak	

S.No	Regd.No	Name	Mentor
153	24091A04G3	Bobbadi Ravikiran	Smt.M.Maheswari
154	24091A04G4	Pindrothu Renu Nikhila	
155	24091A04G5	Redyam Revathi	
156	24091A04G6	Satipati Revathi	
157	24091A04G7	Putta Rithika	
158	24091A04G8	Chenchu Rohith	
159	24091A04G9	Suryadevara Rohith Chowdary	
160	24091A04H0	Devaki Rohith Kumar	
161	24091A04H1	Mukthapuram Sai Harshith	
162	24091A04H2	Rentala Sai Santhosh	
163	24091A04H3	Ediga Saikiran Gowd	
164	24091A04H4	Shaik Sameer	
165	24091A04H5	Singanamala Sameera	
166	24091A04H6	Dudekula Saniya	
167	24091A04H7	Shaik Midde Saniya Mirza	
168	24091A04H8	J.Sanjeeva Raju	
169	24091A04H9	Kamatham Santhosh Kumar	
170	24091A04J0	Chavidi Santosh	
171	24091A04J1	Shaik Saqlain	

S.No	Regd.No	Name	Mentor
172	24091A04J2	Etthadi Satish Kumar	Smt.R.Sireesha
173	24091A04J3	Bhaskara Seetha Mahalakshmi	
174	24091A04J4	Shaik Shahid	
175	24091A04J5	Shaik Sheema Tabasum	
176	24091A04J6	Guda Sheshandra Reddy	
177	24091A04J7	Chavva Shiva Kumar	
178	24091A04J8	Masapogu Shiva Shankar	
179	24091A04J9	Lakkineni Shylani	
180	24091A04K0	Chilukuri Sireesha	
181	24091A04K1	Nagaruri Sireesha	
182	24091A04K2	Bakthuluru Siva Kumar	
183	24091A04K3	Dwarakonda Siva Kumar	
184	24091A04K4	Vennapusa Siva Sai Rohitha	
185	24091A04K5	Garige Snehalatha	
186	24091A04K6	Turaka Sowmya	
187	24091A04K7	Jolla Pennappa Gari Sravani	
188	24091A04K8	Posa Sree Poojitha	
189	24091A04K9	Gutavula Sree Sandhya	
190	24091A04M0	Sreedhar	

S.No	Regd.No	Name	Mentor
191	24091A04M1	Chakali Sreeja	Mr. D. Rajesh Setty
192	24091A04M2	Kuruva Sreekanth	
193	24091A04M3	Mangali.Sreekanth	
194	24091A04M4	Ashireddy Sreelakshmi	
195	24091A04M5	Challa Sreelekha	
196	24091A04M6	Midde Srimanth	
197	24091A04M7	Kurupati Sriranga Srinivasa Chowdary	
198	24091A04M8	Degala Suchitra	
199	24091A04N0	Velpucherla Sudheshna	
200	24091A04N1	Gajula Suhana Muskan	
201	24091A04N2	Manjula Sujay Krishna	
202	24091A04N3	Sreepathi Sujith	
203	24091A04N4	Sare Sukesh	
204	24091A04N5	Devanala Sumanth	
205	24091A04N6	Sontela Surekha	
206	24091A04N7	Banda Swathi	
207	24091A04N9	Kaki Swathi	
208	24091A04P0	Kappati Teja	
209	24091A04P1	Gangireddy Tejaswini	

S.No	Regd.No	Name	Mentor
210	24091A04P2	Pasupuleti Tejaswini	Ms.N.Fouzia Sulthana
211	24091A04P3	Moraboina Tejeswini	
212	24091A04P4	Owku Thanmai	
213	24091A04P5	Boreddy Tharun Kumar Reddy	
214	24091A04P6	Yadiki Thasleema Nasreen	
215	24091A04P7	Neeli Thejaswani	
216	24091A04P8	Bhajentriala Trisha	
217	24091A04P9	Chitrala Ujwal Mukesh	
218	24091A04Q0	Kedar Umesh Iranna	
219	24091A04Q1	Eerla Upendra	
220	24091A04Q2	Vemulakota Upendra	
221	24091A04Q3	Gali Vamsi Krishna	
222	24091A04Q4	Maruru Vamsi Krishna	
223	24091A04Q5	Duggani Vani	
224	24091A04Q6	Kathe Varshini	
225	24091A04Q7	Yarramreddy Varshitha	
226	24091A04Q8	Giripogu Varun Kumar	
227	24091A04Q9	Mala Veeresh	
228	24091A04R0	Katasani Venkata Jaswanth Reddy	

S.No	Regd.No	Name	Mentor
229	24091A04R1	Uppara Venkata Mahesh	Smt.N.Lakshmi Prasanna
230	24091A04R2	Seela Venkata Prasad	
231	24091A04R3	Vanthatipalli Venkata Prashanth	
232	24091A04R4	Lingam Venkata Sree Dhanush	
233	24091A04R5	Venkata Vybhav Reddy Kandi	
234	24091A04R6	Golla Venu	
235	24091A04R7	Naruboyina Venu Gopal	
236	24091A04R8	Jaladurgam Venu Harsha Vardhan Reddy	
237	24091A04R9	Narayananaikgari Venugopal Naik	
238	24091A04S0	Nare Vijay	
239	24091A04S1	Mangala Vinay Kumar	
240	24091A04S2	Maile Vinay	
241	24091A04S3	Kappera Vineela	
242	24091A04S4	Mukkara Vishnu Vardhan	
243	24091A04S5	Simuni Vishnu Vardhan Reddy	
244	24091A04S6	Sambaturi Vishnuvardhan Achari	
245	24091A04S7	Yarrannagari Yagnasree	
246	24091A04S8	Minige Yashwanth	
247	24091A04S9	B Yellashivudu	

S.No	Regd.No	Name	Mentor
248	24091A04T0	G Yeswanth Reddy	Smt.M. Prasanthi
249	24091A04T1	Gadige Yogesh	
250	24091A04T2	Kamatam Yogitha	
251	24091A04T3	Sheik Zuber Ahmed	
252	23091A0457	Chegireddy Harshavardhan Reddy	
253	25095A0401	Bandham Amrutha Varshini	
254	25095A0402	Talari Ananda Kumar	
255	25095A0403	Sirasala Anjali	
256	25095A0404	Galiboina Ashok	
257	25095A0405	Seelam Narammagari Chandrahas	
258	25095A0406	Shaik Gulam Rasool	
259	25095A0407	Jeripiti Hemalatha	
260	25095A0408	Mariyani Jagadeesh	
261	25095A0409	Chakali Lahari	
262	25095A0410	Kalva Mallikarjun	Mr.K.Masthanvali
263	25095A0411	Polanki Manasa	
264	25095A0412	Patan Moubashiraa Beghum	
265	25095A0413	Gavvala Nandeeswar	
266	25095A0414	Mude Navyasree	
267	25095A0415	Dadiboyina P N V Sai Kumar	
268	25095A0416	Velpula Pavan Kumar	
269	25095A0417	Dudekula Sameera (651)	
270	25095A0418	Dudekula Sameera (768)	
271	25095A0419	Sannakki Shailaja	
272	25095A0420	Gali Shiva Shankar	
273	25095A0421	Nukala Sreenath	
274	25095A0422	Karreddula Varshitha	
275	25095A0423	Mundasi Vikram	
276	25095A0424	Shaik Maspalli Yusuf	
277	24095A0403	Varada Gowtham Kumar	

III YEAR

S.No	Regd.No	Name	Name of the Mentor
1	23091A0402	Kattubadi Afanulla	Mr.K.Anil Kumar
2	23091A0403	Shaik Mohammed Afrid	
3	23091A0404	Gandham Akanksha	
4	23091A0405	Gurrampati Akhila	
5	23091A0406	Ratala Akhila	
6	23091A0407	Setty Konappagari Akshaya	
7	23091A0408	Syed Ali Abbas	
8	23091A0409	Shaik Amaan	
9	23091A0410	Gowni Aneetha	
10	23091A0411	Madiga Anusha	
11	23091A0412	Bumishetti Aparna	
12	23091A0413	Shaik Arshad	
13	23091A0414	Gadige Ashok	
14	23091A0415	Gosula Ashok	
15	23091A0416	Peta Asif	
16	23091A0417	S Asma Thabasum	
17	23091A0418	Jamalsabgari Babapeer	
18	23091A0419	Pooli Bala Chandra Mouliswar Reddy	
19	23091A0420	Bala Balaji	

20	23091A0421	Mala Balarangadu	Mr.K.Nagendra Kumar
21	23091A0422	Dudekula Basheer Ahammad	
22	23091A0423	Pillari Bhageeratha	
23	23091A0424	Kuruba Bhanu Prakash	
24	23091A0425	Polisetty Bharath Kumar	
25	23091A0426	Kondaboina Bhargava Narasimhudu	
26	23091A0427	M L Bhavana	
27	23091A0428	Madineni Bhuvaneswari	
28	23091A0429	Kuppannagari Bindhu	
29	23091A0430	Pamisetty Brunda	
30	23091A0431	Boya Chandra Sekhar	
31	23091A0432	Dasari Chandra Sekhar	
32	23091A0433	Guduru Chandu	
33	23091A0434	Bathala Charan Teja	
34	23091A0435	Saggella Charan Teja	
35	23091A0436	Yanamala Chathurya	
36	23091A0437	Palaji Chinna	
37	23091A0438	Palle Chowdeswari	
38	23091A0439	Peddapothu Dhanush Naidu	

39	23091A0440	Thota Dhanush	Shaik Asif Basha
40	23091A0441	Vasagiri Dileep Kumar	
41	23091A0442	Venugopalanaikgari Dinesh Naik	
42	23091A0443	Mulla Shaik Fayaz Hussain	
43	23091A0444	Dudekula Gayathri	
44	23091A0445	Bhuma Geetha Reddy	
45	23091A0446	Jayaramappa Gari Gopal	
46	23091A0447	Gajjala Greeshma	
47	23091A0448	Pagidi Gururaviteja	
48	23091A0449	Boreddy Hari Kesava Reddy	
49	23091A0450	Dasari Harika	
50	23091A0451	Kaliki Hariprasad	
51	23091A0452	Golla Harish	
52	23091A0453	Gonela Haritha	
53	23091A0454	Reddy Gari Haritha	
54	23091A0455	Vallepu Harivardhan	
55	23091A0456	Pinjari Haroon Rasdi	
56	23091A0458	Duddekunta Harshitha	
57	23091A0459	Guttikavali Hasitha	

58	23091A0460	Perumalla Hemalatha	Mr.S.Abdul Rahim/ Smt.G.Bindhu Bhargavi
59	23091A0461	Pedda Pullanna Gari Hemanth	
60	23091A0462	Vaddemani Hiranya	
61	23091A0463	S. Iliyas Hussain	
62	23091A0464	Shaik Mahammad Jafar	
63	23091A0465	K.Jahnavi	
64	23091A0466	Mukkoti Jashnavi	
65	23091A0467	Godlaveeti Jaya Madhuri	
66	23091A0468	Moke Jaya Sridhar	
67	23091A0469	Kethavath Jithendra Sai Naik	
68	23091A0470	Kampamalla Jogendra Reddy	
69	23091A0471	S John Paul	
70	23091A0472	Dasamaneni Jyoshna	
71	23091A0473	Sura Jyothi Swaroopa	
72	23091A0474	Boya Kalyani	
73	23091A0475	Mulugundam Kartheek	
74	23091A0476	Chennamsetty Karthik Kumar	
75	23091A0477	Nuthanapati Karthik	
76	23091A0478	Dasangam Keerthi	

77	23091A0479	Rayapati Khaja Mastan	Mr.D.Y.S.Ponselvan
78	23091A0480	Kuruba Kiran Teja	
79	23091A0481	Mallisetty Kishore	
80	23091A0482	Malayathi Krishnakeshava	
81	23091A0483	Chinthu Krishna Priya	
82	23091A0484	Chityala Lakshmana	
83	23091A0485	Allam Lakshmi	
84	23091A0486	Narsimpalli Lakshmi	
85	23091A0487	Peetla Lakshmikanth	
86	23091A0488	Sorakayala Lalitha	
87	23091A0489	Manipati Lavanya	
88	23091A0490	Kokku Likhitha Devi	
89	23091A0491	Kommuri Lohitha	
90	23091A0492	Shaik Maheer	
91	23091A0493	Muttuluru Mahi Gowtham	
92	23091A0494	Gorthi Mahitha	
93	23091A0495	Pamakkagari Malleswari	
94	23091A0496	Vasagiri Manasa Lakshmi Devi	
95	23091A0497	Lekkala Chinaperaihgari Manasa	

96	23091A0498	Silveri Manisha	Smt.Y.Saraswathi
97	23091A0499	Kuncha Mani Vardhan Reddy	
98	23091A04A0	V Manjunath	
99	23091A04A1	Sanganaboyana Manjunatha	
100	23091A04A2	Kunche Manohar Reddy	
101	23091A04A3	Bandi. Manoj	
102	23091A04A4	Avula Manoj	
103	23091A04A5	Pikkili Meghana	
104	23091A04A6	Achukatla Mohammad Kaif	
105	23091A04A7	Dasari Mohan Krishna	
106	23091A04A8	Rampati Mohana	
107	23091A04A9	Chigicherla Mokshitha	
108	23091A04B0	Changala Mounika	
109	23091A04B1	Shaik Mubeena	
110	23091A04B2	Syed Mubeena	
111	23091A04B3	Shaik Mubina	
112	23091A04B4	Shaik Mujahid	
113	23091A04B5	Shaik Mujaytulla	
114	23091A04B6	Kovelakuntla Muskhana	

115	23091A04B7	Shaik Nadeera Firdos	Dr.M.Krishna Reddy
116	23091A04B8	Tametka Naga Akhila	
117	23091A04B9	Nichenametla Naga Sai Valli	
118	23091A04C0	Kummari Naga Sanjeeva Rayudu	
119	23091A04C1	G Naga Sruthi	
120	23091A04C2	Turukuldonga Nagapraveen	
121	23091A04C3	Akuleti Nandhini	
122	23091A04C4	Vadla Narasimha Achari	
123	23091A04C5	Badiginchula Narendra	
124	23091A04C6	Pandiparthi Naresh	
125	23091A04C7	Dudekula Naseema	
126	23091A04C8	Boya Naveen	
127	23091A04C9	Myla Navya	
128	23091A04D0	Danammagari Navya Sree	
129	23091A04D1	Dara Nikhilsai	
130	23091A04D2	Bandameeda Niranjana	
131	23091A04D3	Malabanti Niveditha	
132	23091A04D4	Suraboina Padma Swetha	
133	23091A04D5	Gudisela Pallavi	

134	23091A04D6	Kalla Parimala	Smt.B.Nazma
135	23091A04D7	Kadiyam Pavani	
136	23091A04D8	Manjula Poojitha	
137	23091A04D9	K Pradeep	
138	23091A04E1	Bellamkonda Pranav	
139	23091A04E2	Dasari. Prasad	
140	23091A04E3	Veerarajula Prasanthi	
141	23091A04E4	Koppu Prashanth	
142	23091A04E5	Perumalla Prashanthi	
143	23091A04E6	Nare Praveen Kumar	
144	23091A04E7	Bandaru Pujitha	
145	23091A04E8	Gali Pulla Reddy	
146	23091A04E9	Rayapati Purushotham Reddy	
147	23091A04F0	Sake Raghavendra	
148	23091A04F1	Pagidala Raghu	
149	23091A04F2	Kommu Rajesh	
150	23091A04F3	Lingareddy Rajeswari	
151	23091A04F4	Eddupenta Rakeshmadhava	
152	23091A04F5	Majjari Ram Prasad	

153	23091A04F6	Talari Rama Charan	Smt.B.Sowjanya
154	23091A04F7	Kuruva Ramakrishna	
155	23091A04F8	Vaka Ranga Ganesh	
156	23091A04F9	Vanipenta Ranjitha	
157	23091A04G0	Pendlimarri Ravi Kumar	
158	23091A04G1	Shaik Rijwana	
159	23091A04G2	Yama Roshini	
160	23091A04G3	Golla Sagar	
161	23091A04G4	Ammavaripeta Sai Charan	
162	23091A04G5	Muddana Laligari Sai Harshitha	
163	23091A04G6	Moramreddy Sai Kishor Reddy	
164	23091A04G7	Mitta Sai Naga Nithin	
165	23091A04G8	Bukke Sai Teja Naik	
166	23091A04G9	Madda Saichandu	
167	23091A04H0	Shaik Mahammad Saif	
168	23091A04H1	Shaik Sanavullah	
169	23091A04H2	Kuruva Sandeep Kumar	
170	23091A04H3	Bojja Sangeetha	
171	23091A04H4	Tetaneella Saraswathi	

172	23091A04H5	Mallapu Sathish	Smt.K.Mounika
173	23091A04H6	Vemi Reddy Sathish Reddy	
174	23091A04H7	Abbanna Shafi	
175	23091A04H8	Manikrindhi Shahida	
176	23091A04H9	Kattubadi Shaik Munna	
177	23091A04J0	Gaddam Shanthi Kumari	
178	23091A04J1	Guruvula Shivananda	
179	23091A04J2	Panga Siva Charan	
180	23091A04J3	Yerrapareddygari Sowmya	
181	23091A04J4	Adapala Sree Varsha	
182	23091A04J5	Kinkiri Sreedhar Reddy	
183	23091A04J6	Kotapati Sreelekha	
184	23091A04J7	Ediga Sreenath Goud	
185	23091A04J8	Kummara Sreenath	
186	23091A04J9	V H Sreenath	
187	23091A04K0	Koduru Subramanyam	
188	23091A04K1	Jennewali Sukumar	
189	23091A04K2	Vishanagiri Mangala Sumana	
190	23091A04K3	Vuluvala Sumana	

191	23091A04K4	Chakali Sumithra	Mr.S.Lakshmi Venkata Krishna
192	23091A04K5	Muchumari Sumithra	
193	23091A04K6	Kotte Sunil Kumar	
194	23091A04K7	Dasari Sunitha	
195	23091A04K8	Arigela Suraj Madhav	
196	23091A04K9	Peddamathangi Surekha	
197	23091A04M0	Sudineni Surekha	
198	23091A04M1	Gondipalli Surya Brahma	
199	23091A04M2	Madduri Surya Prakash	
200	23091A04M3	Pedda Chowdannagarisumitha	
201	23091A04M4	Ediga Syam Sundar Goud	
202	23091A04M5	Yellapu Tanmai	
203	23091A04M6	Chinnamoola Tarani	
204	23091A04M7	Sannithi Teja Krishna	
205	23091A04M8	Boga Teja Venkata Sai Kumar	
206	23091A04M9	Sontam Tejaswini	
207	23091A04N0	Cheekati Tejdeep	
208	23091A04N1	P N Teju	
209	23091A04N2	Yempalaku Thanvitha	

210	23091A04N3	Boya Tharun	Mr.C.Dasthagiraiah
211	23091A04N4	Golla Tharun Kumar	
212	23091A04N5	Balija Tharunika	
213	23091A04N6	Pathi Thejeswari	
214	23091A04N7	Naibrahmana Thrivishnu	
215	23091A04N8	Musala Trypheena	
216	23091A04N9	Konakondla Uma	
217	23091A04P0	Kolle Umamahesh	
218	23091A04P1	Janga Umesh	
219	23091A04P2	Mudimela Usha	
220	23091A04P3	Kampamalla Ediga Vamshi Krishna	
221	23091A04P4	Lingala Vamshidhar Reddy	
222	23091A04P5	Palle Vamsi Madhava Reddy	
223	23091A04P6	Uliveni Vankateswarlu	
224	23091A04P7	Vavilla Vara Prasad	
225	23091A04P8	Gujjuluvalla Varsha	
226	23091A04P9	Thadigotla Veera Kiran Reddy	
227	23091A04Q0	Saipogu Veera Sai	
228	23091A04Q1	Bestha Veeresh	

229	23091A04Q2	Uppara Veeresh Kumar	Mr.P.Ananda Rao
230	23091A04Q3	Ganne Venkat Rao	
231	23091A04Q4	Chikati Venkata Bhavitha	
232	23091A04Q5	Koramutla Venkata Pavan	
233	23091A04Q6	Chamikala Venkata Ritesh Kumar Reddy	
234	23091A04Q8	Pasam Venkata Sumanth	
235	23091A04Q9	Badibattini Vidya Sagar	
236	23091A04R1	Chakali Vijay Kumar	
237	23091A04R2	Gangula Vijaya Lakshmi	
238	23091A04R3	Yanamala Vikas Kumar Reddy	
239	23091A04R4	Andam Vinay Kumar	
240	23091A04R5	Kuruva Vinay	
241	23091A04R7	Annem Vinitha	
242	23091A04R8	Bukkarapu Vinus Hemadeepa	
243	23091A04T0	Akkampalli Vishnuvardhan	
244	23091A04T1	Pulimaddi Vyjayanthi	
245	23091A04T2	Julekal Kakanuri Yamuna Sai	
246	23091A04T3	Bijjam Yasaswani	
247	23091A04T4	Govindaraju Gari Yaswanth	
248	23091A04T5	Vadla Yaswanth	

249	23091A04T6	Segineni Yateswar	Smt.B.Indu
250	23091A04T7	Mudimala Yawanth Manikanta	
251	23091A04T8	Mutala Zaheer Basha	
252	23091A04T9	Syed.Zulfiqar Ali Khadri	
253	24095A0401	Challa Chaithanya Reddy	
254	24095A0402	Anjanamurthygari Deepthi	
255	24095A0404	H N Gowthami	
256	24095A0405	Kalle Hari	
257	24095A0406	Yeddula Karunakar	
258	24095A0407	Bonala Kavya	
259	24095A0408	Badri Lakshmi Ranga Tharak Nath Reddy	
260	24095A0409	Gangalla Vaddellagari Lakshmi Srinivasulu	
261	24095A0410	Padamati Lavanya	
262	24095A0411	Syeda Mahek Anjum	
263	24095A0412	Pichala Manohar Reddy	
264	24095A0413	Katravath Maruthi Mohan Naik	
265	24095A0414	Chakali Naga Chakridhar	
266	24095A0415	Soma Nikhil Kumar Reddy	
267	24095A0416	Rodrasu Parimala Sudha	
268	24095A0417	Sugali Poshak Naik	

269	24095A0418	Kurakula Prashanth	Smt.G.I.Lakshmi Prasanna
270	24095A0419	A.Rajiv Chowdary	
271	24095A0420	Dandu Ranjith Kumar	
272	24095A0421	Shaik Riyaz	
273	24095A0422	Lakkineni Sai Deepthi	
274	24095A0423	N Sai Hanuma Keerthi	
275	24095A0424	Chilamkuru Siva Kiran	
276	24095A0425	Pathan Sufyan Khan	
277	24095A0426	Harijana Teja	
278	24095A0427	Shaik Thaheer	
279	24095A0428	Bairukonda Vinod	
280	24095A0429	Rangasubby Yagnesh Rao	
281	22091A04E2	Busagani Prema Lakshmi	
282	22091A04M4	Paygeri Surendra	
283	22091A04P2	Pasupula Vardhan	
284	21091A04N6	Muppuri Tharun	

IV YEAR

S. No	Regd. No.	Student Name	Name of the Mentor
-------	-----------	--------------	--------------------

1	22091A0401	Pogabuddi Abdul Thouhid	Dr.A.Sathish
2	22091A0402	Syed Abed Hussain	
3	22091A0403	Bannuru Abhinay	
4	22091A0404	Danala Abhinay	
5	22091A0405	Yenuga Adicharanreddy	
6	22091A0406	Kottachennugandla Aiswarya	
7	22091A0407	Madala Ajay Kumar	
8	22091A0408	Pocha Ajith Reddy	
9	22091A0409	ltha Akhil Babu	
10	22091A0410	Gongati Akshara	
11	22091A0411	G Anil	
12	22091A0412	Shaik Anish	
13	22091A0413	Kothapalli Anusha	
14	22091A0414	Bulagonda Anusruthi	
15	22091A0415	Shaik Apsar Basha	
16	22091A0416	Shaik Arshad	
17	22091A0417	Syed Arshiya	
18	22091A0419	Sanjamala Asma	
19	22091A0420	Thallapalle Avinash	

20	22091A0421	Bandaru Bharath Kumar	Dr.P.V.Gopi Krishna Rao
21	22091A0422	Boliseti Bhargav	
22	22091A0423	Choutapalle Bhargavi	
23	22091A0424	Gangineni Bhargavi	
24	22091A0425	Kristipati Bhuvanewari	
25	22091A0426	Avula Chaitanya	
26	22091A0427	Medi Chaithanya	
27	22091A0428	Thegalapalle Chandra Sekhar Reddy	
28	22091A0429	Seela Charan Kumar	
29	22091A0430	Ontela Chennaiiah	
30	22091A0431	Negala Chennakeshava	
31	22091A0432	Battala Chinna Mashamma	
32	22091A0433	Ramavath Deepak Naik	
33	22091A0434	Kesarla Devarshini	
34	22091A0435	Kayagurala Dhana Sri	
35	22091A0436	Meesala Dharma Teja	
36	22091A0437	Banoth Dinesh Naik	
37	22091A0438	Chinnakotla Eswar Varma	
38	22091A0439	Bodduboina Eswar	

39	22091A0440	Shaik Farook Hussain	Dr.V.N.V.Satya Prakash
40	22091A0441	Kuruva Ganesh	
41	22091A0442	Naruboyana Ganesh	
42	22091A0443	Kudumula Ganga Pavan Kalyan Reddy	
43	22091A0444	Lingala Gangadevi	
44	22091A0445	Kannapu Govardhan Reddy	
45	22091A0446	Yerram Gowthami	
46	22091A0447	Guru Sreeja Gopireddy	
47	22091A0448	Shaik Hameed	
48	22091A0449	Gaddam Hanumanth Reddy	
49	22091A0450	Megavath Hareesh Naik	
50	22091A0451	Lakkamsani Ediga Hareeshwar Goud	
51	22091A0452	M Hari Krishna Reddy	
52	22091A0453	Kavali Hari	
53	22091A0454	Chaduvula Harinath Reddy	
54	22091A0455	Kavali Harini	
55	22091A0456	Bandaru Harish	
56	22091A0457	Bestha Harish	
57	22091A0458	Mekala Haritha	

58	22091A0459	Avula Harsha Vardhan	Dr.T.Suman/ Mr.N.Vinod Kumar
59	22091A0460	Valmiki Harsha Vardhan	
60	22091A0461	Vallapolla Harshavardhan	
61	22091A0462	Chinthapanti Harshitha Reddy	
62	22091A0463	Shaik Haseeb Ur Rahman	
63	22091A0464	Kommu Hema Chandrudu	
64	23095A0406	Shaik Hussain Vali	
65	23095A0409	Gurajala Kranthi Kumar	
66	23095A0412	Badri Madhu Sudhan	
67	23095A0414	Sannala Manikanteswara Reddy	
68	23095A0415	Iragamreddy Meghana	
69	23095A0425	Challa Sai Lakshmi Srinivasulu	
70	23095A0435	Guddeti Surendranatha Reddy	
71	23095A0436	Kommu Susmitha	
72	23095A0437	Rage Thraitha	
73	22091A0465	Gorige Indhu	
74	22091A0466	B Indrasena Reddy	
75	22091A0467	Madiga Isak	
76	22091A0468	Anchi Jagan Yadav	

77	22091A0469	Kanike Jayaprakash	Dr.R.Hanuma Naik
78	22091A0470	Nukanaboina Jayendra	
79	22091A0471	Melam Joel Yeswanth	
80	22091A0472	Ambati Jyoshna Reddy	
81	22091A0473	Bhavanam Jyothi	
82	22091A0474	Sandu Karthik	
83	22091A0475	Kuruba Kavitha	
84	22091A0476	Yadamala Kavitha	
85	22091A0477	Bojja Kavya	
86	22091A0478	Nandarapu Kedarnath Reddy	
87	22091A0480	Ganige Khasim	
88	22091A0481	Vunnam Kowshik Chowdary	
89	22091A0482	Kode Kranthi Kumar	
90	22091A0483	P Krishna Priya	
91	22091A0484	Thiruvaaipaati Krishnaveni	
92	22091A0485	Kuruba Kullai Swamy	
93	22091A0486	Mangali Kusuma	
94	22091A0487	Bandi Lakshmi Haritha	
95	22091A0488	Yalagani Lakshmi Prasanna	

96	22091A0489	Suravaram Lakshmi Vinitha	Dr.C.Venkataiah
97	22091A0490	Banda Lalitha	
98	22091A0491	Shaik Leenaz	
99	22091A0492	Pedaballe Lekha Reddy	
100	22091A0493	Bojja Likhitha Reddy	
101	22091A0494	Mallu Likhitha	
102	22091A0495	Vankayalapati Likith Sai Chandra	
103	22091A0496	Sonti Kuruba Lokesh Kumar	
104	22091A0497	Boya Lokeswari	
105	22091A0498	Buram Madhu Sanjay	
106	22091A0499	Andluru Madhu Sree	
107	22091A04A0	N Madhu Thimma Gurudu	
108	22091A04A1	Bestha Mahalakshmi	
109	22091A04A2	Nallabothula Mahalakshmi	
110	22091A04A3	Naik Mahammad Khizar	
111	22091A04A4	S Mahammad Sahil	
112	22091A04A5	Boya Mahesh Babu	
113	22091A04A7	Ulchala Mahesh Babu	
114	22091A04A8	Koli Mahesh	

115	22091A04A9	Kandanoori Mallikarjuna	Dr.N.Ramanjaneyulu
116	22091A04B0	Mangali Mallikarjuna	
117	22091A04B1	Daggupati Manasa	
118	22091A04B2	Boya Maneesha	
119	22091A04B3	Baliya Manjunath	
120	22091A04B4	Anchula Mary Vijaya Manvitha	
121	22091A04B5	Golla Meghana	
122	22091A04B6	Shaik Mohammad Mujahid Basha	
123	22091A04B7	Bulagonda Mythri	
124	22091A04B8	Yadiki Naga Meghana	
125	22091A04B9	Avvari Naga Sriharsha	
126	22091A04C1	Kurra Nandini	
127	22091A04C2	Mukkarla Nandu	
128	22091A04C3	Akkidi Nanigoud	
129	22091A04C4	Purra Narendra	
130	22091A04C5	Ambati Narmada	
131	22091A04C6	Nallam Naveen Sai	
132	22091A04C7	Gandluru Naveen	
133	22091A04C8	Talari Navya	

134	23095A0404	Vuruturu Gunasekhar	Dr.M.Chennakesavulu
135	23095A0405	Gutty Harika	
136	23095A0407	Bandike Jagadeesh Kumar	
137	23095A0410	Kasimalla Lakshmi Narasimhaiah	
138	23095A0413	Dudekula Mahammed Arif	
139	23095A0426	Mellamputi Sai Sushma	
140	23095A0428	Ramavath Shanmukha Naik	
141	23095A0432	Janagani Suguna	
142	23095A0440	Konda Vinayana	
143	23095A0442	Chakali Yaswanth	
144	22091A04C9	L Nithin Kumar Reddy	
145	22091A04D0	Saginala Nithin	
146	22091A04D1	Golla Nithish	
147	22091A04D2	Peeran Noor Afreen	
148	22091A04D3	Yarikala Parameswara	
149	22091A04D4	Ammati Pavani	
150	22091A04D5	Devarapalli Pavani	
151	22091A04D6	Chittari Pavitra	
152	22091A04D7	Eslavath Prabhakar Naik	

153	22091A04D9	Aripogula Prashanth Kumar	Dr.Y.Madhusudhana Reddy
154	22091A04E0	Annepureddy Pravalika	
155	22091A04E1	Konakondla Praveen Kumar	
156	22091A04E3	Pindukuri Purendra	
157	22091A04E4	Vallepolla Pushpak	
158	22091A04E5	Thegalapalle Puspalatha	
159	22091A04E6	Alluru Rahamathunnisa	
160	22091A04E7	Eddula Rajani	
161	22091A04E8	Gurrala Rajesh	
162	22091A04E9	Bathini Rakshitha	
163	22091A04F0	Gotam Rakshitha	
164	22091A04F1	Basaiah Gari Rama Krishna	
165	22091A04F2	Chagam Reddy Rama Sekhar Reddy	
166	22091A04F3	Posham Ramnath Reddy	
167	22091A04F4	S Rampuneeth Sucharith	
168	22091A04F5	Koduru Ranjith Kumar	
169	22091A04F6	Kenchugundu Ravi Prakash	
170	22091A04F7	Kuruba Raviteja	
171	22091A04F8	Bommisetty Renuka Devi	

172	22091A04F9	Nagadasari Renuka	Mr.N.Nagaraja Kumar
173	22091A04G0	Gosala Rishik Sai Ram	
174	22091A04G1	Attar Rizwan	
175	22091A04G2	Shaik Rizwana	
176	22091A04G3	Shaik Ruksana	
177	22091A04G4	T Sai Jahnavi	
178	22091A04G5	Mala Dasari Sai Karthik	
179	22091A04G6	Palem Sai Kesava Reddy	
180	22091A04G7	Kammara Sai Pallavi	
181	22091A04G8	Dabbara Sai Shivani	
182	22091A04G9	Sandya Sajeeva Rao	
183	22091A04H1	Shaik Sanaula	
184	22091A04H2	Badavandla Sasi Kumar	
185	22091A04H3	Appireddygari Sathish Reddy	
186	22091A04H4	Vitalam Sathwik Kumar Reddy	
187	22091A04H5	Palagiri Shiva Prasad Reddy	
188	22091A04H6	Bojja Shiva Sankar	
189	22091A04H7	Kalyandurg Chave Shravya	
190	22091A04H8	Eddula Shyam Kumar	

191	22091A04H9	Posa Sindhu	Dr.Sayedu Khasim Noor Basha
192	22091A04J0	Tappetla Siva Kumar	
193	22091A04J1	Boya Siva Sankar	
194	22091A04J2	Telugu Siva	
195	22091A04J3	Gurrala Sneha	
196	22091A04J4	Chankala Sravani	
197	22091A04J5	Bhumireddy Sravanth	
198	22091A04J6	Kambham Sree Taarini	
199	22091A04J7	Veldurthi Sreedhar Reddy	
200	22091A04J8	Tekuri Sreerama Nithin	
201	22091A04J9	P Sri Charan Reddy	
202	22091A04K0	Gundurao Sri Ram Naik	
203	22091A04K1	Setty Sri Vidya	
204	22091A04K2	Lingala Srikanth	
205	23095A0408	Meda Karthik Kumar	
206	23095A0416	Shaik Mohammad Arif	
207	23095A0418	Anakala Pavan Kumar	
208	23095A0420	Mangali Praveen Kumar	
209	23095A0421	Sadu Ravindra Kumar	

210	23095A0427	Datla Shalemu Raju	Dr.D.Usen
211	23095A0429	Elluru Shanmukha Sainath Gupta	
212	23095A0434	Pola Surendra Reddy	
213	23095A0438	Badineni Venkata Subbamma	
214	23095A0441	Dammala Vishnu Kumar	
215	22091A04K3	Shabolu Srilatha	
216	22091A04K4	Thummala Srinath	
217	22091A04K5	Bichani Srirekha	
218	22091A04K6	Shaik Subahan	
219	22091A04K7	Gunthanala Subhan Basha	
220	22091A04K8	Pallapu Subhash	
221	22091A04K9	Peetam Subhashini	
222	22091A04M0	Sandula Suchitra	
223	22091A04M1	Chabala Sudheer Reddy	
224	22091A04M2	Gangammagari Sumanth	
225	22091A04M3	Thodeti Surekha	
226	22091A04M4	Paygeri Surendra	
227	22091A04M5	Gangannagari Suresh	
228	22091A04M6	Banda Sushma	

229	22091A04M7	Sunkesula Sushma	Smt.G.Yashaswini
230	22091A04M8	Kandanuru Sushmitha	
231	22091A04M9	Yalamuri Suswathika	
232	22091A04N0	Avula Swathi	
233	22091A04N1	Renati Teja Venkata Subba Reddy	
234	22091A04N2	Reddi Vari Tharun Kumar Reddy	
235	22091A04N4	Karnapu Thejaswini	
236	22091A04N5	Dwaram Thirumaleswara Reddy	
237	22091A04N6	Sabbu Trisha	
238	22091A04N7	Kadapana Tulasi Nikethana	
239	22091A04N8	Kalegalla Umar Mohiddin	
240	22091A04N9	Veludurthi Umesh Chandra	
241	22091A04P0	Akula Vamsi	
242	22091A04P1	Indela Vamsi	
243	22091A04P3	Nallapothula Vasantha	
244	22091A04P4	Shaik Danugonda Vasim Akram	
245	22091A04P5	Racherla Venkata Aashritha	
246	22091A04P6	Bukkapatnam Venkata Ashok	
247	22091A04P7	K Venkata Harshavardhan Yadav	

248	22091A04P8	Chintha Venkata Narasimha Reddy	Smt.B.Bindu
249	22091A04P9	Chinthakunta Venkata Narayana Reddy	
250	22091A04Q0	Jinka Venkata Sai Charan	
251	22091A04Q1	Boya Venkata Sai Kumar	
252	22091A04Q2	Bestha Venkata Sai	
253	22091A04Q3	Telugu Venkata Vinay	
254	22091A04Q4	Sabbu Venkatalakshmi	
255	22091A04Q5	Pundikura Venkatesh	
256	22091A04Q6	Peddi Venu Gopal	
257	22091A04Q7	Kadium Vijay Prakash	
258	22091A04Q8	T M Vikaas	
259	22091A04Q9	Mekapogu Vinay	
260	22091A04R0	Dayapula Vishnu Teja Rao	
261	22091A04R1	Pillilla Vishnuvardhan	
262	22091A04R2	Kuruba Yamuna Sree	
263	22091A04R3	Gundla Yella Raju	
264	22091A04R4	Beeram Yeswanth Reddy	
265	22091A04R5	Veeram Yeswanth	
266	23095A0401	Gunda Aswartha Kedhar Ram	
267	23095A0402	Puturu Dhanush	

268	23095A0403	B Disilva	Smt.B.Likhitha
269	23095A0411	Agamam Leela Madhuri	
270	23095A0417	Katam Navaneetha	
271	23095A0419	Kempula Pavani	
272	23095A0422	Shaik Mulla Rehana Sultana	
273	23095A0423	Pulipati Sai Kalyani	
274	23095A0424	Chilamakuri Sai Kumar	
275	23095A0430	Chinnakonda Sree Lakshmi	
276	23095A0431	Polu Sudhakar	
277	23095A0433	Konda Sunayana	
278	23095A0439	Sriyyapureddy Venkata Supriya	
279	21091A0403	Bandela Anand Kumar	
280	21091A04B8	Akula Nagacharan	
281	21091A04G0	Mukthapuram Sai Teja	
282	21091A04H4	Seelam Sharoon Raj	
283	20091A04F3	Sanepalle Sai Narasimha Reddy	
284	21091A0480	Settypalle Lakshmi Narasimhulu	
285	21091A04K6	Mandula Sri Pavan	
286	21091A04S1	Badri Yogi Sashidhar Reddy	
287	21091A04D1	Chakali Phaneendra (Re-Joined	

Format of student counselling and mentoring:

RGM COLLEGE OF ENGINEERING & TECHNOLOGY:: NANDYAL

AUTONOMOUS

ELECTRONICS & COMMUNICATION ENGINEERING

STUDENT INFORMATION (24 Batch)

Passport size

Photo

Name of the student :

Father Name :

Mother Name :

Date of Birth :

Category :

E-mail :

Convener/B-Category :

Aadhaar card No :

Permanent address :

Education Qualifications:

10th Grade / Marks	Year of Pass	Inter Marks & Pass %	Year of Pass			Parent Cell No	Student Cell No

I B.Tech, I-Sem		I B.Tech, II-Sem		II B.Tech, I-Sem		II B.Tech, II-Sem		III B.Tech, I-Sem		III B.Tech, II-Sem		IV B.Tech, I-Sem		IV B.Tech, II-Sem	
Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained	Subject Name	Marks obtained

Achievements:

Gate Score	GRE	TOFEL	Papers presented	Workshops	Internship

Placement Details

Project(s) & Others

- 1.
- 2.

1. Mini Projects
2. Main Projects

STUDENT SIGNATURE

STUDENT COUNSELLING INFORMATION

Sl.No	Date	Year & Semester	Problem Discussed	Signature of the student	Signature of the Counselor/ faculty	Action Taken

STUDENT SIGNATURE



R.G.M. COLLEGE OF ENGINEERING OF TECHNOLOGY :: NANDYAL
 AUTONOMOUS
ELECTRONICS & COMMUNICATION ENGINEERING
 STUDENT INFORMATION (22 Batch)

Name of Student : BOYA MANEESHA
 Father Name : B NAGARAJU
 Mother Name : B MAHESWARI
 Date of Birth : 30-11-2003
 Category : BC-A
 E-mail : boyamaneesha792@gmail.com
 Convenor/B-Category : COMVENOR
 Aadhar Card No. : 848525279667
 Permanent Address : H. NO : 1-56,
 BUKKAPURAM - V,
 VEDURTHI - M,
 KURNOOL - DIST



22091A04B2

Education Qualification

10 th Grade / Marks	Year of Pass	Inter Marks & Pass %	Year of Pass	Parent Cell No.	Student Cell No.
902	2019	780	2021	7702795601	9121186516

I B.Tech. I Sem.		I B.Tech. II Sem.		II B.Tech. I Sem.		II B.Tech. II Sem.		III B.Tech. I Sem.		III B.Tech. II Sem.		IV B.Tech. I Sem.		IV B.Tech. II Sem.	
Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained	Subject Name	Marks Obtained
LADE	80	ACIT	89	VC&CV	78	ARMM&I	46	LDICA	45	DSP	56	DIP			
MEC	59	AP	73	EDC	68	ECAD	58	AC	82	ME&OC	77	SC			
PSP	65	DS	47	DLCD	64	EMFTL	57	AWP	82	DC	84	RS			
FEE	75	NA	72	S&S	53	VRVP	50	CSE	57	MSD	69	CN			
EE	69	ED	83	MEFA	58	PYP	61	MOOC-I	48	CO&A	67	PSETI			
DEL Lab	65	ES	59	DT	70	AARC	78	A&MSP (SDC)		DDV (SDC)	94	MW&L (SDC)			
EC Lab	66	EWITW	67	UHV		PYP Lab	61	LDICA Lab	65	DC Lab	66	MOOCs-II			
PSP Lab	67	EP Lab	63	EDC Lab	64	ARMP Lab	63	AC Lab	67	M&OC Lab	69	CV			
		DS Lab	59	EE Lab	59	ECAD Lab	68	CSP	90	DSP Lab	64	CVW			
				BS Lab	68			VI				INTERNSHIP			
Total	546	Total		Total		Total		Total		Total		Total		Total	

ACHIEVEMENTS

Gate Score	GRE	TOFEL	Papers Presented	Workshops	Internship

Placement Details

1. Design of a CMOS Based 4-bit divide using Restoring Division for low power Arithmetic Units.







Project(s) & Others

- Mini Project : Embedded System Virtual Internship
- Main Project : Design of a high-speed CMOS synchronous Binary counter with constant counting rate.

B. Maneesha
Student Signature

Passion :- I want to crack govt. Exams to be govt. employe.

STUDENT COUNSELLING INFORMATION

Sl. No	Date	Year & Semester	Problem Discussed	Signature of the student	Signature of the Counselor/ faculty	Action Taken
1	30-09-23	II-year I-sem.	NO problem	B.Mameesha		-
2	15/2/24	II-year II-sem	NO problem	B.Mameesha		-
3	9/8/24	III-year I-sem	NO problem	B.Mameesha		-
4	5/12/24	III-year II-sem	NO problem	B.Mameesha		-
5	16/2/25	IV-year I-sem	NO -problem	B.Mameesha		-
6	18/03/26	IV-year II-sem	NO problem	B.Mameesha		-

B. Mameesha
STUDENT SIGNATURE

9.3.1 Feedback on Teaching and Learning Process and Corrective Measures Taken, if any (5)

Processes followed to improve quality of Teaching & Learning

- First day of student starts with the orientation programme of welcoming by the institution and department.
- The academic calendar provides dates of commencement of the academic session, duration of semester, dates of Internals, final semester examinations etc.
- The Lesson plan is prepared by the individual faculty member under the guidance and resolutions of faculty members who taught earlier for the respective courses.
- Course file includes lesson plans, teaching aids such as subject notes, presentation files and their respective COs and POs.
- Adequate equipment in laboratories will support the students to enrich in more practical environment in duration of their graduation, usage of equipment is recorded in log registers.
- Seminars, Library and Student Counseling hours are incorporated in the time table in order to improve the student's presenting skills, improving of knowledge by spending time in Library and to discuss the issues personally.
- Department has made parents of students as the stake holders by sending SMS about the absence of the individual student daily and monthly basis in the form of report. Student assessment in internals and end exams are also informed to parents.
- Student mentors are allotted for a group of 5-10 students so that keen observation can be maintained.
- Outstanding students who secured 90% and above marks are rewarded with tuition fee and hostel fee.
- Remedial classes are arranged for the academically weak students beyond the working hours.
- Student feedback is considered in every semester after commencement of class work and the resolutions are incorporated.
- Evaluation of Assignments is made part of awarding the internal marks. Seminars, conferences, workshops, visiting faculty lectures etc. are arranged in regular intervals by various academicians and subject experts.
- Furthermore, individual teachers are given freedom to conduct assessment tests.
- Project Expo is organized in the campus, which demonstrates all the project models of the students.
- Fare well function will end up the graduation by exchanging the ideas and feedback of the final years with juniors.
- Alumni details and regular interaction is maintained in the department office so as to arrange alumni meet further.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

____ B.Tech, ____-Sem (____-Section) Batch-20 ____

Faculty Evaluation by Students (FES) (Date: _____)

All the students are instructed to fill the given particulars with suitable grades without fear or favour which will help administration to assess the faculty accurately.

(A-Excellent B-Very Good C- Good, D-Satisfactory, E-Not Satisfactory)

Name of the Faculty	Subject Taught	Preparation	Knowledge in Subject	Skill in Teaching	Regularity and Observation of Timings	Uniform Coverage of Syllabus	Internal test Paper and Evaluation	Maintenance of Discipline	Accessibility to students	Overall Assessment

9.3.2 Feedback on Academic Facilities (5)

Institute Marks : 5.00

Feedback on Teaching and Learning Process and Corrective Measures Taken:**Methodology Adopted**

- Feedback was collected from students at the end of each semester using Google Forms.
- The questionnaire was structured with both quantitative (Likert scale) and qualitative (open-ended) questions.
- Parameters aligned with NAAC/NBA quality indicators.
- Responses were automatically compiled and analyzed using Google Sheets.
- Department-level review meetings were conducted to discuss findings.

Parameters of Feedback Collection

- Clarity and effectiveness of teaching methods
- Ability to explain complex concepts in a simple manner
- Use of relevant examples and case studies
- Encouragement of student participation and engagement
- Availability and approachability for doubts and queries
- Quality of course materials and resources provided
- Relevance of course content to industry needs and trends
- Fairness and transparency in assessments and evaluations
- Ability to create a conducive learning environment
- Overall satisfaction with the teaching style and approach

Key Observations from Feedback

- Majority of students were satisfied with subject delivery and syllabus coverage.
- Some students reported internet connectivity issues.
- A few students suggested more interactive sessions and practical demonstrations.
- Request for recorded lectures for revision purposes.
- Need for timely feedback on assignments in some courses.

Corrective Measures Taken

Based on the feedback analysis, the following corrective actions were implemented:

1. Improvement in Teaching Methods

- Increased use of **interactive tools** (polls, quizzes, breakout rooms).
- Inclusion of **real-life examples and case studies**.
- More problem-solving and discussion-based sessions.

2. Technical Enhancements

- Ensured **recorded lectures** were shared after every class.

- Faculty advised to use better audio equipment and stable internet connections.
- Study materials uploaded in advance on Google Classroom/LMS.

3. Student Support

- Weekly doubt-clearing sessions arranged.
- One-to-one mentoring provided for slow learners.
- Flexible submission deadlines in case of connectivity issues.

4. Assessment Improvements

- Clear rubrics shared for assignments and projects.
- Timely evaluation and constructive feedback provided.
- Online quizzes conducted regularly to monitor learning progress.

5. Continuous Monitoring

- Mid-semester and end-semester feedback collected regularly.
- Department meetings conducted to review feedback reports.
- Action Taken Report (ATR) prepared and documented.

Conclusion

The structured feedback mechanism through Google Forms has significantly contributed to maintaining and enhancing the quality of the online teaching–learning process. Continuous monitoring and implementation of corrective measures demonstrate the institution’s commitment to quality assurance and academic excellence

9.4 Training and Placement Support (10)

Total Marks 10.00

Career Guidance and effectiveness of career guidance

- Effective career guidance services including counseling for higher studies
- Training and placement facility with Training and Placement Officer (TPO), industry interaction for training/internship/placement

Effective career guidance services including counseling for higher studies:

- An important part of the mission of the Institute is to improve the quality of the graduate student experience. To that effect, we spend a considerable amount of time talking with students about their goals, concerns, and suggestions for improving their experience.
- The Institute is working towards enhancing the institutional culture to better serve the needs of an ever-changing and dynamic learning community. RGM CET offers career guidance on all aspects of career planning, job searching, and post-graduate studies.
- We provide individual counseling through scheduled appointments. In career services, we work with students and alumni/alumnae toward the following goals:

Broad exploration of various career options:

- Pursuing post graduate studies
- Finding work that is consonant with one's values, such as long-term economic stability, intellectual challenge, professional prestige, working toward a sustainable environment, and/or balancing family and work.

These goals are achieved through following:

- We maintain substantial databases of jobs, part-time and full-time post-graduate programmers, and help students prepare for their job search through assistance with resumes and interviewing practice.
- We assist students with the application process to post-graduate and professional schools, including advising on optimal application strategies, reviewing personal statements.
- The institute library is resourced with up-to-date resources on career fields, post-graduate programs and information on potential employers.
- We bring alumni/alumnae to campus to participate in seminars on career fields and post-graduate study, and we also manage a network of alumni career advisors who have agreed to talk to our students.
- We run on-campus recruiting program through which employers come to represent their organizations to our students, as well as interview them for permanent positions.
- Employers often visit our campus to speak with students in small groups. Sometimes the sessions are planned for students participating in on-campus recruiting programs.
- We encourage students to try new techniques and expand their skills.
- We let students know that mistakes lead to better learning. Share a less-than-successful experience of your own and what it taught you.
- We encourage students to appear for GATE and other such examinations and provide special guidance.
- We reassure students of their skills and abilities to succeed.
- We teach students how to break large scholarly tasks into smaller, more manageable ones to avoid becoming overwhelmed.

Training and placement facility with Training-n-Placement Officer (TPO), industry interaction for training/internship/placement:

The Institute has established a Training and Placement Cell headed by Training and Placement Officer of Assistant Professor Grade. The activities of the Cell Includes:

- Strengthen Industry-Institute Interaction.
- To prepare a comprehensive list of industries.
- To visit industries frequently to explore possibilities of students recruitment through campus interviews
- To have MOUs with different industries.

- To prepare list of students along with bio-data eligible for various interviews.
- To conduct programs for students in areas like personality development, communication skills with help of HRD Committee.

List of Training Activities (Academic Year Wise)

2023-24

S.No	Name of the Training Program	Year & Semester	Branches	Dates Of Training	Training Company
1	Dream 125 JAVA Full stack Developer- Phase 1	III-II B.Tech	All Branches 125 Students	24.04.2023 to 10.08.2023	BYTS, Coimbatore
2	Wipro Talent NXT Phase-2 Training Program	IV-I B.Tech- 2024 passing out students	Wipro Talent NXT Batch-1 students	14.09.2023 to 17.09.2023	Mr Sairam, Sr Manager, Capgemini
3	Wipro Talent NXT Phase-2 Training Program	IV-I B.Tech- 2024 passing out students	Wipro Talent NXT Batch-2 students	26.09.2023 to 01.10.2023	Mr Sairam, Sr Manager, Capgemini
4	Foreign Language A2 Level Training- Phase1	III-I B.Tech 2025 passing out students	CSE DS, BS, Civil, ECE	04.09.2023 to 09.09.2023	Elite Foreign language training program
5	Advanced C and DS Training Program	II-I B.Tech 2026 Passing out students	ECE,EEE, ME and Civil –	06.10.2023 to 27.11.2023 3 Hrs/Day	BYTS, Coimbatore
6	Aptitude Training Program	III-II B.Tech 2025 Passing out students	ECE(A,B),Civil, ME, CSE DS, CSE BS, II MBA, II MCA	05.02.2024 to 16.02.2024	Talent Shine, Vizag
7	Aptitude Training Program	III-II B.Tech 2025 Passing out students	ECE(C,D), EEE, CSE	19.02.2024 to 02.03.2024	Talent Shine, Vizag
8	Foreign Language	II-II B.Tech 2026	CSE DS, AIML, CS, ECE	18.03.2024 to 28.03.2024	Elite Foreign language

2024-25

S.No	Name of the Training Program	Year & Semester	Branches	Dates of Training	Training Company
1	Game Changer 2	IV B.Tech I Semester	ECE A,B	24.07.2024	TOP Freshers, Chennai
2	C++ and Data Structures	III B.Tech I Semester	ECE A,B,C,D	29.07.2024 to 07.08.2024	Byts, Coimbatore

3	Accenture Training Program	IV B.Tech I Semester	CSE A,B,ECE A,B ,CSE DS,BS	03.09.2024 to 14.09.2024	TOP Freshers, Chennai
4	Basics of C Programming	II B.Tech II Semester	ECE,EEE,ME and Civil	20.01.2025 to 30.01.2025	Byts Coimbatore

2025-26

S.No	Name of the Training Program	Year & Semester	Branches	Dates of Training	Training Company
1	Advance C and DS	III-I B.Tech-2027 passingouts	All Branches	08.07.2025 to 28.07.2025	BYTS, Coimbatore
2	CRT Training Program	IV-I B.Tech,II MBA,IIMCA	All Branches	04.08.2025 to 24.08.2025	Talent Shine,Vizag
3	LeetCode-2 Training Program	II-I B.Tech 2028 Passingouts	All Branches	08.09.2025 to 27.09.2025	BYTS, Coimbatore
4	Infosys Specific Training program	IV B.Tech 2026	All Branches(Gilrs)	24.10.2025 to 02.11.2025	Talent Shine,Vizag
5	Leet Code-1 Training Program	I B.Tech 2029 passingouts	ECE,EEE,ME,CIVIL & AIML	15.11.2025 to 24.11.2025	Byts, Coimbatore

9.5 Start-up and Entrepreneurship Activities (5)

Total Marks 5.00

Entrepreneurship Development Cell**Objectives of the cell:**

- To create an entrepreneurship culture in the parent institution by conducting Entrepreneurship Development Programs, Entrepreneurship Awareness Camps and Entrepreneurship Motivation Camps.
- To conduct courses in Entrepreneurship for Science & Technology students and organizing skill development training programs for unemployed youth. To create and develop knowledgeable, enterprising and effective entrepreneurs.
- To create technology awareness and promote technology based enterprises in existing Small & Medium Enterprises (SMEs) of the region. To conduct market research for identifying Entrepreneurial Opportunities.
- To encourage students to consider self-employment as a career option and provide training in entrepreneurship

Activities of the cell:

- To motivate students to undergo Entrepreneurship Development Program (EDP), skill development training and enhance self-employment opportunities. To reach Science & Technology to the participants and motivate them to take up entrepreneurial ventures.
- To organize seminars/ guest lecturers / workshops/ industrial visits.

The following events are conducted under entrepreneurship cell:

- Entrepreneurship and Skill Development Workshops in Association with Ratan Tata Innovation Hub.
- Entrepreneurship Awareness Camps
- E-Summit
- RGM Expo.
- Hand-Craft Expo
- Experts talk
- Seminars
- Mentoring Sessions

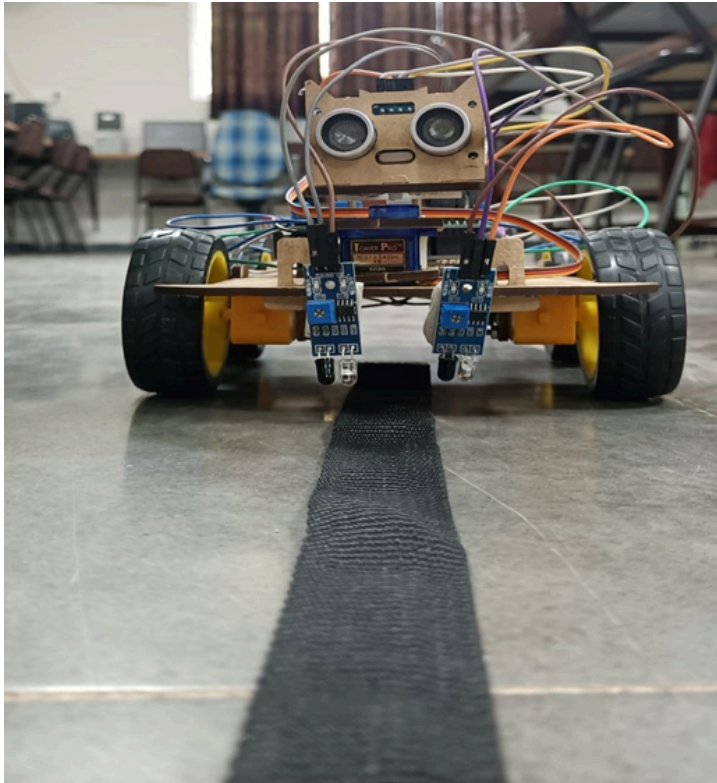
We are fostering the next generation of tech innovators by conducting specialized start up workshops and boot camps, guiding engineering students from ideation to prototype development.

Our comprehensive start up programs provides students with mentorship from industry experts, pitch training, and networking opportunities to transform their engineering projects into market-ready businesses.

With a focus on innovation-driven entrepreneurship, these campus sessions help students identify real-world problems and develop scalable technical solutions.







An idea of preparing biscuits using banana stem juice was given by ECE student. Her first experimental validation started at a banana plantation in Panyam.

Her team used our RGM CET bakery to turn their idea into food product. On 21-07-2025 . They finished their working prototype and shown all our work to the CEO of AIC-SKU. Product name: stem crunch cookies





9.6 Governance and Transparency (25)

Total Marks 25.00

9.6.1 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (10)

Institute Marks : 10.00

Institution has strategic plan for the period of 2010-2020. The strategic objectives and Strategic goal of the Institution are as follows.

STRATEGIC OBJECTIVES

- **Education**

Develop, in cooperation with our stakeholders (e.g. reputed colleges, institutes, campuses and alumni) residence and distance Undergraduate and Postgraduate curricula, and research management platforms that respond to current and emerging global needs of society, including industry, government, and academe; and enhance the learning experience through deep and broadcurricula that include service learning, increasing diversity and improving student satisfaction.

- **Research**

Perform contextual collaborative research that leads to the enhancement of the quality of life and develop basic knowledge and enabling technologies that contribute to economic development, and addresses the most pressing regional, national, and global challenges.

- **Service**

Contribute to and provide leadership in professional organizations to consolidate the recognition of engineers and scientists as stewards of economic prosperity, innovation and social responsibility, and support service activities of importance to the Rayalaseema region, state, Nation and Global at large.

Institutional Governance

Create structures and procedures that balance due process with agility. Develop shared governance; transparent and inclusive operations; and business flexibility and efficiency. Institutionalize fiscal responsibility, conscious community-building, increased diversity, concerted workforce development, and enhanced institutional investment. Accentuate response to ever-changing regional, national and international operational conditions.

STRATEGIC GOALS

- ***In Education***

1. Enhance the RGM deep, fundamental undergraduate educational experience with leadership and entrepreneurial training; global awareness; cultural sensitivity; presentation and communication skills; intense project- based and service learning; and more value added courses.
2. Initiate residence and online Inter-Department and Inter-College undergraduate majors and minors focused on interdisciplinary topics, institutional priorities, and societal challenges.
3. Offer and continuously expand 4-year undergraduate, 2-year Master of Engineering degrees in all sub-disciplines of engineering, Master of Business Administration and Master of Computer Applications, a number of cross-disciplinary topics based on societal challenges and the priorities of RGM.
4. Strengthen and expand Ph.D. programs through emphasis on recruiting top external students and RGM post graduates, provide training in teaching and research management methodologies.
5. Identify and address issues affecting the environment in which are students work and live, to increase retention, diversity, and student satisfaction.
6. Expand the reach of RGM brand all over India and abroad.

In Research

1. Develop innovative, interdisciplinary research groups working on college- wide topics at the intersection of societal challenges, faculty interest, and research infrastructure to increase externally funded center-type projects.
2. Enhance research collaborations with reputed institutes, colleges, laboratories, campuses, and alumni to probe new fundamental, applied, and interdisciplinary research topics.
3. Increase college-wide research collaborations with universities, industry, and global partners through appropriate MOUs.
4. Enhance the quality of key laboratories and infrastructure that support priority research thrusts.

In Service

1. Increase faculty contribution to and influence in national and international technical and policy-making committees.
2. Raise the profile of and facilitate engaged service on college and campus committees as well as in support of the Region, State, National and international committees.

In Governance

1. Enhance business operations, fiscal management, and access to and clarity of undertaking administrative and academic tasks by faculty and staff.

2. Constitute and empower all committees and sub-units with the College priorities and create mechanisms to implement their recommendations.
3. Recast the financial system to directly support the fundamental functions of education, research, and service and enhance the effectiveness of building and using financial resources.
4. Strengthen institutional affiliation and effectiveness by providing clear career progression models, advanced training opportunities, leadership development, and articulate the alignment of institutional and individual aspirations.
5. Establish human resource management unit overseeing functions such as faculty profile enhancement in terms of research grants and their recognition at national and international levels.

In tune with the strategic objectives and goals as approved by Governing body a standing committee has been formed to monitor the effective implementation of strategic plan and update its current status. The standing committee has made the following observations.

Education:

1. Curriculum, Structure and Evaluation procedures have been periodically revised.
2. All the stake holders' views were taken into account while making the changes in regulation.
3. New form of assessment procedure has been adopted to improve the quality of the students.
4. College with Potential for Excellence (CPE) status has been conferred by UGC. This is a step in the right direction towards achieving element of the strategic plan.

Research:

1. Good encouragement is provided to faculty to pursue higher studies and incentives to publish in archival journals.
2. In addition the seeding of research centers to foster inter discrepancy research activities is encouraged.
3. Further focused research groups are encouraged to seek external funding from both Governmental and Non- Governmental sources.

The above actions are indicative of the college taking the right steps towards implementing its strategic plan.

Service:

1. The NSS units have adopted a nearby village in order to provide solar lighting and clean toilets under the Prime Minister's Swachha Bharat scheme.
2. Health complains is conducted on a periodic basis to the community at large to enhance their wellness.
3. Siemens Skill development center and the award of DeenDayalUpadhyay KAUSHAL Centre by UGC for skill development are definitive indicators for the college towards achieving the goals of its strategic plan.

In Governance:

1. Transparent governance is achieved through computerization of all records and automation through online transaction mechanisms.

The governance at RGM CET is decentralized with clearly chartered limits on roles and responsibilities for both academic and financial actions

9.6.2 Governing Body, Administrative Setup, Functions of Various Bodies, Service Rules, Recruitment procedures and Promotion Policies (10)

Institute Marks : 10.00

Governing body, administrative setup and functions of various bodies

As per the instructions of AICTE / UGC /JNTU and for administrative Convenience a no. of committees have been constituted to look into various aspects of the college administration, development and student & staff affairs. The list of such committees is mentioned here under

S.No	Name of the Body / Committee	Frequency of meetings
1	Governing Body	Twice in a year
2	College Academic Council	Once/ Twice in a year
3	Boards of Studies	Once in a year
4	Standing Committee	Once in a year & as and when required
5	Planning and Evaluation Committee	Once a year
6	Finance Committee	Twice in a year
7	Internal Quality Assurance Committee (IQAC) 2021-23	As and when required
8	Admission Committee	Once in a year & as and when required
9	Examination Committee/Results Committee	As and when required
10	Anti-Ragging Committee	Once in a year & as and when required
11	Academic Audit Committee	Twice in a year & as and when required
12	Grievance Committee	As and when required
13	Students Grievance Redressal Committee (SGRC)	As and when required
14	Purchase Committee	As and when required
15	Central Purchase Committee	Once in a Semester
16	Library Committee	Twice in a year & as and when required
17	Building and Works Committee	Once in a year & as and when required
18	Institutional Development Committee	Once in a year & as and when required
119	Disciplinary Committee	As and when required
20	Students Affairs Committee	Once in a year & as and when required
21	Anti-Sexual Harassment Committee	As and when required
22	Malpractice Prevention Committee	As and when required
23	Maintenance of Campus Committee	As and when required
24	Maintenance of Labs & Equipment Committee	As and when required
25	Maintenance of Play Fields Committee	As and when required
26	Training and Placement Committee	As and when required
27	Entrepreneurship Committee	Once in a year
28	Transportation Committee	Once in a Year
29	Extra-Curricular Activity Committee	Once in a Year
30	Institution Industry Cell	Once in a Year
31	SC/ST Atrocity Committee	As and when required

32	Women Empowerment Committee	Once in a Year
33	Institution Innovation Council (IIC)	Once in a Year
34	Research and Development Committee (R&D)	Once in a Year
35	NAAC Committee	Once in a Year
36	Internships Committee	Once in a Year
37	Administration Committee	Once in a Year

1) Governing Body

Governing body is constituted as per the guidelines as prescribed by AICTE / University/ UGC

List of Governing Body:

S.No.	Name	Category	Designation
1	Dr. M. Santhiramudu	Management	Chairman
2	Dr. M. Madhavi Latha	Management	Member
3	Er. M. Siva Ram	Management	Member
4	Er. M. Raghu Ram	Management	Member
5	Smt. M. Ramanamma	Management	Member
6	Prof. H. Sudarsana Rao, Prof. of Civil. Engg. & Vice-Chancellor, JNT University Anantapur, Ananthapuramu	University Nominee	Member
7	Prof. P.R. Bhanu Murthy, Dept. of Civil Engg. JNT University Anantapur, Ananthapuramu	State Govt. Nominee	Member
8	Dr. K. Lakshmi Narayana, IAS	Management Nominee	Member
9	Mr. R. Jitender Singh	Industrialist	Member
10	Dr. M.V. Subramanyam	Educationalist	Member
11	Dr. D. V Ashok Kumar	Director Administration	Member
12	Dr. K. Thirupathi Reddy	Teacher of the College	Member
13	Dr. K. Subba Reddy	Teacher of the College	Member
14	Dr. T. Jaya Chandra Prasad	Principal of the College	Member Secretary

Functions of Governing Body:

- To make policy decisions
- To approve the Budget
- To approve the appointments made
- To approve the audited account statements
- To approve the recommendations of Academic Council
- To approve the purchases of equipment and other infrastructure facilities.
- To approve the proposals of Institution for introduction of new courses / variation / increase in intake of existing programmes
- Copies of the proceedings of the last two meetings of Governing Body and Action taken reports are enclosed.

The no. of Governing Body Meetings held after obtaining Autonomous Status in the year 2010

S.No	Date	Meeting
1	11-12-2010	I Autonomous Governing Body
2	11-06-2011	II Autonomous Governing Body
3	24-12-2011	III Autonomous Governing Body
4	24-06-2012	IV Autonomous Governing Body
5	30-12-2012	V Autonomous Governing Body
6	10-08-2013	VI Autonomous Governing Body
7	22-02-2014	VII Autonomous Governing Body
8	13-09-2014	VIII Autonomous Governing Body
9	24-01-2015	IX Autonomous Governing Body
10	22-06-2015	X Autonomous Governing Body
11	10-01-2016	XI Autonomous Governing Body
12	06.09.2016	XII Autonomous Governing Body
13	04.03.2017	XIII Autonomous Governing Body
14	05.08.2017	XIV Autonomous Governing Body
15	20.01.2018	XV Autonomous Governing Body
16	30.06.2018	XVI Autonomous Governing Body
17	25.01.2019	XVII Autonomous Governing Body
18	10.08.2019	XVIII Autonomous Governing Body
19	07.09.2020	XIX Autonomous Governing Body
20	17.10.2020	XX Autonomous Governing Body
21	06.02.2021	XXI Autonomous Governing Body
22	04.10.2021	XXII Autonomous Governing Body
23	28.03.2022	XXIII Autonomous Governing Body
24	10.09.2022	XXIV Autonomous Governing Body
25	07.01.2023	XXV Autonomous Governing Body
26	22.07.2023	XXVI Autonomous Governing Body
27	20-01-2024	XXVII Governing Body Meeting (Hybrid Mode)
28	23-08-2024	XXVIII Governing Body Meeting (Hybrid Mode)
29	30-01-2025	XXIX Governing Body Meeting
30	31-07-2025	XXX Governing Body Meeting
31	24-01-2026	XXXI Governing Body Meeting

2) College Academic Council:

The Academic Council is the highest body to decide on the Academic matters of the College. It is constituted as per the guidelines of UGC/University. The Academic Council shall consist of the following persons, namely:

- Principal Chairman

- Heads of the Departments
- Four Teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college
- Not less than 4 experts from outside of the college representing such areas as Industry, Commerce, Law, Education, Medicine, engineering etc., to be nominated by the Governing Body.
- Three nominees of the University
- A faculty member nominated by the principal – Member Secretary

The list of the members of present academic council

S. No.	Name	Designation	Category	Contact Number	Email id
1	Dr. T. Jayachandra Prasad	Chairman	Principal of the College	9440290470	jptalari@gmail.com
2	Prof. P.R. Bhanu Murthy	Member	Nominee of the University	9246579066	prbhanumurthy.civil@jntua.ac.in
3	Prof. V.B. Chitra	Member	Nominee of the University	9441215579	chitra.hss@jntua.ac.in
4	Prof. A. Suresh Babu	Member	Nominee of the University	9440388093	sureshalladi.cse@jntua.ac.in
5	Dr. D.V. Ashok Kumar	Member	Teacher of the College	9866308477	rgmdad09@gmail.com
6	Mr. G.V.N. Prasad	Member	Nominee of the Governing Body	9398934208	gvnprasad99@gmail.com
7	Dr. D. V. Giddaiah	Member	Nominee of the Governing Body	9440292742	drdyg22@gmail.com
8	Mr. T. Raghu	Member	Nominee of the Governing Body	900022211	raghut9@gmail.com
9	Mr. K. Sunil Kumar	Member	Nominee of the Governing Body	9731883403	kskumarhai@gmail.com
10	Dr. D.Satyanarayana	Member	Controller of Examination	9440235267	dsn2003@rediffmail.com
11	Dr. G. Sreenivasulu	Member	Head of the Dept. (Civil)	9502031222	gsrimsuvi@gmail.com
12	Dr. V. Naga Bhaskar Reddy	Member	Head of the Dept. (EEE)	9959022458	vnbr_ndl@yahoo.co.in
13	Dr. K. Thirupathi Reddy	Member	Head of the Dept. (ME)	9441310586	kotatreddy@gmail.com
14	Dr. J. Sofia Priya Dharshini	Member	Head of the Dept. (ECE)	8790050087	jspd1810@gmail.com
15	Dr. K. Subba Reddy	Member	Head of the Dept. (CSE)	9440087544	mrsubbareddy@yahoo.com
16	Dr. B. Bhaskara Rao	Member	Head of the Dept. (CSE(DS))	9849348501	bhaskararaobrd@gmail.com
17	Dr. G. Kishor Kumar	Member	Head of the Dept. (CSE(AIML))	8897272089	kishorgulla@yahoo.co.in (mailto:kishorgulla@yahoo.co.in)
18	Dr. R. Kaviarasan	Member	Head of the Dept. (CSE(CS))	9787890752	kaviarasanit@gmail.com
19	Dr. S. Sowjanya	Member	Head of the Dept. (MBA)	9490516667	sowjanya.rgm@gmail.com
20	Dr.K.V.Suryanarayna Rao	Member	Head of the Dept. (Mathematics)	9441533160	suryam1968@gmail.com
21	Dr. N. Ravi	Member	Head of the Dept.(Physics)	9440553680	ravi2728@gmail.com (mailto:ravi2728@gmail.com)
22	Dr. A. Bala Krishna	Member	Head of the Dept. (Chemistry)	9849491775	abkrishnargm2017@gmail.com

S. No.	Name	Designation	Category	Contact Number	Email id
23	Dr. P. Kousar Basha	Member	Head of the Dept. (English)	9949378129	kousarrgm@gmail.com
24	Dr. M. Sudheer Kumar	Member	Training & Placement Officer	9849409495	mba.sudheer@gmail.com
25	Dr. P. Sudarsana Reddy	Member	First Year Coordinator	9440862072	suda1983@gmail.com
26	Dr. Syed Altaf Hussain	Member	Teacher of the College	9494738100	rgmaltaf1@gmail.com
27	Dr. D. Lenine	Member	Teacher of the College	9966723784	lenine_2004@yahoo.com
28	Dr. B. Naga Kiran	Member	Teacher of the College	9000563975	2035kiran@gmail.com
29	Dr. P.V. Gopikrishna Rao	Member	Member Secretary	9440277731	gopikrishnarao@gmail.com

Dates of Academic Council Meetings

S.No	Date	Meeting
1	11-12-2010	I Academic Council Meeting
2	11-06-2011	II Academic Council Meeting
3	18-12-2011	III Academic Council Meeting
4	03-11-2012	IV Academic Council Meeting
5	14-6-2013	V Academic Council Meeting
6	18-02-2014	VI Academic Council Meeting
7	28-08-2014	VII Academic Council Meeting
8	22-06-2015	VIII Academic Council Meeting
9	08-01-2016	IX Academic Council Meeting
10	12.08.2016	X Academic Council Meeting
11	03.08.2017	XI Academic Council Meeting
12	31.07.2018	XII Academic Council Meeting
13	157.07.2019	XIII Academic Council Meeting
14	28.08.2020	XIV Academic Council Meeting
15	11.01.2021	XV Academic Council Meeting
19	25.09.2021	XVI Academic Council Meeting
17	26.03.2022	XVII Academic Council Meeting
18	06.09.2022	XVIII Academic Council Meeting
19	04.01.2023	XIX Academic Council Meeting
20	19.07.2023	XX Academic Council Meeting
21	27-10-2023	XXI Academic Council Meeting (Hybrid Mode)
22	19-01-2024	XXII Academic Council Meeting (Hybrid Mode)
23	03-08-2024	XXIII Academic Council Meeting (Hybrid Mode)
24	12-02-2025	XXIV Academic Council Meeting (Hybrid Mode)

25	28-07-2025	XXV Academic Council Meeting (Hybrid Mode)
26	03-12-2025	XXVI Academic Council Meeting (Hybrid Mode)
27	21-01-2026	XXVII Academic Council Meeting (Online Mode)

3) Board of Studies

Various Boards of Studies (UG and PG), which consists of the Chairman, University nominees, Department Members, Subject Experts (External), Members from Industry/ Corporate sector and Post Graduate Meritorious Alumnus from 2015 onwards

The University Nominees for the various Boards of Studies (UG and PG) 2021 onwards

S.No	Department	Name of the Member	Designation	Address
1	Civil Engineering	Dr. A.Murali Krishna	Professor	Dept. of Civil Engineering, IIT, Tirupati
2	Electrical and Electronics Engineering	Dr.M.P.Selvan	Associate Professor	Dept. of EEE, NIT, Trichy
3	Mechanical Engineering	Dr. G. Jaya Chandra Reddy	Principal	YVUCE, Proddatur
4	Electronics and Communications Engineering	Dr. P. Palani Swamy	Associate Professor	Dept. of ECE NIT, Trichy
5	Computer Science Engineering	Prof.B. Eswara Reddy	Professor	Dept. of CSE JNT University Anapatur, Ananthapuramu
6	Computer Science and Engineering (Data Science) and Computer Science and Engineering (AIML)	Dr. N. Srinath	Professor	Dept of CSE Pandichery Engineering College, Pandichery
7	Computer Science and Engineering and Business Systems and Computer Science and Engineering (CS)			
8	Management Studies	Dr. Chetan Srivastav	Professor	Department of MBA, University of Hyderabad, Hyderabad
9	Mathematics	Prof.G. Sankar Sekhar Raju	Principal	JNTUACE, Pulivendula
10	Physics	Dr. K. Thyagarajan	Professor & Head	Dept. of Physics JNTUCEP, Pulivendula
11	Chemistry	Dr. K. Laxma Reddy Professor	Professor	Dept. of Chemistry , NIT, Warangal
12	English	Dr. Gulam Tariq Hussain	Professor	Dept. of English, Yogi Vemana University, Proddatur

Board of Studies Members Various Departments

SNo	Department	Name of the member, Type of Membership, Designation, Address
-----	------------	--

1.	Civil	<p>Chairman: Dr. G. Sreenivasulu, Professor & HOD</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Mr. C. Krishnama Raju, Assoc. Prof., 2. Dr. B. Naga Kiran, Assoc. Prof., 3. Dr. M. Sunandana Reddy, Assoc. Prof., 4. Dr. C. Rajaram, Asst. Prof. <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Dr. D. Ramaseshu, Professor, NIT, Warangal 2. Prof. Vasana Arunachalam, Professor, BITS, Hyderabad <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Dr.P.Subramanya Prasad, Principal Scientist, CSIR-CRRI, New Delhi <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Sri.V.A. Chaitanya, Former Student, Primerail Infralabs Ltd, Bangalore
2.	EEE	<p>Chairman: Dr.V.Naga Bhaskar Reddy, Professor & HOD</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. D.V. Ashok Kumar, Prof. & Dean Admin & Director Placements, 2. Dr. B. Rami Reddy, Prof. & Dean Students' Affairs, 3. Dr. D. Lenine, Prof., 4. Dr. B.M. Manjunatha, Assoc. Prof. <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Dr. M. Sudhakaran, Professor, Pondicherry Engineering College, Pondicherry, 2. Dr. Anup Kumar Panda, Professor, NIT, Rourkela <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Mr. S. Mohammed Haneef, Lead Engineer, GE, Bangalore <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Dr. N. Venkata Ramana Naik, Asst. Prof., NIT, Rourkela

3.	Mech.	<p>Chairman: Dr.K.Thirupathi Reddy, Prof. & HOD</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. Syed Althaf Hussain, Prof., 2. Dr. V. Siva Reddy, Prof., 3. Dr. V. Chandra Sekhar, Prof., 4. Dr. B. Sidda Reddy, Prof., <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Dr. G. Amba Prasad Rao, Prof., NIT, Warangal 2. Dr. K. Venkata Subbaiah, Professor, A.U College of Engg, Visakhapatnam <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Mr. P. Mallethu Reddy, Scientist Grade-F, Aeronautical Development Agency, Bangalore <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Mr. K. Nageswara Reddy, Research Scholar
4.	ECE	<p>Chairman: Dr. J. Sofia Priya Dharshini, Professor, Head of the Department</p> <p>Department members:</p> <ol style="list-style-type: none"> 1. Dr. T. Jayachandra Prasad, Professor & Principal, RGM CET, Nandyal 2. Dr. D. Satyanarayana, Professor, RGM CET, Nandyal 3. Dr. M. Chennakesavulu, Associate Professor, RGM CET, Nandyal 4. Dr. Y. Madhu Sudhana Reddy, Associate Professor, RGM CET, Nandyal. <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr. G. R. Reddy, Senior Professor, DSP Division, SENSE, VIT University, Vellore 2. Dr. B. Kanmani, Professor, Department of E&T, BMSCE, VTU, Bangalore <p>University Nominee:</p> <ol style="list-style-type: none"> 1. Dr. D. Vishnu Vardhan, Professor, Department of ECE, JNTUA College of Engineering, Anantapuramu. <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Sri. Y. Siva Sekhar, Principal Engineer, Ampere Computing, Bangalore <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Sri. K. Vasudeva Reddy, Staff Engineer, Global Foundaries, Bangalore

5.	CSE	<p>Chairman: Dr. K. Subba Reddy, Prof. & HOD</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. B.B. Prahlada Rao, Prof.& Dean CSE, 2. Dr. K. Rajendra Prasad, Prof., 3. Dr. N. Madhusudhana Reddy, Asst. Prof., 4. Mr.V.V.Nagendra Kumar, Asst. Prof. <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Prof. K. Nageswara Rao, Professor & HOD, Andhra University, Visakhapatnam 2. Dr. M. Rajasekhar Babu, Professor, VIT, Vellore <p>Industry/Corporate Sector:</p> <ol style="list-style-type: none"> 1. Mr. Murali Maankar, Senior Software Engineer, CTS, Hyderabad <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Mr. N.V. Bharath, Senior Developer, SAP Labs INDIA Pvt. Ltd., Bangalore
6.	CSE (DS) and CSE (AIML)	<p>Chairman: Dr. B. Bhaskara Rao, Assoc. Prof.</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. G. Kishor Kumar, Assoc. Prof, Assoc. Prof. 2. Dr. M. Suleman Basha, Asst. Prof. 3. Mr. V.P. Hara Gopal <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr. S.V.L Narasimham, Prof., JNTUH, Hyderabad, 2. Dr. L. Suresh, Professor & HOD, RNSIT, Bengaluru <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Mr. M.V. Sri Varun, Senior Technical Leader, Broadrige Financial Solutions, Hyderabad <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Mr. Ch. Tejo Nagveer, Senor Project Engineer, WIPRO Technologies, Hyderabad

7.	CSE&BS and CSE (CS)	<p>Chairman: Dr. G. Kishor Kumar, Assoc. Prof.</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Mr.B.Bhaskara Rao, Assoc. Prof. 2. Dr.M.Suleman Basha, Asst. Prof. 3. Mr. V.P. Hara Gopal <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr. S.V.L Narasimham, Prof., JNTUH, Hyderabad, 2. Dr. L. Suresh, Professor & HOD, RNSIT, Bengaluru <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Mr. M.V. Sri Varun, Senior Technical Leader, Broadridge Financial Solutions, Hyderabad <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 1. Mr. Ch. Tejo Nagveer, Senor Project Engineer, WIPRO Technologies, Hyderabad
8.	Management Studies	<p>Chairman: Dr. S. Sowjanya, Asst. Prof. & Head</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr.M.Sudheer Kumar, Prof., 2. Dr. Aliya Sulatana, Asst. Prof., 3. Smt. K.Pushpha Latha, Asst. Prof. <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr. Venu Gopal Rao, Prof., SKU, Anantapur 2. Dr. D. Bhanu Sree Reddy, Senior Professor, VIT Business School, Vellore <p>Industry/Corporate sector:</p> <ol style="list-style-type: none"> 1. Mr. Anand Musunur, Director of Infrastructure Services, TCS, Troy, Michigan USA <p>Post graduate meritorious alumnus:</p> <ol style="list-style-type: none"> 2. Mr. Mehul Bhandari, Entrepreneur
9.	Maths	<p>Chairman: Dr. K.V. Suryanarayana, Prof. & Head</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. S. Venkateswarlu, Prof., 2. Dr. P. Sudharsaan Reddy, Prof. 3. Dr.P.Sreedevi, Asst. Prof. <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr.G.Radha Krishnamacharya, Prof., IITDM, Kurnool, 2. Dr. P. A. Lakshmi Narayana, Assoc. Prof., IIT, Hyderabad

10.	Physics	<p>Chairman: Dr. N. Ravi, Prof. & Head</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. B.C. Jamalaihah, Assoc. Prof., 2. Dr. S. Farooq, Asst. Prof. <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Dr. Prem Pal, Prof., IIT, Hyderabad, 2. Dr. V. Venkatramu, Prof., Dr.MRAR PG Centre, Nuzvid
11.	Chemistry	<p>Chairman: Dr. A. Bala Krishna, Asst. Prof. & Head</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. B. Arun Babu, Asst. Prof., 2. Dr. K. Raja, Asst. Prof. <p>Subject Experts:</p> <ol style="list-style-type: none"> 1. Prof. C. Suresh Reddy, Prof., SVU College of Sciences, Tirupati 2. Dr. K.S.V. Krishna Rao, Associate Professor, Yogi Vemana University, Vemanapuram, Kadapa <p>Industry/Corporate Sector:</p> <ol style="list-style-type: none"> 1. Dr. S. Subba Reddy, Director, SNR Pharma Shakti Puram IDA, Hyderabad
12.	English	<p>Chairman: Mr. P. Kousar Basha, Asst. Prof. & HOD</p> <p>Dept. Members:</p> <ol style="list-style-type: none"> 1. Dr. Y. Suneetha, Prof., 2. Mr. A.K.Gopi Krishna, Asst. Prof. <p>Subject experts:</p> <ol style="list-style-type: none"> 1. Dr. K. Venkat Reddy, Professor, EFL University, Hyderabad 2. Dr. P. Kusuma Harinath, Professor, S.V. University, Tirupati

FUNCTIONS:

- The Academic Council shall have the following powers and duties, namely Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, Curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc, provided that where the academic council differs on any proposals, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programmes of study in the college
- Make regulations for sports, extra-curricular activities and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body, Institution of Scholarships, studentships, fellowships, prizes and medals and to frame regulations for the award of the same.
- Advice the Governing Body on suggestions pertaining to academic affairs made by it
- Perform such other functions as may be assigned by the Governing Body.

Individual Board of Studies:

The Board of studies is the basic constituent of the academic system of an Autonomous College. It is constituted as per the guidelines of UGC/JNTU for each department separately. The Board of Studies shall consist of the following persons, namely:

- Head of the Department concerned - Chairman
- The entire faculty of each specialization
- Two experts in the subject from outside the college to be nominated by the Academic Council.
- One expert to be nominated by the Vice-Chancellor from a panel of six recommended by the college Principal.
- One representative from Industry/Corporate Sector/allied area relating to placement.
- One Postgraduate meritorious alumnus to be nominated by the principal
- The Chairman, Board of Studies may with the approval of the Principal of the college co-opt
- Experts from outside the college whenever special courses of studies are to be formulated
- Co-opt members of staff of the same faculty

Functions:

- Prepare syllabi for various courses keeping in view the objects of the college, interest of the stake holders and national requirements for consideration and approval of the academic council.
- Suggests methodologies for innovative teaching and evaluation techniques
- Suggests panel of names to the academic council for appointment of examiners and
- Coordinate research, teaching, extension and other academic activities in the department/college.

The no. of Joint Board of studies and Individual Board of studies meetings held on after obtaining Autonomous Status in the year 2010

S.No	Date	Meeting	Remarks
1	11-12-2010	Joint BOS and Individual Dept. BOS	To finalize Academic regulations , Guidelines for examinations work for UG and PG
2	07-12-2011	Joint BOS and Individual Dept. BOS	To modify the promotion rules
3	26-08-2012	Joint BOS and Individual Dept. BOS	To finalize Academic regulations for UG and PG.
4	15-06-2013	Joint BOS and Individual Dept. BOS	To modify the credit weightage and rounding of percentage of marks.
5	27-06-2015	Joint BOS and Individual Dept. BOS	To approve academic regulations for UG and PG.
6	12-07-2019	Joint BOS and Individual Dept. BOS	To approve RGM-R-2019 B.Tech. MBA , MCA and M.Tech Regulations with minor modifications compared to RGM-R-2015 regulations
7	21.08.2020	Joint BOS and Individual Dept. BOS	To approve II B.Tech syllabus
8	16.12.2020	Joint BOS and Individual Dept. BOS	To approve RGM-R-2020 B.Tech. and MCA(Two Years Course) Regulations
9	09.10.2021	Joint BOS and Individual Dept. BOS	1. To approve RGM-R-2020 for III B.Tech. syllabus 2. To approve RGM-R-19 for III B. Tech and III MCA syllabus
10	06.08.2022	Joint BOS and Individual Dept. BOS	1. To approve RGM-R-2020 for III B.Tech. syllabus 2. To approve RGM-R-19 for IV B. Tech. syllabus

11	15.07.2023	Joint BOS and Individual Dept. BOS	<ol style="list-style-type: none"> 1. To approve RGM-R-2020 for IV B.Tech. syllabus 2. To approve RGM-R-2020 for II B.Tech {(CSE (AI & ML), CSE (Cyber Security))} 3. To approve RGM-R-2019 for New M.Tech I & II Year courses; <ol style="list-style-type: none"> i. Civil- Computer Aided Structural Engineering. ii. EEE – Electrical Drives and Control. iii. Mech. – Energy Engineering. iv. ECE – VLSI Design. v. CSE – Computer Science.
12	06.10.2023	Joint BOS and Individual Dept. BOS	<ol style="list-style-type: none"> 1. To approve RGM-R-2023 for I B.Tech. syllabus and Academic Regulations 2. To approve B. Tech Course Structure and First B. Tech Syllabus
13	30.07.2024	Joint BOS and Individual Dept. BOS	<ol style="list-style-type: none"> 1. To confirm the minutes of the 11th Joint BOS held on 15-07-2023 and 12th BOS Special meeting of all BOS members (Through Google link) on 06-10-2023 and at 11.00 AM. 2. To approve 2nd Year syllabus for all B. Tech Programs (CE, CSE, CSE (DS), CSE & BS, CSE (AI & ML), CSE (Cyber Security), EEE, ECE and Mech. Engg.) for 2023 admitted students (RGM-R-2023). 3. To approve 3rd Year syllabus for B.Tech Programs (CSE (AI & ML), CSE (Cyber Security) admitted in 2022 (RGM R 2020)(New subjects only).

14	11.07.2025	Joint BOS and Individual Dept. BOS	<p>1. To confirm the minutes of the 13th BoS held on 30-07-2024 at 11.00 AM.</p> <p>2. To discuss and approve the following under the R23 Regulations for ECE Department:</p> <ul style="list-style-type: none"> • III & IV B.Tech. I-Semester and II-Semester Syllabus • Syllabus for Tinkering Lab (Core Lab) to all branches • The following Open Electives offered to other branches (CSE, CSE(DS), CSE(AI&ML), CSE(CY), EEE, ME, CE): <ul style="list-style-type: none"> a. Electronic Circuits b. Digital Electronics c. Microprocessors and Microcontrollers d. Transducers and Sensors • To discuss and approve the following MOOCs / SWAYAM / NPTEL Courses as Professional Electives / Open Electives in ECE: <ul style="list-style-type: none"> a. Soft Skills b. Introduction to IoT c. Cloud Computing d. Introduction to Cyber Security e. Ethical Hacking f. Fundamentals of Micro and Nano Fabrication g. Reinforcement Learning h. Computer Architecture & Organization • Syllabus for Honors Degree with VLSI Specialization • Syllabus for Minor Degrees in: <ul style="list-style-type: none"> a. Embedded Systems & IoT b. Electronic Systems <p>3. To discuss and approve the following subjects and labs offered to the EEE Department:</p> <ul style="list-style-type: none"> • Signals and Systems (Professional Elective-I) • Microprocessors and Microcontrollers (Core Subject) • Programmable Logic Controllers (Professional Elective-II) • Communication Systems (Professional Elective-II) • Microprocessors and Microcontrollers Lab (Core Lab) • Digital Signal Processing (Professional Elective-IV) <p>4. To discuss and approve the following subjects offered to the CSE Department:</p> <ul style="list-style-type: none"> • Microprocessors and Microcontrollers (Professional Elective-I)
----	------------	------------------------------------	---

- Embedded System Design (Professional Elective-II)
- Mobile Adhoc Networks (Professional Elective-III)

4) STANDING COMMITTEE

Objectives:

1. To ensure effective governance and smooth functioning of academic and administrative activities of the institution.
2. To review and monitor the implementation of policies, regulations, and decisions taken by various statutory and non-statutory committees.
3. To evaluate institutional planning, budgeting, infrastructure development, and student welfare activities.
4. To ensure compliance with the guidelines issued by AICTE, UGC, JNTUA, and other regulatory bodies.
5. To facilitate coordination among different committees and departments for efficient institutional management.
6. To review institutional performance periodically and suggest measures for continuous improvement.

Functions:

1. To review and approve the minutes and action taken reports of previous standing committee meetings.
2. To examine the recommendations and reports submitted by various committees such as Finance Committee, Building and Works Committee, Disciplinary Committee, IQAC, SC/ST Committee, and Women Empowerment Cell.
3. To review and recommend budget proposals for academic and infrastructure development before submission to higher authorities for approval.
4. To monitor the progress of infrastructure projects, maintenance works, and campus development activities.
5. To ensure proper implementation of institutional policies related to academic quality, discipline, equity, and student welfare.
6. To suggest corrective actions and policy improvements based on committee reports and institutional requirements.
7. To review compliance with statutory requirements and accreditation standards (NAAC, NBA, AICTE).
8. To consider any other matter related to institutional development with the permission of the Chair.

Sl.	Name of the Person	Designation	Position
1.	Dr. T. Jaya Chandra Prasad	Principal	Chairman
2.	Dr.D. V Ashok Kumar	Director of Admin	Member
3	Dr.B.Rami Reddy	Dean	Member
4	Dr.J. Sofia Priyadharshini	HOD ECE	Member
5	Dr. V. Naga Bhaskar Reddy	HoD, EEE	Member
6	Dr. K. Subba Reddy	HoD, CSE	Member
7	Dr. Gopu Sreenivasulu	HoD, CE	Member
8	Dr. K. Tirupathi Reddy	HoD, ME	Member
9	Dr. N. Ravi	HoD, Physics	Member
10	Dr. A. Balakrishna	HoD, Chemistry	Member
11	Dr. K.V. Suryanarayana Rao	HoD, Mathematics	Member
12	Dr. P. Kousar Basha	HoD, English	Member

13	Dr.S. Sowjanya	HoD, Management Studies	Member
14	Dr.D. Satyanarayana	Controller of Examination	Member
15	Dr. P. Sudarsana Reddy	Coordinator First year	Member

5) PLANNING AND EVALUATION COMMITTEE

Objectives:

1. To develop and implement a strategy for academic program sustainability and structure.
2. To define, articulate, and implement a strategy for developing new graduate programs.
3. To development of Centers.
4. To Development and implementation of a campus master plan.
5. To monitor detailed enrollment goals by department and co-curricular activity.
6. To develop and implement a comprehensive plan for wellness for students, faculty and staff to include programs related to physical and mental health, service delivery and facilities as well as a plan for spiritual support for faculty and staff.

Functions:

The committee will take necessary steps for proper implementation of the following:

1. To promotion system is to motivate academic employees and further their professional activity and success, thus improving the quality of teaching and research at the institution.
2. In order to evaluate the qualifications of applicants for the positions of professor, associate professor, or assistant professor.
3. To frame the guidelines on the qualification of new applicants.
4. The composition of course material and instructions, diversity and innovation in teaching methods, initiative in the development and reformation of teaching approaches, and efforts to motivate students to adopt independent and scholarly methods or to engage in joint projects, where applicable.
5. To assess the quality of management, emphasis shall be placed on the initiative and leadership of applicants, their competence in independent organization and planning, as well as their ability to collaborate with others on administrative work.

Members of the Committee:

S. No	Name of the employee	Role
1	Dr.T. Jayachandra Prasad	Chairman
2	Dr. K. Suryanarayana Rao	Member
3	Dr.N. Ravi	Member
4	Dr. V. Naga Bhaskar Reddy	Member
5	Dr. Gopu Srinivasulu,	Member
6	Dr. K. Tirupathi Reddy	Member
7	Dr. G. Kishore Kumar	Member
8	Dr.J. Sofia Priyadharshini	Member
9	Dr. K. Subba Reddy	Member
10	Dr. R. Kaviarasan	Member

6) FINANCE COMMITTEE

To advise the Governing Body on Financial matters a Finance Committee is constituted as per the guidelines of UGC/JNTU with approval of Governing Body.

List of Members approved by Governing Body

1	Dr. T Jaya Chandra Prasad	Chairman	Principal
2	Mr. M Siva Ram	Member Nominee of the GB	Parameswara Educational Academy, Nandyal
3	Dr.D. V Ashok Kumar	Director Admin	Member
5	Mr.S. Srikanth	Member	Accounts Department

FUNCTIONS:

- To consider the annual accounts and financial estimates of the Institution and submit them to the GB for approval;
- To consider and recommend the annual budget and revised estimates to the GB;
- To fix limits of the total recurring expenditure and the total non-recurring expenditure of the year based on the income and resources of the Institution.

7) INTERNAL QUALITY ASSURANCE CELL (IQAC) /AQAC

Members of IQAC 2023 – 2025

S.No	Name	Designation	Role	Phone	email
1	Dr. T. Jaya Chandra Prasad	Principal	Chairperson	9440290470	Principal.9@jntua.ac.in
2	Dr. M. Santhi Ramudu	President – Parameswara Educational Academy	Member- <i>Management Representative</i>	9866308411	midde.santhiram@gmail.com
3	Dr. D. V. Ashok Kumar	Dean – Administration & Placements	Member- <i>Administrative Representative</i>	9866308477	rgmdad09@gmail.com
4	Dr. P. V. Gopi Krishna Rao	Professor, ECE	Member – <i>Coordinator</i>	9440277731	p.vgopikrishnarao@rgmcet.edu.in
5	Dr. B. Rami Reddy	Dean – Student Affairs	Member	9442079377	
6	Dr. D. Satyanarayana	Professor & Controller of Examinations	Member	9440235267	satyadonthi@gmail.com
7	Mr. M. Siva Kumar	Librarian	Member	9908386890	rgmlibrary@gmail.com
8	Dr. V. Naga Bhaskar Reddy	Professor and Head, EEE	Member	9959022458	chaitu.bhaskar@gmail.com
9	Dr. K. Subba Reddy	Professor and Head, CSE	Member	9440087544	mrsubbareddy@yahoo.com
10	Dr. N. Ravi	Professor and Head, Physics	Member	9440553680	ravi2728@gmail.com
11	Dr. G. Srinivas	Professor and Head, Civil	Member	9502031222	cergmct2008@gmail.com
12	Dr. K. V. Suryanarayna Rao	Professor and Head, Mathematics	Member	9441533160	suryam_1968@yahoo.co.in
13	Dr. Syed Althaf Hussain	Professor, Mechanical Engineering	Member	9494738100	rgmaltafl@gmail.com
14	Dr. R. Hanuma Naik	Associate Professor, ECE	Member	9885511717	rhnaik.1717@gmail.com
15	Dr. P. Sudharshan Reddy	Dean, First Year - B. Tech	Member – <i>NIRF Coordinator</i>	9440862072	
16	Mr. A. Nanda Kishore Kumar Reddy	General Manager – SCM & India Operations, UQUIFA	Member – <i>Industry Representative</i>	7702225269	kkumar@uquifa.com

17	Dr. K. Porkumaran	Director, Sairam Group of Institutions, Chennai	Member – <i>Industry Representative</i>	9894101804	porkumaran@gmail.com
18	Mr. Shuvra Shankar Kundu	Engineering – Lead, Intel Corporation, Bangalore	Member – <i>Industry Representative</i>	9000800360	Shuvra.shankar.kundu@intel.com
19	Srikanth Sajja	Auditor,	Member- <i>Administrative Representative</i>	9248171205	
20	Mr. P. Jitendra Kumar	CEO & MD, Entellus IoT Labs	Member- <i>Alumni Representative</i>	8374623170	jitendra@entellus.io
21	Mr. J. Basaiah Swamy	Managing Director, Avalanche IT Services India Pvt Ltd,	Member- <i>Alumni Representative</i>	9490991896	jangambasaiahswamy@gmail.com
22	Mr. L. Bhupal Reddy	Ward Member, Nerawada	Member – <i>Local Body</i>	7702092262	
23	Mr. Abdul Kalam	2209AA0401, 3 rd Year student, ECE	Member- <i>Student Representative</i>		
24	Miss Chinnagari Muktha Reddy	23091A0245, 2 nd Year student, ECE	Member- <i>Student Representative</i>		

FUNCTIONS:

1. Development and application of quality benchmarks
2. Parameters for various academic and administrative activities of the institution;
3. Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
4. Collection and analysis of feedback from all stakeholders on quality-related institutional processes;
5. Dissemination of information on various quality parameters to all stakeholders;
6. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
7. Documentation of the various programmes/activities leading to quality improvement;
8. Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
9. Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
10. Periodical conduct of Academic and Administrative Audit and its follow-up
11. Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC

8) ADMISSION COMMITTEE:

To make the admissions of students into various courses offered by the college as per the policies of admissions approved by the Academic Council and as per the guidelines of the government an admission committee has been constituted to look into the various matters related to the admissions of students. The list of members and functions are mentioned hereunder.

List of Members:

S. No	Name of the employee	Role
1	Dr.T. Jayachandra Prasad	Chairman
2	Dr. D.V. Ashok Kumar	Member

3	Dr.V. Naga Bhaskar Reddy	Member
4	Dr. Thirupathi Reddy	Member
5	Dr.J. Sofia Priyadharshini	Member
6	Dr.K. Subba Reddy	Member
7	Dr.D. Surya Narayana Rao	Member
8	Dr.N. Ravi	Member
9	Dr.A. Bala Krishna	Member
10	Dr. Kousar Basha	Member
11	Dr.V. Gopu Srinivasulu	Member
12	Dr.M. Sudheer Kumar	TPO
13	Smt. S.Sowjanya	Member
14	Dr.G.Kishore Kumar	Member
15	Dr.B.Bhaskar Rao	Member
16	Dr.R.Kaviarasan	Member

FUNCTIONS:

The committee will look into:

- The matters relating to Admissions of the students at both UG & PG level.
- Provides all information related to admissions under A Category (Convener Quota) and B Category (Management Quota) to the students and parents. It also provides information in the college website.
- Issue Notifications for Spot Admissions under A Category and for Admissions under B Category as per the guidelines issued by State Government and concerned Competent authority
- Submit the list of Admissions made by the college to the concerned competent authorities and get approved.

Such other activities related to admissions deemed fit by the institute.

9) EXAMINATION COMMITTEE/ RESULTS COMMITTEE:

To organize different examinations and implement the evaluation procedures approved by the Academic Council an examination committee is constituted Consisting of all the Heads of the Departments, Officer-in-Charge of Academic Section as members and the Principal as a Chairman.

Functions:

- To Review of completion of syllabus in all subjects as per lesson plans submitted by the faculty
- Review of attendance of the students and to finalize the list of detained candidates before the commencement of University End Examinations in each semester / year
- Conduct Unit examinations and University End Examinations.

List of Members:

S.No	Name of the Committee Member	Position	Role/Signature
1	Dr.T. Jayachandra Prasad	Principal	Chairman

2	Dr. D. Satyanarayana	Professor in ECE	Controller of Examinations – Member
3	Dr. G. Sreenivasulu	HOD, CE	Member
4	Dr. V. Naga Bhaskar Reddy	HOD, EEE	Member
5	Dr. K. Thirupathi Reddy	HOD, ME	Member
6	Dr.J. Sofia Priyadharshini	HOD, ECE	Member
7	Dr. K. Subba Reddy	HOD, CSE	Member
8	Dr. K V Surya Narayana Rao	HOD, Math	Member
9	Dr. N. Ravi	HOD Physics	Member
10	Dr. M. Chenna Kesavulu	Associate Professor in ECE	Member
11	Dr. P. Prathap Nayudu	Associate Professor in CSE	Member
12	Mr. Y Vijaya Suresh	Assistant Professor in EEE	Member
13	Mr. B. Chinna Ankanna	Assistant Professor in ME	Member
14	Prof.M. Changa Raju Dept.of Mamthematics JNTUACE, Kalikiri	University Nominee	Member
15	Dr. P. Kousar Basha	HOD,English	Member
16	Smt. S.Sowjanya	HOD MBA	Member
17	Dr.G.Kishore Kumar	HOD AI&ML	Member
18	Dr.B.Bhaskar Rao	HOD DS	Member
19	Dr.R.Kaviarasan	HOD CS	Member

10) ANTI-RAGGING COMMITTEE:

As per the guidelines of AICTE/UGC/JNTU to prevent ragging in the College, outside the College and hostels a anti ragging committee is constituted consisting of Principal as Chairman, all Heads of Departments and Administrative Officer as members. The student representatives are also nominated to the committee.

Functions:

- To advise / council the senior students in the class rooms and hostels not involve in ragging
- To prevent ragging at different places like bus stops, corridors, canteen, laboratories, hostels etc.
- To report / recommend actions on the students involved in raging.

List of Members:

Dr. T. Jayachandra Prasad, Principal	- Chairman
Dr. D.V. Ashok Kumar – Director Admin. & Placements	- Faculty Member
Dr. B. Rami Reddy – Dean Students' Affairs	- Faculty Member
Dr. V. Nagabhaskar Reddy - HOD EEE	- Faculty Member
Dr. K. Thirupathi Reddy - HOD ME	- Faculty Member
Dr. P. Sudarshana Reddy – First Year Coordinator	- Faculty Member
Dr. K. Sudha Madhuri, Mechanical Engg.	- Faculty Member

Ms. S. Snigdha Malya – Civil Engg.	- Faculty Member
Sub Inspector of Police, Panyam	- Member
Mr. K. Srinivasulu, Media Representative	- Member
Mr. S. Mallikarjuna, Advocate	- Member
Mr. S.R. Ravichandra Babu,	- Member

Parent Representative of Students (Fresher's)

Dr. V.B. Sreedhar, Parent of Representative of Girl Students	- Member
Mr. A.V. Papaiah, Parent Representative of Boy Students	- Member
Ms. P. Lahari [23095A0128]	- Member
Mr. Patan Firoz khan [24095A0209]	- Member
Mr. T Ajay Kumar [24091A0302]	- Member
Ms. Y. Tanmai [23091A04M5]	- Member
Mr. S. RamaKrishna [22091A05C6]	- Member
Ms. A. K. Hasini [24091A3253]	- Member
Ms. B. Kalpana [22091A3409]	- Member
Mr. P. Guru Vishnu [23091A3317]	- Member
Ms. P. Vishnu Priya [24091A37B2]	- Member

11) ACADEMIC AUDIT COMMITTEE

To have a constant check and assurance of quality of the programmes offered by the college an Academic Quality Assurance Committee has been constituted. The list of members and functions are mentioned hereunder.

List of Members:

S. No	Name	Role
1	Principal	Chairperson
2	Dr. P. V. Gopi Krishna Rao	Member
3	Dr. Gopu Srinivasulu	Member
4	Dr. V. Nagabhaskar Reddy	Member
5	Dr. K. Subba Reddy	Member
6	Dr. D. Satyanarayana	Member
7	Dr. P. Sudarsana Reddy	Member
8	Dr. R. Kaviarasan	Member

FUNCTIONS:

The Committee will take necessary steps for proper implementation of the Academic Activities proposed under project. It monitors the quality of trainings attended / offered by the faculty of all departments, to verify the reports of the faculty after attending any training programme and application of knowledge acquired in day-to-day work by the faculty to assure the Academic Quality of teaching and learning process and submits its reports periodically to the principal.

- | | |
|--|--------------------|
| 2. Er. M. Siva Ram, Managing, Director | Nominee of the BOG |
| 3. Dr. D. V Ashok Kumar, Director Administration | Member |
| 4. Dr. G. Srinivasulu, Prof., HOD, CE Dept. | Member |
| 5. Dr. J. Sofia Priya Dharshini, HOD, ECE Dept. | Member |

15) CENTRAL PURCHASE COMMITTEE:

The members of central purchase committee:

- | | |
|---|--------------------|
| 1. Dr. T. Jayachandra Prasad Principal | Chairman |
| 2. Er. M. Siva Ram, Managing Director | Nominee of the BOG |
| 3. Dr. D.V Ashok Kumar, Director Administration | Member |
| 4. Dr. J. Sofia Priya Dharshini ECE. HOD | Member |

Functions:

- After receiving the requests from the Departments, the Central Committee will call for quotations / release tender notifications calling for quotations.
- The required Specifications will also be placed on College Web Site for Information To Bidders
- After receiving quotations, the same will be forwarded to the concerned Department for preparing comparative statements and for final recommendations.
- On receiving the same the Orders will be placed on the recommended bidder for supply of goods

16) LIBRARY COMMITTEE:

To procure required titles and volumes of books and to subscribe for relevant National and International Journals, for the proper maintenance books and other infrastructure of library, a Library Committee is appointed. The list of members and functions are mentioned hereunder.

S.No	Name of the Employee	Designation	Role
1	Dr.T Jaya Chandra Prasad	Principal	Chairman
2	Mr. M. Siva Kumar	Librarian	Member Secretary
3	Mr. E. Narasimhalu	EEE	Member
4	Mr. Syed Atif Hussain	Prof., ME	Member
5	Mr. D. Rajesh Setty	ECE	Member
6	Mr. Pradeep Naidu	CSE	Member
7	Mr. N. Jahir Pasha	CSBS	Member
8	Mr. M. Bala Kishore	CSE(AIML)	Member
9	Mr. D. Duddaiah Narayana	Chemistry	Member
10	Mr. R. Pasumaya Babu	Maths	Member
11	Dr. B. C. Jamaliah	Physics	Member
12	Mr. B. Bhimareddy Rajasekhar	Chemistry	Member
13	Dr. G. Kiran Kumar Reddy	English	Member
14	Mr.M. Teja Krishna 23091A04M7	UG Student	Member

15	Raghu Kola 25091D5711	PG Student	Member
----	-----------------------	------------	--------

FUNCTIONS

The committee will look into the matters relating to library such as procurement of new titles, adding up of new volumes, learning resources such as e-journals, e-books, e-learning material and proper maintenance of books and other infrastructure of the library. It invites the requirements from all the departments as well as students through a requirement register available in the Central Library. It forwards the requirements to Purchase Committee to place orders accordingly. After receiving the material, it will forward the bills to the Finance Committee for payment.

17) BUILDING & WORKS COMMITTEE

To maintain the existing infrastructure of the college and other civil works a building and works committee is constituted. The list of members and functions are mentioned hereunder:

S.No	Name	Position
1	Dr. T. Jaya Chandra Prasad, Principal	Chairman
2	Dr. D.V. Ashok Kumar, Director	Member
3	Dr. G. Sreenivasulu, HOD CE	Member
5	Dr. Altaf Hussain, Professor ME	Member
6	Dr. B. Bhaskar Rao, HOD CSE(DS)	Member
7	Dr. B. Naga Kiran, Faculty CE	Member
8	Mr.Y. Vijaya Suresh	Member

FUNCTIONS:

The Committee will look into all the civil works of the college & Hostels as well as the maintenance of the existing infrastructure. It collects the information from the different departments relating maintenance of the buildings and other infrastructure and recommend necessary action to the principal. It also prepares necessary plans for construction of new buildings required in consultation with the site Engineer/Architect and submit the same to the management for necessary approval from the concerned authorities.

18) INSTITUTIONAL DEVELOPMENT COMMITTEE

To suggest suitable development plans/activities of institutional development committee is constituted. The list of members and functions are mentioned hereunder:

S.No	Name of the Employee	Designation	Role
1	Dr.T Jaya Chandra Prasad	Principal	Chairman
2	Er. M. Sivaram	Managing Director	Member Secretary
3	Dr. B. Rami Reddy	Dean Student Affairs	Member
4	Dr. G. Sreenivasulu	HOD, CE	Member
5	Dr. V. Naga Bhaskar Reddy	HOD, EEE	Member
6	Dr. K. Thirupathi Reddy	HOD, ME	Member
7	Dr. J. Sofia Priya Dharshini	HOD, ECE	Member
8	Dr. K. Subba Reddy	HOD, CSE	Member
9	Dr. G. Kishore Kumar	HOD, AI&ML	Member
10	Dr. B. Bhaskar Rao	HOD, DS	Member

11	Dr. R. Kaviarasan	HOD, CS	Member
12	Smt. S.Sowjanya	HOD, MBA	Member
13	Dr. K V Surya Narayana Rao	HOD, Mathematics	Member
14	Dr. N. Ravi	HOD, Physics	Member
15	Dr. P. Kousar Basha	HOD, English	Member

FunctionS:

The Institutional Development committee of the College will suggest / recommend to the BOG through CAC, the suitable development plans / activities, policies, goals and objectives of the college and prepare perspective plan for implementation and to act as a "Think –Tank" and offer guidance and direction to the college, keeping in view the broad principles of Technical Education and needs of the country for the overall development of Institution. It also monitors the implementation of developmental activities pertaining to the College and submits its report to BOG. The committee will meet once in an Academic year.

Role of the committee Members:

- The members will give suggestions as to how to proceed on the "promotion of Academia and Industry interaction".
- To give "ideas and directions" for the development of the college so that it can become an "Autonomous college" playing a "distinct and unique" role in its quest to become an institution of excellence.
- Initiate innovative programmes such that the career opportunities of students are enhanced.
- To give advice on the desirability of taking up community development programmes for the Neighboring villages.
- Any other programmes which the enlightened members wish to propose

19) DISCIPLINARY COMMITTEE

To look into the student/staff discipline of the college a disciplinary committee has been constituted. The list of members and functions are mentioned hereunder.

S.No	Name of the Committee Member	Position	Role
1	Dr. T. Jayachandra Prasad	Principal	Chairman
2	Dr.B.Rami Reddy	Dean Student Affairs	Member
3	Dr. G. Sreenivasulu	HOD, CE	Member
4	Dr. V. Naga Bhaskar Reddy	HOD, EEE	Member
5	Dr. K. Thirupathi Reddy	HOD, ME	Member
6	Dr.J. Sofia Priyadharshani	HOD, ECE	Member
7	Dr. K. Subba Reddy	HOD, CSE	Member
8	Dr. K V Surya Narayana Rao	HOD, Maths	Member
9	Dr. N. Ravi	HOD, Physics	Member
10	Dr. P. Kousar Basha	HOD,English	Member
11	Smt. S.Sowjanya	HOD MBA	Member
12	Dr.G.Kishore Kumar	HOD AI&ML	Member
13	Dr.B.Bhaskar Rao	HOD DS	Member
14	Dr.R.Kaviarasan	HOD CS	Member
15	Mr.V. Likith Sai Chandra(22091A0495)	Student	Member

16	Mr.A. Rajiv Chowdary(24095A0419)	Student	Member
----	----------------------------------	---------	--------

FUNCTIONS:

The Disciplinary committee of the College will look into the all matters related to the student / staff discipline in the College. It examines the complaints received from students and staff on any in disciplinary action on any student / staff member it will enquire and award suitable punishment.

20) STUDENTS WELFARE COMMITTEE

To look into different student affairs such as extracurricular and co-curricular activities a student's affairs committee is constituted. The list of members and functions are mentioned hereunder.

S.No	Name of the employee	Role
1	Dr. T. Jayachandra Prasad	Chairman
2	Dr. B. Rami Reddy	Member
3	Dr. V. Naga Bhaskar Reddy	Member
4	Dr. K. Thirupathi Reddy	Member
5	D. J. Sofia Priya Dharshini	Member
6	Dr. K. Subba Reddy	Member
7	Dr. K.V. Surya Narayana Rao	Member
8	Dr. N. Ravi	Member
9	Dr. A. Bala Krishna	Member
10	Dr. Kousar Basha	Member
11	Dr. V. Gopu Srinivasulu	Member
12	Dr. P. Sudarsana Reddy	Member
13	Dr. D. Satahyanarayana	Member
14	Mr. M. Teja Krishna (23091A04M7)	Member
15	Mr. Raghu Kola (25091D5711)	Member

FUNCTIONS:

The committee will look into the all student's affairs such as Organization of student's seminars / symposia, extracurricular and co-curricular activities, games and sports etc. It submits its proposals for organization of above mentioned activities to the GB for approval for the all-round development of students.

21) ANTI SEXUAL HARASSMENT COMMITTEE

To enquire on the Complaints received from the female students or staff of the College and recommend necessary action to the Principal a anti-sexual harassment committee has been constituted. The list of members and functions are mentioned hereunder.

S.No.	Name of the faculty	Role	Dept.
1.	Dr. K. Sudha Madhuri	Chair Person	ME

2.	Dr. D. Vishnu Priya, M.D, Psychiatrist, SRMC, Nandyal	Member	Psychiatrist, SRMC
3.	Mrs. S. Haritha	Member	MBA
4.	Mrs. S. Anuradha	Member	Administration
5.	Dr. S. Venkateswarulu	Member	Mathematics
6.	Dr. M. Chennakesavulu	Member	ECE
7.	Mr. S. Sreenivasa Reddy	Member	ECE
8.	Ms. G. Varsha (23091A04P8)	Student Member	ECE
9.	Ms. Y. Bhargavi (23091A3220)	Student Member	CSE-DS
10.	Ms. G. Rachel Deepika (25091E0023)	Student Member	MBA

FUNCTIONS:

The committee will look into the matters relating to sexual harassment by co-staff / students. The committee will enquire into the complaints received by the victims and recommend suitable action to the Principal.

22) MALPRACTICE PREVENTION COMMITTEE

S.No	Position	Role
1	Principal	Chairman
2	HOD of the department to which the student involved in malpractice belongs	Member
3	HOD of the department to which the concerned subject belongs	Member
4	Officer-in-Charge of Academic Section- Controller of Examination	Member

Functions:

To enquire into the complaint and recommend to university to award punishment as per university norms.

23) MAINTENANCE OF CAMPUS COMMITTEE

For the proper maintenance of the campus a separate committee is formed. The members and its functions are mentioned here under.

S.No	Name	Role
1	Dr. T. Jayachandra Prasad	Chairman
2	Mr. G. Venkateswara Reddy	Member
3	Mr. G. V. Ravi Shekar	Member
4	Dr. G. Kishore Kmar	Member
5	Dr. D. V. Ashok Kumar	Member

Functions:

The day-to-day cleaning of the Campus and Garden is maintained by the Maintenance Supervisor who reports to the chairman. Maintenance supervisor is provided with 40 members to clean the rooms, toilets, the entire campus daily and proper maintenance of greenery and gardens. The Maintenance Supervisor prepares a schedule for cleaning which monitored by the faculty of the departments allotted by the HODs.

24) MAINTENANCE OF LABS & EQUIPMENT COMMITTEE

For proper maintenance of lab equipment, departmental level committees are appointed for all the departments under the Chairmanship of the concerned HOD.

Functions:

The Equipment in the labs is monitored by the lab technicians who closely observe their functioning and calibration regularly and report failures to the lab in charges. For every laboratory a faculty member is made in charge that is responsible for the physical safety, preventive and breakdown maintenance of all lab equipments. A Stock register is maintained in the respective laboratories. The lab incharge will suggest the purchase of new equipment (necessitated by change of Syllabus), scrapping obsolete and old equipment in the lab stock and for the replacement of the damaged. They ensure that at least 97% of equipment is in condition all the time and is available for use. The lab in-charges also monitor the charts and notice boards in their respective labs. One of the faculty members is nominated by the HOD as in charge for maintenance and monitor the teaching aids allotted to the departments like departmental OHP, LCD projectors, white screens.

25) MAINTENANCE OF PLAY FIELDS COMMITTEE

The Physical Director in charge for the play fields for organizing different games and Sports. The cleanliness is maintained with man-power provided by the Maintenance Supervisor.

S.No	Name of the Committee Member	Position / Role
1	Dr. T. Jayachandra Prasad	Chairman
2	Dr. S. Venkateswarlu	Member
3	Dr. M. Sudheer Kumar	Member
4	Dr. P. Sudharshan Reddy	Member
5	Mr. Venkatesh	Member

26) TRAINING & PLACEMENT CELL

With a view to improve the employment opportunities of the students a Training and Placement cell has been formed. At present Dr. M. Sudheer, Associate Professor, Department of MBA is appointed as Training & Placement Officer. To assist and co-ordinate one faculty from each department is appointed. In consultation and under the guidance of the Principal the cell organizes the following functions.

- To recognize the professional agencies to provide necessary Training to the students to improve their communication skills and provide corporate recruitment training to improve the employment opportunities of the students.
- To enter MOUs with such organizations and implement the proposed training programmes.
- To contact different industries and invite them to the campus to recruit the students.
- To maintain the database of ongoing and graduated students and provide information of the Placement Opportunities on campus & off campus to the students.
- To arrange guest lectures by the eminent people from industry to enlighten the students on the latest developments of technology and requirements of industry.

S.No	Name of the Committee Member	Position / Role
1	Dr. T. Jayachandra Prasad	Principal
2	Dr. D. V. Ashok Kumar	Member
3	Mr. M. Sudheer Kumar	Training & Placement Officer
4	Mr. P. Dibba Reddy	Clerk

27) ENTREPRENEURSHIP CELL

To motivate the students to become entrepreneurs and to emerge as employment providers rather employment seekers an Entrepreneurship cell is created. The members and functions of the cell are:

S.No	Name of the Committee Member	Position / Role
1	Dr. T. Jayachandra Prasad	Chairman
2	Dr. M. Sudheer Kumar	Convener
3	Dr. Aliya Sulthana	Member

Functions:

- To enlighten the students on entrepreneurship abilities
- To arrange seminars and workshops in consultation with Department of Industries, Govt. of A.P, Bankers, State Finance Corporation etc.,
- To provide necessary information to the students about the Subsidies and other avenues available to establish industries.
- To provide training programmes to the students on Entrepreneurship skills

28) TRANSPORT COMMITTEE

For the convenience of day scholar staff and students the college is running 26 busses from Kurnool and Nandyal. The policy of the college is to give a contract to an outsider for maintenance of busses and daily operations. The college will purchase the busses and meet the major maintenance of the vehicles. The transport charges will be collected by the contractor as decided by the Transport Committee and provide services as per the schedules decided by the Transport Committee. The members and functions of the Transport Committee are mentioned hereunder:

- | | | |
|-------------------------------|-----------------------|------------------|
| 1. Dr. T. Jayachandra Prasad | Principal | Chairman |
| 2. Dr. K.V. Suryanarayana Rao | Prof. Maths | Member |
| 3. Dr. A. Bala Krishna | Asst. Prof. Chemistry | Member |
| 4. Dr. K. Subba Reddy | Prof., CSE | Member |
| 5. Mr. G. Venkateswara Reddy | Office | Member Secretary |

Functions:

- To Identify and decide the routes of transport.
- To recommend the Management of Purchase of required no. of Vehicles.
- To co-ordinate with the contractors to provide transport facilities without causing inconvenience to the students/staff and according to the academic schedules.
- To ensure proper maintenance of vehicles.

29) EXTRA-CURRICULAR ACTIVITY COMMITTEE

1. To help protect sports and recreational buildings and land including playing fields. We expect these to be retained or enhanced as part of any redevelopment unless an assessment has demonstrated that there is an excess of provision and they are surplus to requirements, or clear evidence supports their relocation. We are a statutory consultee on all planning applications affecting playing field land and will object to such an application unless one of five exceptions applies.
2. To see the best use made of existing sports facilities through improving their quality, access and management. We have developed a wide range of supporting advice on understanding and planning for facility provision, including efficient facility management such as community access to school sites.
3. To ensure that communities have access to sufficient high quality sports facilities that are fit for purpose. Using evidence and advocacy, we help to guide investment into new facilities and the expansion of existing ones to meet new demands that cannot be met by existing provision.

List of Committee Members

S.No	Name of the Employee	Role
------	----------------------	------

1	Dr. T. Jayachandra Prasad	Chairman
2	Dr. S. Venkateswarlu	Member
3	Dr. M. Sudheer Kumar	Member
4	Dr. P. Sudarsana Reddy	Member
5	Dr. V.N.V. Satya Prakash	Member
6	Mr. Venkatesh (PET)	Member
7	Mr. M.Krishna Teja (23091A04M7)	Member
8	Mr. P. Jogendra Reddy (23091A0470)	Member
9	Mr. Raghu Kola (25091D5711)	Member

30) INSTITUTION INDUSTRY CELL

1. Bridge the gap between academia and industry

To connect theoretical knowledge with real-world industrial practices.

2. Enhance employability of students

To prepare students with skills required by industries through training and exposure.

3. Promote research and innovation

To encourage collaborative projects, research work, and technological development with industries.

List of Members:

S.No	Name of the Employee	Designation	Role
1	Dr. T. Jayachandra Prasad	Principal	Chairman
2	Dr. D. V. Ashok Kumar	Director	Member
3	Dr. K. Thirupathi Reddy	Professor in ME	Member
4	Dr. M. Sudheer Kumar	TPO	Member
5	Dr. P. V. Gopi Krishna Rao	Professor in ECE	Member

Functions:

1. Organizing industrial training and internships

Arranges internships, industrial visits, and in-plant training for students.

2. Facilitating industry interaction

Conducts guest lectures, workshops, and seminars by industry experts.

3. Supporting placement and collaboration activities

Helps in campus recruitment, MoUs with companies, and joint projects.

31) SC/ST ATROCITY COMMITTEE

Objectives:

1. Ensure safety and protection of SC/ST students and staff
To prevent discrimination, harassment, and atrocities within the campus.
2. Promote equality and social justice
To create an inclusive environment where all students are treated equally.
3. Raise awareness about rights and laws
To educate students and staff about protections under the Scheduled Castes and Scheduled Tribes (Prevention of Atrocities) Act.

List of Members:

S.No	Name of the Faculty	Department	Role
1	Dr. T. Jayachandra Prasad	ECE	Chairperson
2	Dr. D. V. Ashok Kumar	EEE	Member
3	Dr. G. Kishor Kumar	CSE	Member
4	Dr. J. Surya Kumari	EEE	Member
5	Dr. R. Hanuma Naik	ECE	Member

Functions:

1. Address complaints and grievances
Receives and resolves complaints related to discrimination or harassment of SC/ST members.
2. Conduct awareness programs
Organizes seminars, workshops, and campaigns on anti-discrimination and legal rights.
3. Monitor and prevent incidents
Keeps vigilance on campus activities and ensures strict action against any violations.

32) WOMEN EMPOWERMENT COMMITTEE**OBJECTIVES**

1. To enhance the self-esteem and self-confidence of women students, faculty and staff in the college.
2. To promote intellectual and cultural activities for overall personality development of student.
3. To develop critical thinking ability of women students such that it enhances decision-making ability.
4. To enable women to make informed choices in areas like education, employment and health especially reproductive health.
5. To enhance their participation on an equal footing in all areas

List of Committee members

S.No.	Name of the faculty	Role
1.	Mrs. S. Haritha	Coordinator
2.	Dr. K. Sudha Madhuri	Member
3.	Dr. J. Surya Kumari	Member
4.	Dr. Aliya Sultana	Member
5.	Dr. P. Sreedevi	Member
6.	Ms. T. Shanthala	Member

7.	Mrs. K. Rathi	Member
8.	Mrs. Aparna	Member
9.	Mrs. B. Swetha	Member
10.	Mrs. C. Leelavathi	Member
11	Mrs.V. Saraswathi	Member

FUNCTIONS:

The committee will look into:

1. Educating the teaching and non-teaching staffs and students towards gender sensitization.
2. Provision of opportunities and programs for female gender to be mentally and emotionally empowered so as to promote their growth as individuals in their own right.
3. Conducting various competitions to encourage their artistic talents for creative thinking
4. Counseling services and Gender Audit.

33) INSTITUTION INNOVATION COUNCIL (IIC)

1. To promote innovation and entrepreneurship among students and faculty members.
2. To create an ecosystem that encourages creative thinking, problem solving, and development of innovative ideas.
3. To organize workshops, seminars, and awareness programs on innovation, intellectual property rights, and startup development.
4. To facilitate interaction between students, faculty, industry experts, and entrepreneurs for knowledge sharing and mentoring.
5. To support students in transforming innovative ideas into prototypes and viable products.
6. To encourage participation in national and international innovation and startup competitions.
7. To identify and nurture potential entrepreneurs within the institution.

List of Committee Members:

S.No.	Name of the Member	Role
1	Dr. P. Jayachandra Prasad	Chairman
2	Dr. D. Satyanarayana	Member
3	Ms. T. Shanthala	Member
4	Dr. K. Sudha Madhuri	Member
5	Dr. M. Raghavendra	Member
6	Mr. P. Murthuja	Member
7	Mr. G. Shiva Krishna	Member
8	Mr. Chandra Shekar	Member
9	Mr. M. Ummar Basha	Member
10	Mr. K. Rama Krishna	Member
11	Mr. P. V. Hara Gopal	Member

12	Dr. K. Sudheer Kumar	Member
13	Dr. P. V. Gopi Krishna Rao	Member
14	Dr. Aliya Sultana	Member

Functions:

1. To conduct regular meetings to review innovation activities and plan future initiatives.
2. To organize hackathons, idea contests, project exhibitions, and innovation challenges within the institution.
3. To guide students and faculty in filing patents, copyrights, and other intellectual property rights.
4. To collaborate with industries, incubation centers, and research organizations for technical support and mentorship.
5. To maintain records of innovation activities, startup initiatives, and student projects.
6. To provide necessary support for prototype development through institutional resources and external funding opportunities.
7. To disseminate information regarding government schemes, grants, and startup policies related to innovation and entrepreneurship.
8. To prepare and submit periodic reports on the activities and achievements of the Innovation Cell to the institution and regulatory bodies.

34) RESEARCH AND DEVELOPMENT COMMITTEE**Objectives:**

1. To promote research culture among faculty and students in the institution.
2. To encourage faculty to publish research papers in reputed journals and conferences.
3. To facilitate submission of research proposals to funding agencies such as AICTE, DST, DRDO, and UGC.
4. To strengthen industry–institute interaction through collaborative research and consultancy.
5. To monitor and guide ongoing research activities and ensure quality and ethical standards.
6. To organize workshops, seminars, and conferences to enhance research skills and awareness.
7. To support patent filing, product development, and innovation activities.

List of Members:

S.No.	Name of the Member	Role
1	Dr. P. Jayachandra Prasad	Chairman
2	Dr. D. Lenine	Coordinator
3	Dr. Manoj Panchal	Member Secretary
4	Dr. Chenna Rajaram	Member
5	Dr. R. Hanuma Naik	Member
6	Dr. M. Ayyavaraiah	Member
7	Dr. M. Jahir Pasha	Member
8	Mr. V. P. Hara Gopal	Member
9	Mr. S. Muzibuddin	Member

10	Dr. Aliya Sultana	Member
11	Dr. A. K. Gopi Krishna	Member
12	Dr. P. Sreedevi	Member
13	Dr. Sk. Nayab Rasool	Member
14	Dr. K. Raja	Member

Functions

1. Review and approve research proposals before submission to funding agencies.
2. Maintain a database of publications, funded projects, patents, and consultancy works.
3. Recommend financial assistance and incentives for research publications and patents.
4. Coordinate with departments to identify thrust research areas.
5. Monitor progress of funded projects and ensure timely submission of reports.
6. Conduct periodic meetings to evaluate research performance of departments.
7. Facilitate MoUs and collaborative research with industries and other institutions.

35) NAAC COMMITTEE**Objectives:**

1. To coordinate all activities related to NAAC accreditation and re-accreditation of the institution.
2. To ensure continuous quality improvement in academic, administrative, and infrastructural aspects of the college.
3. To guide departments in maintaining proper documentation and data required for NAAC assessment.
4. To monitor and support the preparation of Self-Study Report (SSR) and Annual Quality Assurance Reports (AQAR).
5. To promote quality culture among faculty, staff, and students through awareness programs and training.
6. To implement and review quality initiatives suggested by IQAC and NAAC peer team recommendations.

List of the Members:

S. No	Name of the Member	Designation
1	Dr. T. Jayachandra Prasad	Chairman
2	Dr. P. V. Gopi Krishna Rao	Coordinator
3	Dr. P. Sudarsana Reddy	Member
4	Dr. M. Chennakesavulu	Member
5	Dr. V. N. V. Satya Prakash	Member
6	Mr. Y. Vijaya Suresh	Member
7	Dr. M. Suleman Basha	Member
8	Dr. P. Raja Kumar	Member

Functions:

1. Collect and verify data related to the seven criteria prescribed by NAAC.
2. Coordinate with IQAC and departmental coordinators for timely submission of reports and documents.
3. Conduct internal audits to ensure readiness for NAAC peer team visits.
4. Organize workshops and meetings to sensitize stakeholders about NAAC requirements.
5. Monitor implementation of quality benchmarks and best practices in the institution.
6. Maintain records of academic and administrative performance indicators

36) INTERNSHIPS COMMITTEE

Objectives:

1. To facilitate internship opportunities for students in reputed industries, research organizations, and government sectors.
2. To ensure that all students undergo mandatory internships as per AICTE/JNTUA regulations.
3. To guide students in selecting internships relevant to their branch and career goals.
4. To establish strong industry–institute interaction through internship collaborations.
5. To monitor and evaluate the quality and outcomes of student internships.

List of the members:

S.No	Name of the Committee Member	Position	Role
1	Dr. T. Jayachandra Prasad	Principal	Chairman
2	Dr. D. V. Ashok Kumar	Director Administration	Member
3	Mr. K. Janardhan	Faculty	Coordinator
4	Dr. G. Sreenivasulu	HOD, CE	Member
5	Dr. V. Naga Bhaskar Reddy	HOD, EEE	Member
6	Dr. K. Thirupathi Reddy	HOD, ME	Member
7	Dr.J. Sofia Priyadharshini	HOD, ECE	Member
8	Dr. K. Subba Reddy	HOD, CSE	Member
9	Dr. K V Surya Narayana Rao	HOD, Math	Member
10	Dr. N. Ravi	HOD, Physics	Member
11	Dr.M. Sudheer Kumar	TPO	Member
12	Dr. P. Kousar Basha	HOD,English	Member
13	Smt. S.Sowjanya	HOD MBA	Member
14	Dr.G.Kishore Kumar	HOD AI&ML	Member
15	Dr.B.Bhaskar Rao	HOD DS	Member
16	Dr.R.Kaviarasan	HOD CS	Member
17	Dr. P. Kousar Basha	HOD,English	Member

Functions:

1. Identify and maintain a database of industries and organizations offering internships.
2. Coordinate with Training and Placement Cell and departments for internship scheduling and allotment.
3. Issue letters, maintain records, and track student participation in internships.
4. Verify internship completion certificates and reports submitted by students.
5. Organize awareness programs and orientation sessions on the importance of internships.
6. Review internship feedback from students and organizations to improve future programs.

37) ADMINISTRATION COMMITTEE

Objectives:

1. To ensure smooth and efficient administrative functioning of the institution.
2. To monitor implementation of institutional policies and procedures.
3. To coordinate between academic and administrative sections.
4. To review infrastructure and facility management.
5. To support institutional governance and compliance.

List of Committee Members

S.No	Name of the Committee Member	Position	Role/Signature
1	Dr.T. Jayachandra Prasad	Principal	Chairman
2	Dr. D. V. Ashok Kumar	Professor in EEE	Director of Administration
3	Dr. G. Sreenivasulu	HOD, CE	Member
4	Dr. V. Naga Bhaskar Reddy	HOD, EEE	Member
5	Dr. K. Thirupathi Reddy	HOD, ME	Member
6	Dr.J. Sofia Priyadharshini	HOD, ECE	Member
7	Dr. K. Subba Reddy	HOD, CSE	Member
8	Dr. K V Surya Narayana Rao	HOD, Math	Member
9	Dr. N. Ravi	HOD Physics	Member
10	Dr. P. Kousar Basha	HOD, English	Member
11	Smt. S. Sowjanya	HOD MBA	Member
12	Dr.G. Kishore Kumar	HOD AI&ML	Member
13	Dr.B. Bhaskar Rao	HOD DS	Member
14	Dr.R. Kaviarasan	HOD CS	Member
15	Dr.P. Sudheer Babu	Placement Officer	Member

Functions:

1. To oversee day-to-day administrative operations.
2. To monitor utilization and maintenance of institutional resources.

- 3. To review administrative staff performance and requirements.
- 4. To ensure proper documentation, record maintenance, and statutory compliance.
- 5. To support implementation of decisions taken by governing bodies.

Once in a Year

Once in a Year

9.6.3 Transparency (5)

Institute Marks : 5.00

The agendas and minutes of the Governing Body and Academic Council are disseminated through the institutional website, accessible at the following link:

Committees - RGM College Of Engineering and Technology (<https://www.rgmcet.edu.in/committees>)

Service Rules are framed by the Sponsoring Society M/s Parameswara Educational Academy, Nandyal which are approved and adopted by the Institute Governing Body in 2001. It has been published and made available to all the departments for the sake of the information to the employees

RECRUITMENT POLICY:

- The vacancies are identified at all levels by the concerned HOD and informed to the Principal for filling the vacancies
- A Notification will be published in leading News Papers inviting applications from eligible candidates for the vacant posts as per AICTE norms.
- Eligible Candidates will be called for interviews
- Selection Committees will be constituted by the Principal for selecting the candidates

Constitution of Selection Committee

1. Principal	Chairman
2. Management Representative	Member
3. Concerned HOD	Member
4. Subject Experts	Members
5. Directors/Deans	Member

- The Selected Members will be appointed on Adhoc basis
- Services of Adhoc members will be regularized/ratified by a duly constituted Selection Committee by University
- Promotion policies are governed by Service Rules and AICTE norms
- Additional increments will be given in deserving cases based on the performance and on recommendations of the HOD and Principal.

Decentralization in working including delegation of financial power and grievance redressal system

List of faculty members who are administrators /decision makers for various responsibilities

1. Principal
2. All Heads of the Departments
3. Administrative Officer
4. All the HODs are involved in decision making on policy matters
5. Regular meetings are held with HODs to discuss day-to-day activities
6. HODs are authorized to take decisions relating to purchase of equipment upto Rs.50,000/- and cash payment upto Rs.5,000/-
7. Separate bank accounts are opened in the names of all HODs to operate the daily transactions

The institution has established well-defined policies, rules, and procedures to ensure effective academic and administrative functioning.

1) The college has documented policies covering academics, examinations, research, consultancy, and student welfare. These include curriculum planning, teaching-learning processes, internal assessment, grievance redressal, code of conduct, and anti-ragging measures. All policies are approved by the Governing Body/Academic Council and reviewed periodically.

2) Standard Operating Procedures (SOPs) are defined for key activities such as admissions, course delivery, laboratory practices, evaluation, and placement.

3) Financial powers are clearly delegated at various levels (Principal, Heads of Departments, coordinators) as per institutional norms. Budget allocation, approvals, and expenditures are carried out in a transparent manner with proper documentation, audits, and compliance with statutory requirements.

4) The institution maintains records of faculty qualifications, experience, responsibilities, and professional development activities. Student-related data such as admissions, attendance, academic performance, placements, and progression are systematically recorded and analyzed.

5) All relevant information is effectively communicated to stakeholders through Institutional website, Notice boards and circulars.

9.7 Budget Allocation, Utilization, and Public Accounting at Institute Level (12)

Total Marks 12.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY

Total Income 530201569				Actual expenditure(till...):	Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)			
240486736	0	0	289714833	625220154	5871	106492.96

Table 2 - CFYm1

Total Income 707919549				Actual expenditure(till...):	Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)			
440589195	0	100000	267230354	746583208	5254	142098.06

Table 3 - CFYm2

Total Income 445810050				Actual expenditure(till...):	Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)			
320472110	252800	0	125085140	498719512	4454	111971.15

Table 4 - CFYm3

Total Income 408326546				Actual expenditure(till...):	Total No. Of Students	Expenditure per student
Fee	Govt.	Grants	Other sources(specify)			
291023672	0	508600	116794274	436226397	3962	110102.57

Items	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till
Infrastructure Built-Up	1061000	1454234	7980000	7011033	8640000	7879312	5840000	5811680
Library	2650000	1872314	2780000	2463980	1250000	2868937	1500000	1379922
Laboratory equipment	2200000	9767365	2329000	2152284	1250000	2040654	1000000	8640767
Teaching and non-teaching staff	3530000	2612270	3150000	3127476	3004731	2823106	2650000	2627943
Outreach Programs	4250000	2940185	3050000	2861966	2350000	4134015	1950000	2097577
R&D	3000000	0	3500000	501150	1096000	475320	1000000	325180
Training, Placement and Industrial	2050000	1093991	8000000	9769805	2000000	7597765	1150000	1477345
SDGs	2032900	1579841	2500200	2555651	4127500	4523145	3885000	3878118
Entrepreneurship	520000	494041	270000	378272	800000	484562	700000	641267
Others, specify	6657430	3457170	7171000	7066206	5575800	5641714	5083000	4867586
Total	781884302	625220154	757420000	746583208	513766157	498719512	439730000	436226397

9.8 Program Specific Budget Allocation, Utilization (8)

Total Marks 8.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY: (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY

Total Budget 3855000		Actual expenditure (till...): 3177652		Total No. Of Students 1086
Demanded	Actual Allocated	Actual Expenditure	% Spent	Expenditure per student
4000000	3855000	3177652	75.43	2926.01

Table 2 :: CFYm1

Total Budget 3500000		Actual expenditure (till...): 3390552		Total No. Of Students 1111
Demanded	Actual Allocated	Actual Expenditure	% Spent	Expenditure per student
4000000	3500000	3390552	107.68	3051.80

Table 3 :: CFYm2

Total Budget 5450000		Actual expenditure (till...): 5764897		Total No. Of Students 1069
Demanded	Actual Allocated	Actual Expenditure	% Spent	Expenditure per student
6000000	5450000	5764897	108.17	5392.79

Table 4 :: CFYm3

Total Budget 5160000		Actual expenditure (till...): 4630383		Total No. Of Students 1067
Demanded	Actual Allocated	Actual Expenditure	% Spent	Expenditure per student
5450000	5160000	4630383	91.81	4339.63

Items	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till	Budgeted in	Actual Expenses in till
Laboratory equipment	1000000	950275	2500000	2383674	4100000	4137333	3500000	3539890
Software	1200000	1062000	0	0	0	0	0	0
SDGs	675000	233998	550000	572170	925000	1251522	560000	81138

Support for faculty developmen	200000	194019	75000	59076	50000	46877	75000	84355
R & D	355000	315000	250000	250632	250000	204165	900000	800000
Industrial Training, Industry exp	425000	422360	125000	125000	125000	125000	125000	125000
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	3855000	3177652	3500000	3390552	5450000	5764897	5160000	4630383

9.9 Quality of Learning Resources (Hard/Soft) (5)

Total Marks 5.00

The Central Library of RGM CET provides strong academic support to the Electronics and Communication Engineering (ECE) department. The ECE collection comprises 1,900 titles and 12,538 volumes, along with 27 print journals and more than 950 e-journals. Access to a wide range of ECE e-books is provided through Shodh Sindhu and DELNET, while KNIMBUS offers additional subject-specific digital resources under the JNTUA consortium. All e-resources are available through IP-based access using a high-speed campus network with 1024 Mbps bandwidth, ensuring seamless, round-the-clock access for ECE students and faculty.

The library also offers access to **IEEE Access**, enabling ECE students and faculty members to explore a vast collection of high-quality research journals, conference proceedings, and technical standards published by IEEE. Through IEEE Access, students can refer to various reputed journals and stay updated with the latest advancements in electronics, communication systems, and emerging technologies.

In addition to library resources, the ECE department also supports student learning through a dedicated, department-maintained online repository that provides regulation-wise and subject-wise handwritten notes and PowerPoint presentations. These learning materials, prepared and curated with student support, are freely accessible through the following

link: <https://rgmctecenotes.blogspot.com/> (<https://rgmctecenotes.blogspot.com/>)

List of Subscription Journals (27)

1. I-MANAGERS Journal on Circuits and Systems
2. I-MANAGERS Journal on Embedded Systems
3. I-MANAGERS Journal on Image Processing
4. I-MANAGERS Journal on Mobile Applications and Technology
5. I-MANAGERS Journal on Wireless Communication Networks
6. I-MANAGERS Journal on Future Engineering & Technology
7. I-MANAGERS Journal on Instrumentation and Control Engineering
8. Signals and Telecommunication Journal
9. Progress in Signals and Telecommunication Engineering
10. I-MANAGERS Journal on Communication Engineering
11. I-MANAGERS Journal on Digital Signal Processing
12. I-MANAGERS Journal on Electronics Engineering
13. Tele.Net
14. The IUP Journal of Telecommunications
15. Journal of Electronic Systems
16. Electronic Devices
17. IETE Journal of Education
18. IETE Journal of Research
19. IETE Technical Review
20. I-MANAGERS Journal on Pattern Recognition
21. Journal of Networking Technology
22. The IUP Journal of Electrical & Electronics Engineering
23. Current Science
24. Resonance – Journal of Science Education
25. Defense Science Journal

26. Journal of Scientific & Industrial Research

27. Electronics For You

9.10 E-Governance (5)

Total Marks 5.00

Library

- Carpet area of library : 1200 Sqm
- Reading space : 400 Sqm
- Number of seats in reading space : 150
- Number of users (issue book) : 120 per day
- Number of users (Reading space) : 250 per day

Timings:

- Working day : 8:00 AM to 8:00 PM
- Holidays : 8:00 AM to 8:00 PM
- Vacation : 9:30 AM to 5:00 PM

Number of library staff : 08

Number of library staff with degree in Library MGMT : 04

Computerization for search, indexing, issue/ return records? : Yes

Bar-coding used? : Yes

Lib services on internet/ intranet? : Yes

INDEST or other similar membership? : Yes

INDEST, DELNET, INFLIBNET, GATE, National Digital Library of India : Yes

List of Books, Journals and Electronic Resources						
S.No	Branch	Titles	Volumes	E Journals Online	Journals Print	Electronic Resources
1	ECE	2170	13668	1350	33	https://iceexplore.icee.org/Xplore/dynhome.jsp?tag=1 (https://iceexplore.icee.org/Xplore/dynhome.jsp?tag=1) https://delnet.in/index.html (https://delnet.in/index.html) https://jntuaengg.knimbus.com/portal/v2/default/home (https://jntuaengg.knimbus.com/portal/v2/default/home) https://nptel.ac.in/ (https://nptel.ac.in/) https://swayam.gov.in/ (https://swayam.gov.in/) https://www.ndl.gov.in/ (https://www.ndl.gov.in/)

Central Library

The central Library is located in spacious and gratifying premises. The Central Library has more than **12,336** titles, **74,135** volumes and subscribes to more than **180** international and national journals. 3086 back volumes are also available. Reprographic facilities and Internet facilities are available in the Central Library. The main reading hall can accommodate more than **220** students at a time. The Central Library is open from **8.00 AM to 8.00 PM** on all working days and the working hours are extended during examinations. The students can loan three books at any time.

RGM CET Central Library is having membership of INFLIBNET (Information library network). DELNET (Developing library network) and NDL National Digital Library of India. Through INFLIBNET we can access 34,38,000 e-books and 6100 online journals. DELNET (Developing library network) we can access e-books and online journals. J.GATE is subscribed. RGM CET Central Library is the institutional member of National Digital Library (NDL) of India where we can access 72,03,195 documents like books, video lectures, audio lectures, articles, thesis and so on.

The Central library is equipped with **LIBSYS LSEASE software with web OPAC** and Barcode facility. The central Library procured **Subject video hard disks NPTEL** from **IIT Madras** AND **Videos on Demand procured** from **IIT, Kharagpur** and are made available to the students and faculty via intranet through campus wide network and also **Wi-Fi** both in hostels and college round the clock.

The Central Library provides online Library services like on-line Journals/magazines, open course ware, open access Journals, Internet facility to the students and faculty with 1024 Mbps band width for faster access to the great extent.

RGM CET Central Library subscribes IEEEASPP DIGITAL LIBRARY, JGATE online and are made available through IP based ACCESS round the clock to the students and faculty.

2 CQR automation private limited will provide KOHA Integrated Library Management Software (ILMS) installation, customization and updates regularly with RFID solutions to the Central library ie RFID cards, RFID labels for books and other reading materials, **self-issue/return kiosks**, RFID Gates Flap barriers and so on as per the PO.

Internet

Name of the Internet provider : **D-AtuM Vilcom Private Limited**
5-79-1, FIRST FLOOR, Opp BSNL Office,
Ashok Nagar, Guntur, Andhra Pradesh,
Pin No: 522006, India

Available bandwidth : **1GB**

Wi Fi availability : **Available**

Internet access in labs, classrooms,

Library and offices of all Departments : **Available**

Security arrangements : **Available**



9.11 Initiatives and Implementation of Sustainable Development Goals (SDGs) (10)

Total Marks 10.00

**POLICY DOCUMENT ON
DISABLED-FRIENDLY, BARRIER FREE ENVIRONMENT**

The main objectives of the "Persons with Disabilities" (Equal Opportunities, Protection of Rights and Full Participation) Act, 1996 enacted by the Government of India on February 7, 1996 are to create barrier free environment for persons with disabilities and to make special provisions for the integration of persons with disabilities into the social mainstream. It enjoins upon the institution to ensure within their economic capacity provision for installation of facilities for the benefit of persons with visual handicaps, kerbs and slopes to be made in pavements for the easy access of wheel chair users, devising appropriate symbols of disability and warning signals at appropriate places. In regard to non-discrimination in the built environment, provisions have been made for ramps in Academic buildings, adaptation of toilets for wheel chair users, Braille symbols and proper signage and elevators.

The Institute propagates and strategizes to promote equal right and access to education for all those who are underprivileged with physical disability. It is vigilant to the fact that despite a highly regulated and complex education framework of the nation, it should be easily available for the students with "special needs".

Moreover, the Persons with Disabilities Act 1996 indicates that differently-abled persons should have access to education at all levels. In view, this Institute has created Disability Support Facilities (DSF) at RGM CET to provide access to the differently abled students of the Institute to varied programs, services, activities. Besides, the DSF also would encourage them for the highest levels of academic and personal achievement; and advocate an accessible environment for them. The policy has been devised to promote the holistic development of differently abled students. Also, the Institute strives to create accessory and homely ambience and facilities for these students. It takes care to nurture them right from helping them to seek admission till they pass out from the Institute.

Objectives:

- To facilitate admission of persons with disability by following Rules & Regulations and Policies of the States and Central Governments
- To provide counselling to differently-abled individuals in the Institute for better learning support.
- To provide guidance to avail various fellowships / scholarships of different funding agencies.
- To create awareness about the needs of persons with disabilities and other general issues concerning disabilities.
- To provide equal educational opportunities to disabled persons in the Institute.
- To provide infrastructural needs to enable them to easily access classrooms, laboratories, toilets, etc for barrier free learning environment.
- To explore the full participation and equality as well as suitable placement opportunities for educated disabled graduates in public as well as private sector enterprises.
- To adequately support learners with disabilities with the right resources and assistive technology, and with leadership, teaching staff and University as a whole being responsive to their needs.
- To ensure the accessibility of software tools and technology for the people with disabilities.
- To Provide the Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading.

Categories of the Disability:

As per the guidelines of the University Grants Commission and the Ministry of Social Justice & Empowerment, the Ministry of Human Resource Development, Government of India, the "Disability" is classified in the following categories:

- Blindness
- Low vision
- Leprosy-cured
- Hearing impairment
- Loco motor disability
- Mental illness
- Mental retardation

Actions Initiated by the College:

The College provide the following provisions to the differently-abled students (Physically Challenged students) as mentioned below.

- Providing the scribe to blind students as per the norms of the College.
- Providing the scribe to those who are incapable of using hands due to accident/illness.
- The hostel rooms in the hostels are allocated to the differently-abled students in the ground floor only.
- The College has ramps with railings on both sides almost at all the departments to let tricycles pass freely directly to the classrooms.
- The College shall maintain the complete database of differently-abled students, their addresses with phone numbers in order to facilitate the communication and other requirements. It will be continuously monitoring the facilities and assistance in the matters of differently-abled Persons.
- Encouraging the disabled students to take part in the sports and cultural events and the winners/active participants of such events will be felicitated.
- Provision of guidance and counselling to differently abled individuals.
- Signage of tactile path and Display Boards.

- On campus medical facility.
- Provision of Screen reading Software.
- Provision of Human assistance to disabled students.

Water Conservation facilities available in the institution

INDEX

S. No.	Contents
1	Rain water harvesting
2	Bore well and sump recharge
3	Construction of tanks
4	Waste water recycling
5	Maintenance of water bodies and distribution system in the campus

RGM CET has very good water management plan to support all our water needs including both Men's and Women's hostel. The water management is well supported with rain water harvesting and Sump. The ground water is circulated to all overhead tanks using bore wells. The college also has a sewage treatment plant to do water recycling and use it for watering plants and to support green energy.

Rain Water Harvesting:

The rainwater is harvested to charge the rain water into the soil for ground water recharging. The storage of rainwater on surface is a traditional techniques and structures used were underground tanks, ponds, check dams, weirs etc.



Rain Water Harvesting Unit near the Canteen



Rain Water Harvesting System



Bore well near the Main Gate



Bore Well and Sump Recharge

The bore wells are constructed in water abundant points inside college. The ground water was pumped to sump using bore well. There are totally 4 sumps inside the college to support water necessities to cover all blocks of the college including hostels.

Sump at the Back side of the Canteen

Construction of Tanks:

Overhead tank with capacity of 1,25,000 litres is available in the College. The Ground water is pumped into the tank and it is distributed through well laid pipe network. Entire distribution system is well supervised by Maintenance department to ensure that there are no leakages and wastages of precious water through joints, valves etc. Waste usage of water is reduced using low pressure flushes.



Water Tank on the top of ME Block



Overhead Tank in front of CE Block



Water Tank on top of RB Block

Waste Water Recycling:

The institution always has a motto in saving water for future. In this regard a Wastewater plant of capacity 200KLD is available at the campus with present utilization value of 2, 00, 000 litres per day. The technology that has been adopted this WWTP is MBBR (Moving bed bio film reactor) technology for the treatment of domestic sewage and other waste waters. This technology ensures that the quality of the treated water confirms to the standards and requirements as laid out by Central/State pollution control board and the same has been reviewed and approved by authorized Persons on periodic basis to ensure on the quality.

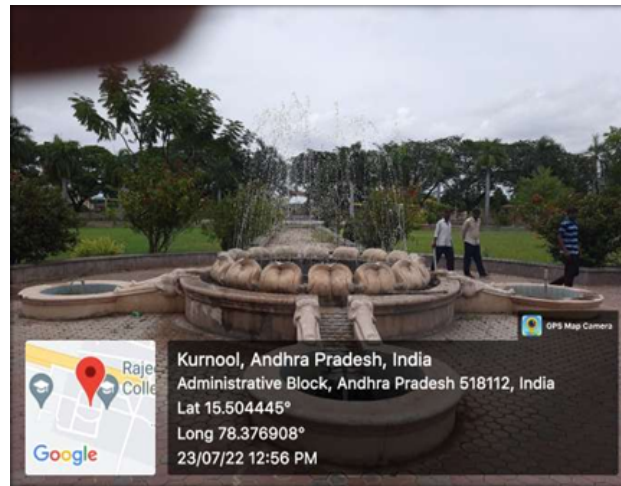


Waste Water Recycling Plant in front of ME Block

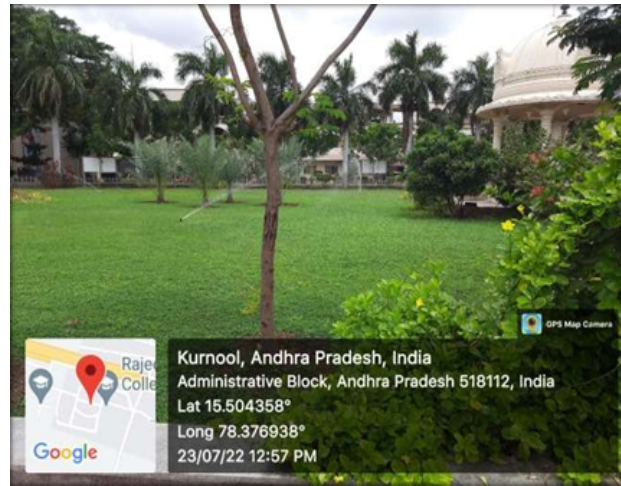
The recycled water is used to gardening (70%) ,flushing toilets (10%) and other custodial purposes like hardscape cleaning ,washing etc.

Maintenance of Water Bodies and distribution system in the campus:

A well-arranged pipe network connecting sumps and overhead tank to the water distributing Point is established to support all the needs of the college. Water distribution system on the campus is decentralized. All buildings have provisions of water tanks which connects to various places like laboratories, washrooms, and common areas. To facilitate required litres of water supply per day, college is well equipped with water sources. Ground water is also supplemented with rain water harvesting and sewage water treatment plant. Water is stored in construction tanks with a well-organized pipeline plan for each block. A separate maintenance team is available to maintain and monitor water level and pipe leakages. Drinking water after treating in RO plant is supplied through a separate set of distribution pipes and water for all other purpose is supplied through another set of distribution pipes. Entire distribution system is well supervised by Maintenance department to ensure that there are no leakages and wastages of precious water through joints, valves etc. Waste usage of water is reduced using low pressure flushes. All the stakeholders of the college are well educated to use water economically and efficiently.



Water Distribution system in the Garden



Water Distribution System in the Lawn



RO Water Plant in the Camp

POLICY DOCUMENT ON GREEN CAMPUS

Rajeev Gandhi Memorial College of Engineering and Technology is one of the most preferred engineering college in this region; it has a green agenda. As a technical institution, it demonstrated exceptional concern for maintaining an environmentally friendly campus. The students are happily enjoying the elegant and aesthetic buildings, splendid lawns, spacious sports grounds, and lush green environment conducive to the teaching and learning process. RGM CET's Green Campus Policy has been framed to create a complete green, clean and sustainable environment inside and around of the campus. The Policy also aims to implement practices that will lead to environment friendly lifestyles inside and outside the campus.

The policy has the following objectives

- To enrich the greenery in the campus by promoting tree plantation activities.
- To sensitize the faculty, staff and students on the environment issues and eco-friendly lifestyle.
- To promote Recycle and Reuse Practice thereby implementing the zero-waste lifestyle.
- To implement effective waste management measures.
- To establish a complete plastic free zone

- To implement environment friendly outside the college campus.

RESTRICTED ENTRY OF AUTOMOBILES

The college operates 40 Vehicles to commute the students and staff. The institution is encouraging the staff and students to use the colleges transportation instead of their own vehicles for safety, security, fuel conservation, and to reduce environmental pollution. The sign indicating that motorized vehicles should not be used to enter /not allowed in the campus.

USE OF BICYCLES/ BATTERY POWERED VEHICLES

The institution is very much interested in implementing a green culture and is encouraging a greener ecosystem while also providing a pollution-free atmosphere by introducing battery-powered vehicle services all over the campus. Battery-powered vehicles are operated with limited speed within this campus. The use of bicycles is encouraged on campus.

PEDESTRIAN FRIENDLY PATHWAYS

The vehicle parking space is provided at the main entrance of the college campus. As the campus is vehicle-free with some exceptions, the students and staff feel comfortable walking through the pedestrian-friendly pathways on both sides. The internal roads are lined with trees and LED lights, and they are properly maintained by the College maintenance Department.

MINIMAL USAGE OF PLASTIC

The college continuously committed to work towards plastic-free campus. College administration authorities closely monitors and emphasizes the minimization of usage of plastic inside the campus. To restrict the use of plastic, measures have been taken to replace plastic tea cups and tumblers with glass ones in the canteen. The staff and students are informed to use steel or copper water bottles instead of plastic bottles.

LANDSCAPING WITH TREES AND PLANTS

RGMCEt's landscaping is pleasing to the eye and reflects an aesthetic sense. The institute has trees and plants to make the environment pollution-free and safeguard the health of all members. The lawns and the trees provide shade and a beautiful ambience. Utmost care is taken to develop and maintain green landscaping by well-trained gardeners. Gardeners are involved in maintaining the greenery environment.



Water is a precious natural resource needed for all living beings. Saving water helps prevent droughts and supports future generations. Using water wisely reduces wastage in daily life. Every drop saved helps protect the environment



Rainwater harvesting collects and stores rain for later use.
It helps recharge groundwater levels.
This reduces dependence on borewells.
It is an easy and eco-friendly method.



Fixing leaking taps can save many litres of water daily.
Leaks waste clean drinking water.
Timely repair prevents water loss.
It also saves money.



Turning off taps while brushing saves water.
Small habits make big changes.
It reduces daily water waste.
Everyone should follow this practice.



Using buckets instead of showers saves water.
Showers waste more water.
Bucket baths are eco-friendly.
They reduce water consumption.



Water plants in the morning or evening.
This prevents evaporation.
Plants absorb water better.
It reduces wastage.



Reuse water for cleaning floors and plants.
This reduces fresh water use.
It is an effective conservation method.
Reuse whenever possible.



Keep rivers and lakes clean.
Pollution reduces usable water.
Clean water supports life.
Protect natural water bodies.



Community efforts help save water.
Awareness programs encourage conservation.
Working together makes a difference.
Water saved today helps tomorrow.



Saving water protects our planet.
It supports life on Earth.
Future generations depend on us.
Conserve water every day.

Types of Degradable and Non Degradable Waste

Index

S.No :	Contents
1	Solid Waste Management
2	Liquid Waste Management
3	E-Waste Management
4	Segregation of Degradable and Non Degradable Wastage
5	Display Regarding Food and Water Conservation
6	Waste Water Recycling System
7	Hazardous Chemicals and radioactive waste management

Report on Waste Management

The waste management practices followed in RGM CET are

1. Solid waste management
2. Liquid Waste management
3. E-Waste management
4. Degradable and Non-Degradable Waste management
5. Display regarding Food and Water Conservation and
6. Waste Water Recycling and

7. Hazardous Chemicals and radioactive waste management.

Solid waste management:

In order to dispose of solid waste, it is collected separately as dry and wet waste at the source. Separate dustbins are kept at the earmarked places in each floor for an effective collection of solid waste and to maintain a good hygienic environment in the campus. Cleaning of the dustbins is being done every day and the collected waste is disposed of in the place earmarked by local authorities. Further, recycling waste like plastics, newspapers, etc. are given to the local vendor.



Collection of Solid Waste in the Campus



Solid Waste Management System

Liquid Waste management:

Institute has an established systematic sewage network throughout. The sewage water collected throughout is discharged into the main channel setup by Government authorities through proper pipe mechanism. Regular monitoring of pipes is also done in order to avoid any sort of leakage.

E-Waste Management:

Institute has established a systematic procedure to manage the e-waste. At the end of useful life, the computer peripherals are collected from different locations of the campus. In addition, CDs, batteries, USB cables, and earphones are collected in separate bins as E-waste and disposed through certified vendor.

Institute has adopted the following steps to reduce the generation of E-waste:

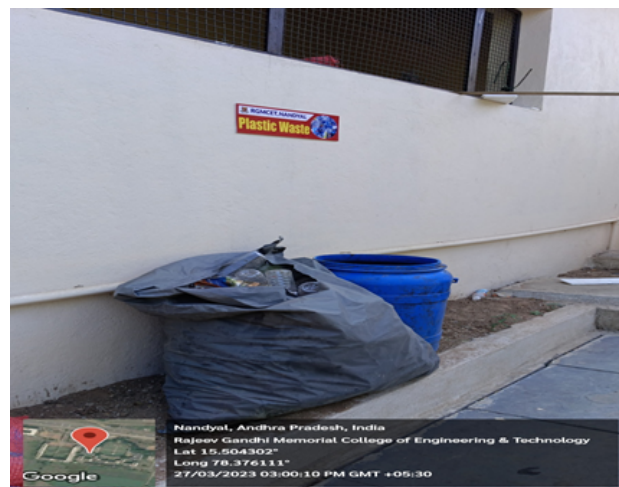
Usage of CDs and CD drives has been minimized.

Usage of temporary storage devices such as pen drives has also been limited.



Segregation of Degradable and Non Degradable Wastage:

Wastage is collected separately as Degradable and Non-Degradable waste and dumped in a specific place away from Academic Blocks



Plastic Waste Segregation System



Organic Wastage Segregation System



Metal Wastage Segregation System

Display Regarding Food and Water Conservation:

To avoid Food and Water Wastage in the Campus and hostel dining halls, several quotations, Newspaper Clippings, Awareness articles are placed in the notice boards through which Students and employees are made aware about to reduce food /Water Waste. Display boards are also placed at various places in the Campus.



Display Boards regarding water Conservation

Waste Water Recycling System:

A waste water treatment plant having a capacity of 200KLD is available in the campus with present utilization of 2, 00,000 litres per day. The Wastewater Treatment process is one of the most environmental conservation processes and has been encouraged worldwide. Wastewater is either treated in on site facilities or transferred to a larger, centralized wastewater treatment plant, which treats the effluents of a larger number of companies and /or households. The facilities are designed to ensure that the wastewater treated before it can be released to the local environment. Some of the treated water can be reused for cooling the machines and/or cleaning purposes within the plant.



Waste Water recycling System

Hazardous Chemicals and radioactive waste management:

The Chemical Wastage from the Various Laboratories is safely disposed by the college. The standard protocol of disposing the Hazardous Chemicals is adopted by the institute.

Procedure for Disposal of Chemical Waste:

1. Make a Standard solution of Sodium Carbonate (soda Ash) in a beaker or use an inorganic base diluted in water (1:10)-set aside.
2. Put tap Water into 1 or 2 gallon polyethylene bucket.
3. Dilute acid at least 1:10 while slowly pouring and stirring the acid into water.

4. Slowly add soda ash or other basic solution into diluted acid with stirring or save diluted acid to neutralize bases as described below.
5. Monitor pH with pH meter.
6. When pH is between 6 and 9, dispose in a drain followed with excess water.



Hazardous Waste Collection Unit



Chemical Waste Collection Unit

Sources of energy and energy conservation measures

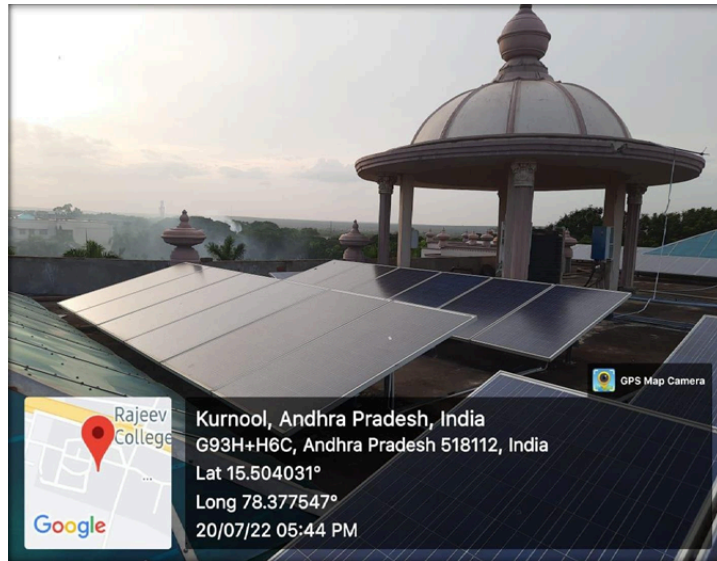
Index

S.No.	Contents
1	Solar Energy

2	Wheeling to the Grid
3	Sensor based energy conservation
4	Use of LED Bulbs

Solar Energy:

Solar PV system is designed for automatic operation with no need for user interaction. In the case of main grid supply failure, the inverter will be automatically and immediately used for power supply. Once the power has been restored, the inverter will be automatically re-enabled. The College has established 500kW solar Panels on the roof top.

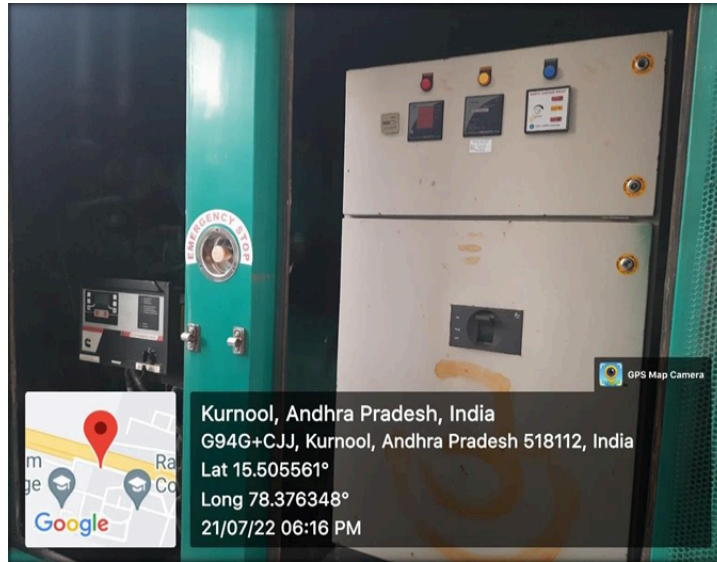


Wheeling to the Grid:

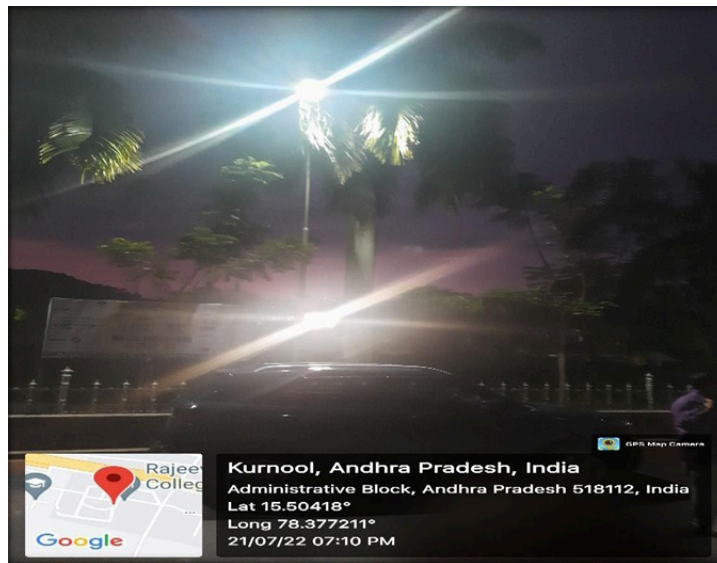
A grid –Connected photovoltaic system is an electricity generating solar PV power system that is connected to the utility building load. A grid-connected PV system consists of solar panels, one inverter, DC/AC isolator switch, power conditioning unit and grid connection equipment. We have connected a small range of commercial rooftop system, the on-grid (without battery) connected PV system-solar energy is converted AC power fed into the building loads that are utilized by load.

Operation of Our System

There are two grid connected system, one is solar PV system has connected Energy Shortfall -internal demand is more than solar energy produced is drawn from the grid and Another one is PV system is Energy surplus/excess power (solar energy produced is more than Internal demand) is fed into the grid-Power exported to the grid.

**Sensor based Energy Conservation:**

In RGM CET, Sensors are used to control lights and water flow which helps to do energy conservation. Sensor based solar lights are installed in the College premises.



Use of LED Bulbs:

The college Premises are provided with LED bulbs with Low Power rating, but of same luminance intensity of CFL to reduce power Consumption. They are used in large number in Administrative Office, Seminar halls, Corridors, Class rooms. LED Bulbs are fitted on the roof walls in all the Places. We have 20-watt,36-watt,100-watt LED bulbs which have energy usage reduction of 75% reduction of electric energy and has long lasting quality of life in Comparison to CFL bulbs.



LED Bulbs in the Laboratories



LED Bulbs in the Laboratories

AICTE-IDEA (Idea Development, Evaluation & Application) Lab

The **AICTE-IDEA (Idea Development, Evaluation & Application) Lab** is a strategic initiative aimed at transforming technical education by providing a centralized facility for hands-on, experiential learning, which focuses on **Continuous Improvement**, the IDEA Lab serves as a critical evidence-based intervention to bridge the gap between theoretical STEM concepts and practical product visualization.

Introduction to AICTE-IDEA Lab

The AICTE-IDEA Lab is a 24x7 common facility embedded within an institution to encourage students and faculty to move beyond classroom theory.

Purpose: It provides all necessary tools—such as 3D printers, laser cutters, and CNC routers—under one roof to convert ideas into functional prototypes.

Philosophy: It operates on the principle of "Learning by Doing" and aligns with the National Education Policy (NEP) 2020 to foster 21st-century skills.

Primary Objectives

The lab is designed to achieve several key outcomes that contribute directly to institutional and student growth:

Promote Innovation & Creativity: To provide a vibrant platform where students can experiment with new technologies and develop indigenous products for the Make in India campaign.

Strengthen STEM Application: To encourage the practical application of Science, Technology, Engineering, and Mathematics fundamentals through hands-on projects and product visualization.

Develop 21st-Century Skills: To impart essential professional skills, including:

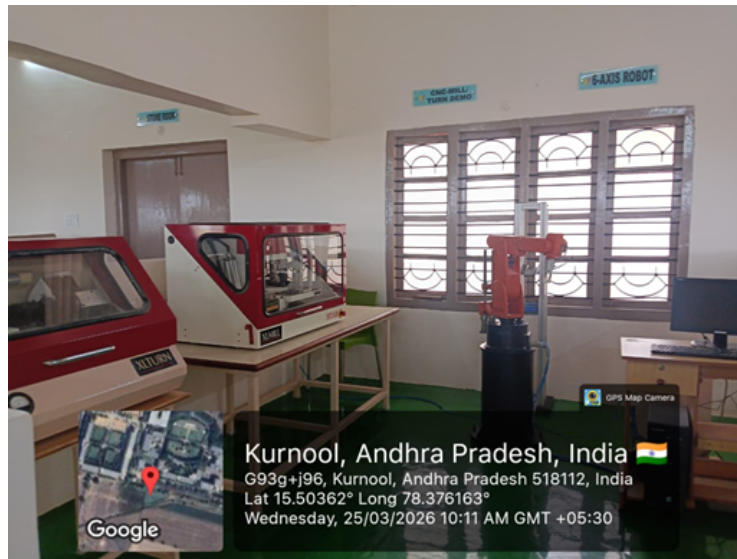
Critical Thinking and Complex Problem Solving.

Design Thinking and Collaborative Teamwork.

Bridge Concept-to-Market Gaps: To act as a pre-incubator or Technology Business Incubator that supports the transformation of early-stage ideas into Minimal Viable Products (MVPs).

Foster Multidisciplinary Collaboration: To break departmental silos by encouraging interdisciplinary research and projects involving students and faculty from various engineering branches.

Enhance Employability & Entrepreneurship: To make graduates more "industry-ready" by exposing them to real-world technical challenges and industrial equipment.





Community Radio Service (CRS)

Details

Licensed FM-based Community Radio Station established within the campus with studio setup, audio mixing console, microphones, transmitters (typically 50W), antenna system, recording & editing software, and broadcast automation system. Operates as per Ministry of Information & Broadcasting (Govt. of India) guidelines

Purpose for creating facility

The institution operates an in-house campus radio station, which functions as a key student support service for enhancing communication skills, fostering creativity, and improving community engagement. Students manage the station, producing content that includes educational initiatives, technical talks, and campus updates, thereby strengthening student interaction and providing hands-on experience in media management.

To provide hands-on exposure in communication systems, RF transmission, audio engineering, and broadcasting technologies.

To serve the local community through educational, social and awareness programs.

Utilized by II, III & IV year ECE students for practical learning in Analog & Digital Communication, RF & Microwave Engineering, Signal Processing, and Media Technology. Also used for student internships, live program production, technical training, and community outreach activities.

Key aspects

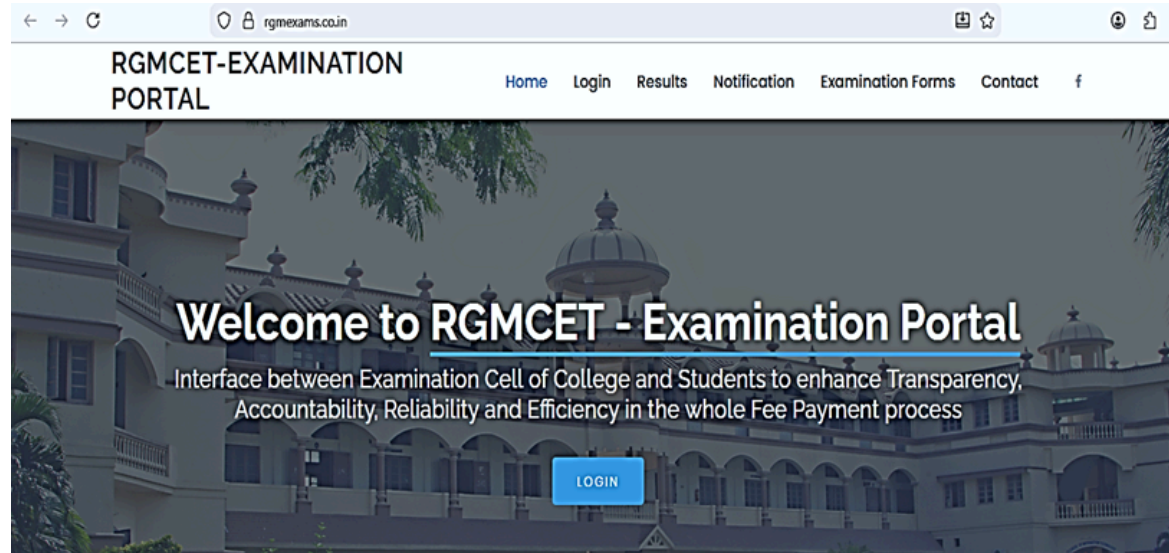
- Media & Communication: Enhances public speaking and content creation.
- Technical Experience: Offers experience in audio production and station management.
- Engagement: Acts as a central channel for sharing cultural, social, student beneficial programs, farmers awareness community events, local community events and academic updates

9.12 Innovative Educational Initiatives and Implementation (5)

Total Marks 5.00

Academic bank of credits (ABC):

RGM CET is very much interested and has enrolled all its students in National Academic Depository which is a government endeavour to offer an online repository for all academic awards under the Digital India Programme. RGM CET has registered in NAD and is in the process of upload students mark sheets and provisional certificates through the nad.digitallocker.gov.in platform. The National Academic Bank of Credits (ABC) portal has now been integrated into the nad.digitallocker.gov.in platform and is currently live autonomous colleges from the academic year 2021. RGM CET follows a choice-based credit system for all of its programmes and is now in the process to pass a resolution related to the ABC in the Academic Council. RGM CET will formally register in the ABC portal as soon as the resolution is being approved by the higher academic bodies.



RGM CET- Examination Branch

Digilocker SSC
ABC ID

NH-40, Nerawada 'X' Roads,
Nandyala, Kurnool District,
Andhra Pradesh 518501

Phone: +91 9866308471
Email: rgmexam@gmail.com

RGM CET, Nandyal

Rajeev Gandhi Memorial College of Engineering and Technology is an autonomous college located in Nandyal, Andhra Pradesh, India. The college is affiliated to JNTU University Anantapur and is accredited by the National Board of Accreditation. The Institute received an autonomous status in 2010.

© Copyright RGM CET-Examination Branch. All Rights Reserved
Developed by J Suresh Babu



RGM CET, Nandyal, provides strong support to economically weaker students to help them continue their education without financial stress. The college facilitates government scholarships, fee reimbursement schemes, and free ship programs for eligible students. It also offers instalment options for fee payment and provides access to library resources, internet facilities, and learning materials at low or no cost. Through mentoring, counselling, and career guidance, RGM CET ensures that students from low-income families get equal opportunities to succeed in their academic and professional life.

Rajeev Gandhi Memorial College of Engineering and Technology (RGM CET), Nandyal, is committed to inclusive education by creating a supportive environment for students from economically disadvantaged backgrounds. The institution encourages students to apply for central and state government welfare schemes and provides guidance to complete the application process. RGM CET also conducts free remedial classes, skill development programs, and placement training to improve employability. Through these academic and support services, the college helps students overcome financial challenges and build a secure future.

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
RGM CET Poor Student Welfare Association

Sl.No	Month & Year	Name of the Student	Amount Given	Cheque No	Signature of the Student
852	Nov 2024	B. Mahalakshmi (22-4A1)	5000/-	276415	B. Mahalakshmi
853	Dec 2024	G.B. Brahmaiah (21-526) (Nov + Dec)	1000/-	276417	G.B. Brahmaiah
854	Dec 2024	A. Pravalika (22-091A0460) (July 2024 to Feb)	5000/-	276418	A. Pravalika
855	Feb 2025	U. Supraja (24091A32HS) (July 2024 to April 2025)	5000/-	276419	U. Supraja
856	Mar 2025	G. Brahmaiah (21091A0526) Jan 2025 to 02/25	1500/-	276420	G. Brahmaiah
857	Mar 2025	K. Manoj Kumar (22-3277)	5000/-	276421	Cancelled.
858	Mar 2025	K. Vishnu Varshav (22095A0520)	5000/-	276422	K. Vishnu
859	Mar 2025	K. Manoj Kumar (22-3277)	5000/-	276423	
860	Apr 2025	T. Siva Sai Simhadri	2000/-	276424	
861	Apr 2025	Y. S. Harishini PM	5000/-	276425	
862	Apr 2025	D. Naseema	5000/-	276426	
863	July 2025	U. Supraja (24091A32HS) July 2025 to April 2026	5000/-	276427	U. Supraja
864	July 2025	K. Sai Kumar Simhadri Single Payment	10,000/-	276428	Single Payment

ea/s/ol
2/25

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
RGM CET Poor Student Welfare Association

Sl.No	Month & Year	Name of the Student	Amount Given	Cheque No	Signature of the Student
835	Nov 2023	G. Brahmaiah (21-526) (Sep - Nov 2023)	1500/-	276403	G. Brahmaiah
839	Dec 2023	T. Siva Sai Simhadri (22-559) (July 2023 to Dec)	3000/-	276404	T. Siva Sai Simhadri
840	Jan 2024	G. Brahmaiah (21-526) (Dec 2023, Jan 2024)	1,000/-	276405	G. Brahmaiah
841	Mar 2024	T. Siva Sai Simhadri (22-559) Jan 2024 to Mar 2024	1500/-	276406	T. Siva Sai Simhadri
842	Apr 2024	T. Siva Sai Simhadri (22-559) April 2024	500/-	276407	T. Siva Sai Simhadri
843	May 2024	G. Brahmaiah (21-526) Feb 2024 to April 2024	1500/-	276408	G. Brahmaiah
845	July 2024	B. Lavanya (21-487) July 2024 to April 2025	5000/-	276409	B. Lavanya
846	Aug 2024	M. Prasanna (21-405)	5000/-	276410	M. Prasanna
847	Aug 2024	G.B. Brahmaiah (21091A0329) (July & Aug)	1000/-	276411	G. Brahmaiah
848	Aug 2024	G. Pavan Kalyan (21091A0329) (July)	500/-	276412	G. Pavan Kalyan
849	Oct 2024	G. Brahmaiah (Sep + Oct)	1000/-	276413	G. Brahmaiah
850	Dec 2024	T. Siva Sai Simhadri (22-559) (July 2024 to Dec 2024)	3,000/-	276416	T. Siva Sai Simhadri
851	Nov 2024	S. Sri Latha (22-4K3)	5000/-	276414	S. Sri Latha

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
RGM CET-Poor Student Welfare Association

Sl.No	Month & Year	Name of the Student	Amount Given	Cheque No	Signature of the Student
825	Feb 2022	M. Prasanna (21091A04DS)	1,500/-	276390	M. Prasanna
826	March 2022	T. Dileep Kumar Reddy (19-110 Nov to 2022)	2,500/-	276391	T. Dileep Kumar Reddy
827	March 2022	B. Pavani	10,000/-	276392	B. Pavani
828	August 2022	M. Prasanna (21091A04DS) (March to August)	3,000/-	276393	M. Prasanna
829	SEP 2022	T. Dileep Kumar Reddy (Apr. May Aug+Sep)	2,000/-	276394	T. Dileep
830	January 2023	B. Lavanya 21091A0481 (July 2022-2023)	5000/-	276395	B. Lavanya
831	Feb 2023	T. Siva Sai Simhadri (21091A0509)	10,000/-	276396	T. Siva Sai Simhadri
832	May 2023	G. Brahmaiah (21091A0526)	500/-	276397	G. Brahmaiah
833	June 2023	G. Brahmaiah (21-526)	500/-	276398	G. Brahmaiah
834	Aug 2023	G. Brahmaiah (21-526)	1000/-	276399	G. Brahmaiah
835	Oct 2023	M. Prasanna (21-4DS)	5000/-	276400	m. prasanna
836	Oct 2023	S. Farhana (21-443)	10,000/-	276401	Farhana. Shaib.
837	Oct 2023	B Lavanya (21-481) July 2023 to 2024	5,000/-	276402	B Lavanya

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL
RGM CET Poor Student Welfare Association

Sl.No	Month & Year	Name of the Student	Amount Given	Cheque No	Signature of the Student
865	July-2025	K. Sai Kumar	5,000/-	276427	July-2025 to April-2026 K. Sai Kumar
866	July 2025	G. Pavan Kalyan	5,000/-	276430	G. Pavan Kalyan
867	August-2025	T. Ajay Kumar	5,000/-	276431	July-2025 to April-2026 T. Ajay Kumar
868	July-2025	M. Thayanna	5,000/-	276432	July-2025 to April-2026
869	July-2025	P. Pravalika	5,000/-	276433	July-2025 to April-2026
870	July-2025	A. Pravalika	5,000/-	276434	July-2025 to April-2026
871	Nov-2025	M. Viswas Raju	5,000/-	276435	July-2025 to April-2026

Multidisciplinary / Interdisciplinary

The Vision of National Education Policy, to provide high quality education to develop human resources in our Nation as global citizens, is well taken by the RGM CET. A discussion among the faculty members were initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity. In view of the NEP, RGM CET has initiated new interdisciplinary centres integrating different departments in addition to the existing inter/multidisciplinary research and academics. Academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses (open electives) offered by other Departments. It can be said that the RGM CET is proactively working towards implementation of the suggestions given in the NEP. Faculty members are encouraged to take up the interdisciplinary or community development research work by identifying the problems in the society.

Skill development

UGC has introduced DDU KAUSHAL KENDRAS (DDUKK) for promoting vocational education in continuation to its initiatives for introducing community colleges and B.Voc Programmes realizing the importance and the necessity for developing skills among students, and creating work ready manpower on large scale. RGM CET is one of the institute to implement this concept to start its own DDUKK sanctioned by UGC under self-finance mode. Vocational programmes are introduced based on National Skill Qualification Framework (NSQF). RGM CET aims at providing quality vocational education through DDUKK combining class room centered formal education and training with experience sharing of Industry practitioners and internships in business houses. The focus is towards integrated knowledge acquisition and upgrading human skill towards creating a new league of employable youth. Teaching and training methodology of courses offered under DDUKK are designed accordingly. Our MBA programme is designed in such a way to mould future managers thoroughly conversant with the application of tools and techniques of modern management practices in order to align with the Government of India's National Skills Qualification Framework (NSQF) and requirements of Industry 4.0. This newly adopted curriculum and the training imparted will help management programme aspirants to get fully trained in accordance with NSQF's National Occupational Standards (NOS) developed by Sector Skills Councils (SSC) and requirements of Industry 4.0 so as to enhance the employability for our graduates as per the industry's current human resources requirements. All these steps are marching towards the implementation of NEP in the real sense. The programme structure and contents adhere to the UGC guide lines for vocational programmes in line with National Skill Qualification Framework (NSQF). The programme offers multiple entry and exit options to students where each exit point is linked to a specific job role as specified in NSQF. We offered only three certificate programs namely i) Computer Harder ii) Computer Network Maintenance and iii) IT/ ITes with 50 members in each course. After conferment of Autonomous status in 2010 the institute has introduced 06 additional labs and 06 skill development courses in each branch of engineering to the skills of the students.

Indian Knowledge system

RGM CET encourages learning of National Language of Hindi. Programmes including webinars and seminars are offered / registered to encourage Hindi learners and understand the cultural values permeated by the literary works in Hindi. Courses namely Environmental Science, Induction Program, Indian Constitution, Essence of Indian Traditional Knowledge and Universal Human Values(Credit) are incorporated in the curriculum.

POLICY DOCUMENT ON DISABLED-FRIENDLY, BARRIER FREE ENVIRONMENT

The main objectives of the "Persons with Disabilities" (Equal Opportunities, Protection of Rights and Full Participation) Act, 1996 enacted by the Government of India on February 7, 1996 are to create barrier free environment for persons with disabilities and to make special provisions for the integration of persons with disabilities into the social mainstream. It enjoins upon the institution to ensure within their economic capacity provision for installation of facilities for the benefit of persons with visual handicaps, kerbs and slopes to be made in pavements for the easy access of wheel chair users, devising appropriate symbols of disability and warning signals at appropriate places. In regard to non-discrimination in the built environment, provisions have been made for ramps in Academic buildings, adaptation of toilets for wheel chair users, Braille symbols and proper signage and elevators.

The Institute propagates and strategizes to promote equal right and access to education for all those who are underprivileged with physical disability. It is vigilant to the fact that despite a highly regulated and complex education framework of the nation, it should be easily available for the students with "special needs".

Moreover, the Persons with Disabilities Act 1996 indicates that differently-abled persons should have access to education at all levels. In view, this Institute has created Disability Support Facilities (DSF) at RGM CET to provide access to the differently abled students of the Institute to varied programs, services, activities. Besides, the DSF also would encourage them for the highest levels of academic and personal achievement; and advocate an accessible environment for them. The policy has been devised to promote the holistic development of differently abled students. Also, the Institute strives to create accessory and homely ambience and facilities for these students. It takes care to nurture them right from helping them to seek admission till they pass out from the Institute.

Objectives:

- To facilitate admission of persons with disability by following Rules & Regulations and Policies of the States and Central Governments
- To provide counselling to differently-abled individuals in the Institute for better learning support.
- To provide guidance to avail various fellowships / scholarships of different funding agencies.
- To create awareness about the needs of persons with disabilities and other general issues concerning disabilities.
- To provide equal educational opportunities to disabled persons in the Institute.
- To provide infrastructural needs to enable them to easily access classrooms, laboratories, toilets, etc for barrier free learning environment.
- To explore the full participation and equality as well as suitable placement opportunities for educated disabled graduates in public as well as private sector enterprises.
- To adequately support learners with disabilities with the right resources and assistive technology, and with leadership, teaching staff and University as a whole being responsive to their needs.
- To ensure the accessibility of software tools and technology for the people with disabilities.
- To Provide the Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading.

Categories of the Disability:

As per the guidelines of the University Grants Commission and the Ministry of Social Justice & Empowerment, the Ministry of Human Resource Development, Government of India, the "Disability" is classified in the following categories:

Blindness

Low vision

Leprosy-cured

Hearing impairment

Loco motor disability

Mental illness

Mental retardation

Actions Initiated by the College:

The College provide the following provisions to the differently-abled students (Physically Challenged students) as mentioned below.

- Providing the scribe to blind students as per the norms of the College.
- Providing the scribe to those who are incapable of using hands due to accident/illness.
- The hostel rooms in the hostels are allocated to the differently-abled students in the ground floor only.
- The College has ramps with railings on both sides almost at all the departments to let tricycles pass freely directly to the classrooms.
- The College shall maintain the complete database of differently-abled students, their addresses with phone numbers in order to facilitate the communication and other requirements. It will be continuously monitoring the facilities and assistance in the matters of differently-abled Persons.
- Encouraging the disabled students to take part in the sports and cultural events and the winners/active participants of such events will be felicitated.
- Provision of guidance and counselling to differently abled individuals.
- Signage of tactile path and Display Boards.
- On campus medical facility.
- Provision of Screen reading Software.
- Provision of Human assistance to disabled students.

9.13 Faculty Performance Appraisal and Development System (FPADS (10)

Total Marks 10.00

The Faculty Performance Appraisal and Development System (FPADS) is used to systematically evaluate faculty members performance in higher education institutions.

The evaluation is based on a variety of variables that measure faculty contributions in academic, research, professional and administrative areas.

1. Teaching and Learning Activities:

Faculty effectiveness in teaching is evaluated based on successful course delivery, lesson plan preparation, timely syllabus completion, and the use of innovative teaching techniques such as ICT tools, presentations, and practical demonstrations. Student input is recognised as an important criterion for determining classroom effectiveness. Faculty involvement in mentoring students, conducting tutorials, scheduling assignments, and overseeing projects is assessed to ensure excellent learning outcomes.

2. Research and innovation:

Faculty members are evaluated based on their research contributions, which include publications published in prestigious journals, presentations at conferences, and patent applications. Participation in funded research efforts, supervision of postgraduate or doctoral programs, and collaboration with colleague academics or institutions are all taken into consideration. These activities help instructors remain up to date on current developments while also promoting knowledge production and creativity.

3. Curriculum Development:

Faculty members are assessed based on their contributions to curriculum development and improvement. This includes developing course structures, preparing study materials and laboratory instructions, and incorporating modern technology into the curriculum. Participating in Board of Studies meetings and making changes to course material are essential components of the assessment process. This ensures that the curriculum remains relevant to industry needs and current technological advancements.

4. Professional Development:

Faculty performance is evaluated based on their participation in Faculty Development Programs (FDPs), workshops, seminars, conferences, and training programs. These exercises help instructors improve their topic competence and teaching abilities. Ongoing education and staying current with emerging technologies improve the quality of teaching and research inside the institution.

5. Industry and Community Engagement:

Faculty are encouraged to collaborate with industry and assist in community development. Evaluations are conducted for consultancy contracts, industrial visits, internships, and industry-sponsored programs. Faculty involvement in extension activities, awareness campaigns, and social projects is also considered, allowing academic knowledge to be applied to real-world challenges.

6. Administrative Responsibilities:

Faculty members are responsible for various administrative responsibilities at the institution. Their performance is evaluated based on responsibilities such as committee participation, planning academic events, monitoring departmental records, scheduling exams, and supporting institutional activities. Efficient administration ensures that the institution runs smoothly.

7. Self-Evaluation and Assessment:

Faculty members use the FPADS system to submit a self-evaluation report describing their successes in teaching, research, and institutional activities during the academic year. This report is reviewed by the Department Head and other senior authorities. The evaluation provides feedback and suggestions to improve performance and support professional growth.

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL

AUTONOMOUS

DEPARTMENT OF E.C.E

SELF-APPRAISAL FORM FOR TEACHERS

Academic year:	Semester:
1. Name of the staff	:
2. Designation	:
3. List of subjects handling in this semester with branch and year	:
4. Results of the previous semester subjects	:

- 5. Punctuality & Regularity in taking Classes :
- 6. Good preparation to handle the Classes :
- 7. Giving scope for clarification of Doubts/ interaction :
- 8. If the results are poor, analysis is carried on taking various parameters :
- 9. Regular feedback from students for their proper correcting suggestion :
- 10. Type & No. of Assignments :
- 11. Extra classes handling :
- 12. GATE (or) Competitive exams Coaching :
- 13. Conduction of seminars & GDs :
- 14. Qualification enhancement plans :
- 15. Quality improvement plans :
- 16. Your contribution to the Dept. :
- 17. Your contribution to the college :
- 18. Any special things (Publications, Awards, etc.) ;

Signature of the Faculty with Name and Date

9.14 Outreach Activities (5)

Total Marks 5.00

The RGM CET actively engages in outreach programs aimed at addressing societal needs and promoting technical awareness among the community. These initiatives are designed to bridge the gap between academic knowledge and real-world applications while fostering social responsibility among students and faculty.

The college organizes various outreach activities such as technical workshops, awareness campaigns, skill development programs, and community service initiatives. Faculty members and students collaborate to identify local issues and provide sustainable solutions using engineering principles.

Key outreach initiatives include:

- 1) **Technical Awareness Programs:** Conducting workshops for school students on basic engineering concepts, robotics, coding, and emerging technologies to inspire interest in STEM fields.
- 2) **Skill Development Programs:** Offering training sessions for unemployed youth in areas such as computer skills, electrical maintenance, and basic mechanical operations to enhance employability.
- 3) **Environmental Awareness Campaigns:** Organizing tree plantation drives, waste management awareness programs, and energy conservation initiatives.
- 4) **Health and Safety Programs:** Conducting health camps, road safety awareness drives, and sessions on workplace safety in collaboration with local authorities.

Students actively participate in these programs through organizations like NSS and technical clubs, which help them develop leadership, teamwork, and problem-solving skills.

The outcomes of these outreach programs include improved community engagement, enhanced practical exposure for students, and the development of socially responsible engineers. Feedback from beneficiaries is regularly collected and used to improve future initiatives.

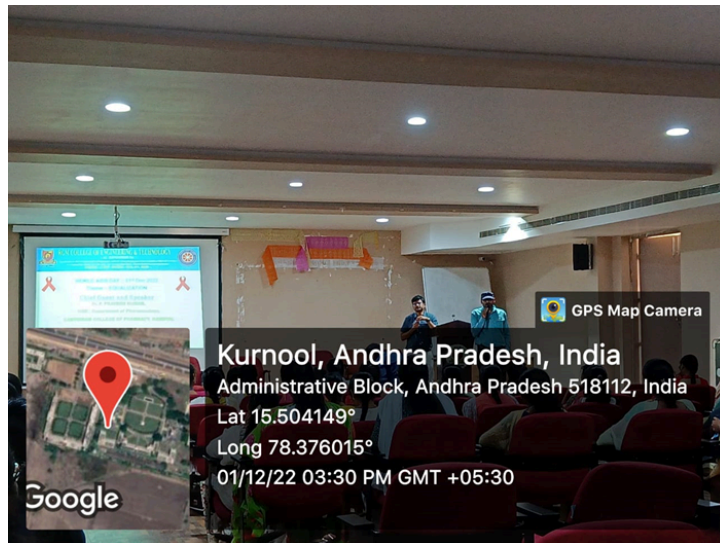
Overall, the institution's outreach efforts reflect its commitment to societal development and align with the objectives of outcome-based education.

CAY 2022-23

AWARENESS ON AIDS HIV







World Environment Day Plantations









Blood Donation Camp



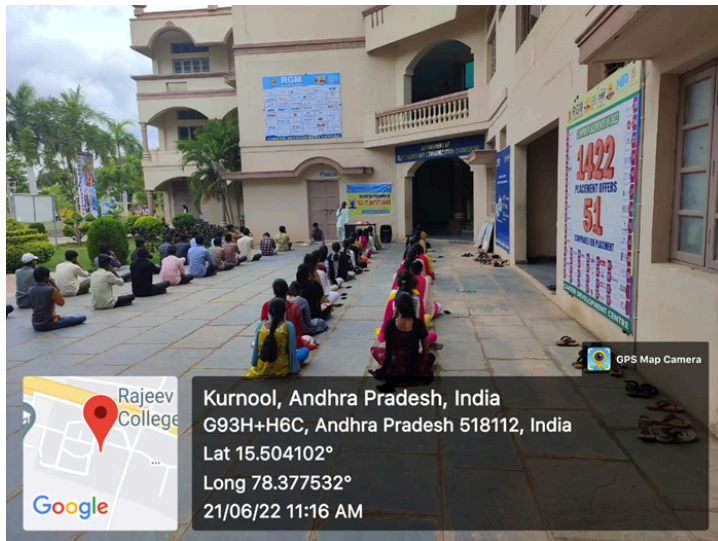
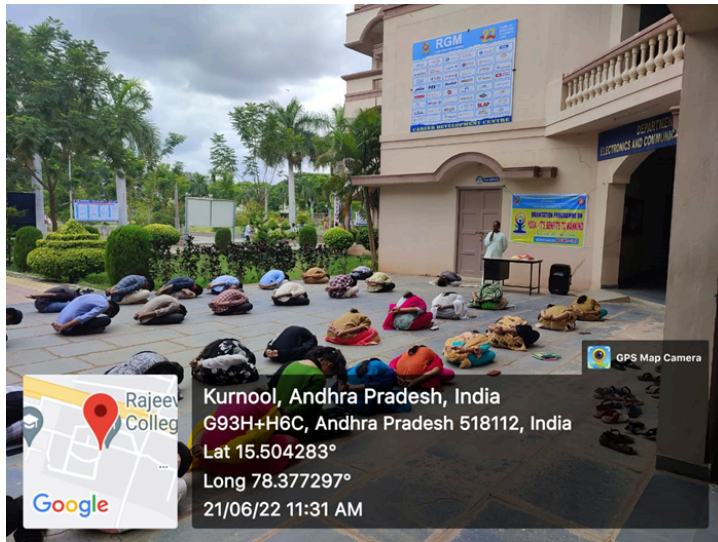
Energy Conservation Day





World Yoga Day







National Constitution Day



National Voters Day



CAY 2023-24

WORLD ENVIRONMENT DAY

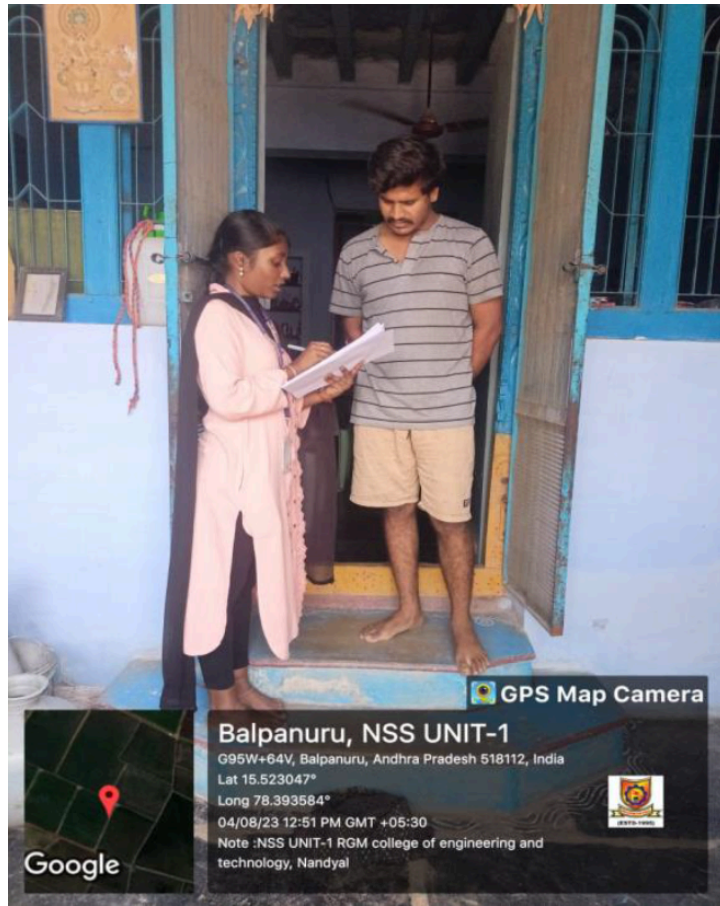


INTERNATIONAL DAY OF YOGA





Survey of Youth Not in Formal Education or Regular Employment



Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

(B) PROGRAM SPECIFIC OUTCOME (PSOs)
Program should specify 2-4 program specific outcomes.

PSO1	Students are able to analyze and design the electronic circuits with the knowledge of courses related circuits, networks, linear digital circuits and analog electronics
PSO2	Students can explore the scientific theories, ideas, methodologies in operation and maintenance of communication systems to bridge the gap between academics and industries
PSO3	Students are able to work professionally with new cutting-edge Technologies in the fields of electronic design, communication and automation

Declaration

The head of the institution needs to make a declaration as per the format given -

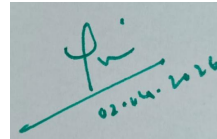
- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Name : Dr.T.Jayachandra Prasad

Designation : Principal

Signature :



Seal of The Institution :



Place : RGM CET-Nandyal, Andhra Pradesh

Date : 02-04-2026 18:32:02