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RAJEEV GANDHI MEMORIAL COLLEGE OF ENGG., & TECH.,

(AUTONOMOUS)

NANDYAL – 518 501, KURNOOL (Dist), ANDHRA PRADESH, INDIA

DEPARTMENT OFMECHANICAL ENGINEERING

(ESTD-1995)

NBA ACCREDITATION REPORTS OF THE PAST VISITS

NATIONAL BOARD OF ACCREDITATION

APPLICATION NO: 5573 - 26 / 05 / 2021

Approved by AICTE, New Delhi, Affiliated to J.N.T.U.A, Anantapuramu

Accredited by NAAC with 'A+' Grade

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NBA ACCREDITATION REPORTS OF THE PAST VISITS

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NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 Telefax: +91 11 2436 0682
Website: www.nbaind.org

2/10/2017

File No. 11-04/2010/NBA

To

The Principal
Rajeev Gandhi Memorial College of Engineering & Technology,
Nandyal,
Andhra Pradesh- 518501

Subject: Decision on appeal against non-accreditation of UG Civil Engineering and Mechanical Engineering programs of Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal, Andhra Pradesh- 518501.

Sir,

This has reference to Appeal dated 13-07-2017 filed by you against the decision of NBA for not granting accreditation to the following UG Engineering programs of your Institute communicated vide NBA's letter of even number dated 08-06-2017:

1. Civil Engineering
2. Mechanical Engineering

2 The Appeal was considered by the Appellate Committee of NBA in its meeting held on 22-08-2017. The recommendation of the Appellate Committee was considered by the Competent Authority in NBA. Based on the decision taken, accreditation status of the programs is given in the table below:

S.No.	Name of the Program (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Civil Engineering	Tier I January 2016 Document	Provisionally Accredited	Academic Years 2017-2018 to 2019-2020 i.e. upto 30-06-2020	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier.
2.	Mechanical Engineering		Provisionally Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted provisional accreditation. **Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal, Andhra Pradesh- 518501** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible to be considered by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a revisit, as deemed appropriate by NBA Committees.

Dr. T. JAYACHANDRA PRASAD
M.E,Ph.D.,FIE,FIETE,MNAFEN,MISTE,MIEEE
PRINCIPAL
R G M College of Engg. & Tech.
(Autonomous)
NANDYAL-518 501, Kurnool(Dt), A.P.

Contd.../-

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5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal, Andhra Pradesh- 518501** as a whole. **As such the Institution should nowhere along with its name including on its letter head etc., write that it is accredited by NBA because it is program accreditation and not Institution accreditation**. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name and level of the programs accredited and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of your Institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Copy to:

1. The Principal Secretary (Higher Education),
   Government of Andhra Pradesh,
   J Block, 4th Floor, Secretariat Building,
   Hyderabad-500022.

2. The Special Commissioner
   Directorate of Technical Education
   5th and 6th Floor, B.R.K.R. Bhuvan,
   Tankbund Road, Saifabad
   Hyderabad- 500063, Andhra Pradesh

3. The Vice Chancellor,
   Jawahar Lal Nehru Technological University,
   Anantapur, Andhra Pradesh 515002

4. Accreditation File

5. Master Accreditation file of the State.

Dr. T. JAYACHANDRA PRASAD
M.E,Ph.D.,FIE,FIETE,MIAFEN,MISTE,MIEEE
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PART A

Evaluator's Visit Report

Undergraduate Engineering Program

Tier-I

Name of the Institution

Rajeev Gandhi Memorial College of Engg & Tech, Nandyal

Name of the Program

UG Mechanical Engineering

Visit Dates

24th - 26th March, 2017

NATIONAL BOARD OF ACCREDITATION
NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi 110003
Tel: +91 112430620-22; 01124360654; www.nbaind.org

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Program Evaluator Summary

Overview

The Expert team of National Board of Accreditation (NBA) conducted a three day accreditation visit from 23.3.17 to 24.3.17 to RGM College of Engg. & Tech. to evaluate UG Engineering program Mechanical Engineering.

Pre visit meeting of the expert team was held on 23.3.17 at 3.00 PM (Hotel) to exchange the respective findings with the evaluation team members, based on review of Self-Assessment Report (SAR) and the pre-visit evaluation reports.

During the visit, the visiting team met with Head of the Institution/Dean Dr. T. Jayachandra Prasad The briefing on the institution was given by Dr. T. Jayachandra Pd and on the program was given by the Head, Mech. Engg. Dept. Prof. S. Altaf Husain The respective program evaluators also visited the various facilities of the program. Apart from comprehensive review of documental evidences pertaining to various accreditation criteria, the visiting team also held meeting and discussions with the following stakeholders (kindly tick).

Faculty	☑	Alumni	☑
Employers	☑	Parents	☑
Staff members	☑	Students	☑

The Program Evaluation Team found that (general findings about the program to be mentioned)

1. The college building, infrastructure, and its environment is upto the mark.
2. The stake holders are not well informed about PEOs/PSOs/Vision/mission of the department and the curriculum is not based as per out come based education (OBE) requirements.
3. The department requires more teaching and technical staff. At present the labs are not quite cramped and important experimental set ups and equipment such as bitkrelt are not available.
4. The sitting space for teachers are insufficient and class room accoustics and OHP are lacking.
5. The department is quite weak in industrial/institute and institute – institute interaction. No worthwhile industrial consultancy projects are carried out by the department.

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Program Details

Name of the Program				
Year of Commencement	1995			
Student	Year	Sanctioned Intake	Actual Admitted	
	CAY (2015 - 2016)	240	207	
	CAY m1 (2014 - 2015)	180	172	
	CAY m2 (2013 - 2014)	120	119	
	Total Students in the Programme 1st to Final Year	721		
	Averaged over three assessment years	240		
Placement %	CAY (2015 - 2016)	42 %		
	CAY m1 (2014 - 2015)	38 %		
	CAY m2 (2013 - 2014)	40 %		
	Averaged over three assessment years	40 %		
Faculty (Attach a Copy of faculty list compared with Time Table)	Regular	Professor	04	
		Associate professor	02	
		Assistant professor	29	
	Ad-hoc	Professor		
		Associate professor	/	
		Assistant professor		
	Contractual	Professor		
		Associate professor	/	
		Assistant professor		
	Student-Teacher ratio	26		
	Visiting/guest faculty (Total Numbers of Hours)	No evidence provided.		
Previous accreditation(if any)	First accreditation	No. of years accredited for	3 years	
		With effect from	2003 - 2006	
	Previous accreditation	No. of years accredited for	2 years.	
		With effect from	11-10-2013 to 10-11-2015	

CAY: Current Assessment Year
CAYm1: Current Assessment Year minus 1
CAYm2: Current Assessment Year minus 2

V. Vijaya Bhaskar Reddy

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Explicit observations about the program

(Please use additional sheets if necessary to elaborate)

Program title U.G. Mechanical Engineering.

Strengths:

1. Good and spacious building and infrastructure.
2. No of admissions to the Course is very satisfactory.
3.
4.
5.

Concerns:

1. Curriculum and laboratory work is not designed as per the requirement of outcome based education.
2. Student projects are not industry based. Most of project work content and quality not upto the mark
3. PEOs/POs/PSOs correlation and analysis not fully developed.
4. Department need more faculty and Technical staff
5. Laboratories are insufficient to cater to the needs of large sanctioned strength. These need to be modernised with new systems and more setup. Steam Turbine & boiler has not yet been procured, Force measuring equipment and surface finish measuring equipment almost available

Weakness/Areas of improvement:

1. More interaction with industry through industrial visits and project work. is
2.
3.
4.
5.

V. Narsimha Rao

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Deficiencies:

1. Negligible industrial Consultancy. All faculty not involved in industrial R&D and Consultancy.
2. Placement of students in Core areas and good Companies is not significant.
3.
4.
5.

Other Observations, if any:

1. Cleanliness and upkeep of class rooms, laboratories, and building needs attention. Insufficient sitting space and no of faculty rooms for the staff. Acoustics in the class rooms not upto the mark. OHP facilities not available in all the class rooms.
2.
3.
4.
5.

S. Narinja Thota

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Information for Evaluation

Y=75% & Above; C=60% and < 75%; W=40% and <60%; D<40%.

Award of Accreditation

Full Accreditation for 6 years

Without Concerns (Y) ≥ 7; Concerns (C) ≤ 3; Weakness (W) = 0; Deficiency (D) =0.

In addition, at least 30% of the required Faculty shall be Ph. D and also the enrolment of students shall be ≥ 75%.

Full Accreditation of the program may be considered after three months

Without Concerns (Y) ≥ 7; Concerns (C) ≤ 2; Weakness (W) ≤ 2; Deficiency (D)= 0.

In addition, the Criterion 5: Faculty Information and Contribution should not have any Weakness (W).

Provisional Accreditation for 3 years

Without Concern (Y) ≥ 4 (has full compliance). Deficiency (D) ≤2.

In addition, the Criterion 5: Faculty Information and Contribution should not have Deficiency (D) and at least two Professors or one Professor and one Associate Professor available in the respective department.

No Accreditation

Deficiency (D) >2 OR Without Concern (Y) < 4 OR Deficiency (D) in Criterion 5: Faculty Information and Contribution and non-availability of two Professors or one Professor and one Associate Professor in the respective department.

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Department/Programme Specific Criteria:

S. No.	Criteria	Max. Marks	Marks Awarded	Grade (Y, C, W, D)	Remarks
1	Vision, Mission and Program Educational Objectives	50	38	Y	
2.	Program Curriculum and Teaching-Learning Processes	100	66	C	
3.	Course Outcomes and Program Outcomes	175	120	C	
4.	Students' Performance	100	63	C	
5.	Faculty Information and Contributions	200	93	W	
6.	Facilities and Technical Support	80	52	C	
7.	Continuous Improvement	75	32	W	
	TOTAL	780	464		

V. Vaiya Thiv
Signature
(Program Evaluator 1)

S. Yadav
Signature
(Program Evaluator 2)

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Declaration of Conformity with evaluator's report by the Team Chair

I agree with the observations of the program evaluators on each criterion. ☑

Or

I agree with most of the observations of the program evaluators. However, I have following comments to make on certain criteria:

Criteria	Comments

M. R. Rai

Signature
(Chairperson)

Part B-Program Assessment Worksheet
Program Level Criteria - To be Assessed by Evaluator

Name of the Institution Rajeev Gandhi Memorial College of Engg. & Tech, Nandyal
Name of the Program U.G Mechanical Engineering

Criterion 1: Vision, Mission and Program Educational Objectives (50)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines (Marks)	Marks Awarded		Overall		Observations of Evaluators (Provide Justifications/ Reasons)
				Marks	Total	Marks	Grade (Y,C,W,D)	
1.1	State the Vision and Mission of the Department and Institute	5	A. Availability of statements of the department (1)	1	4	Overall Marks for 1.1: 4	Overall Grade for 1.1: Y	–
			B. Appropriateness/Relevance of the Statements (2)	2				
			C. Consistency of the Department statements with the institute statements (2)	1				
1.2.	State the Program Educational Objectives (PEOs)	5	Program Educational Objectives (3 to 5) (5) Availability & correctness	4	4	Overall Marks for 1.2: 4	Overall Grade for 1.2: Y	
1.3.	Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders	15	A. Adequacy in respect of publication & dissemination (3)	2	10	Overall Marks for 1.3: 10	Overall Grade for 1.3: C	stakeholders do not have awareness of PEOs.
			B. Process of dissemination among stakeholders (3)	2				
			C. Extent of awareness of Vision, Mission & PEOs among the stakeholder, i.e., primarily faculty and students (9)	6				
1.4	State the process for defining the Vision and Mission of the Department, and PEOs of the program	15	A. Description of process for defining the Vision, Mission of the Department (7)	6	12	Overall Marks for 1.4: 12	Overall Grade for 1.4: Y	
			B. Description of process for defining the PEOs of the program (8)	6				
1.5	Establish consistency of PEOs with Mission of the Department	10	A. Preparation of a matrix of mapping PEOs and elements of Mission statement (5)	4	8	Overall Marks for 1.5: 8	Overall Grade for 1.5: Y	
			B. Consistency/justification of mapping of the matrix (5)	4				
Total of Criterion 1:		50	Overall Marks and Grade for Criterion 1:			39	Y	

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Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

Criterion 2: Program Curriculum and Teaching – Learning Processes (100)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overall: Marks	Overall: Grade (Y,C,W,D	Observations of Evaluators (Provide Justifications/ Reasons)
2.1.	Program Curriculum	30				Overall Marks for 2.1	Overall Grade for 2.1	
2.1.1.	State the process for designing the program curriculum	10	Process used to demonstrate how the program curriculum is evolved and periodically reviewed considering the POs and PSOs. Also consider the involvement of the industry	7	7			Curriculum not designed to meet the requirements of outcome Based Education (OBE
2.1.2.	Structure of the Curriculum	5	Refer to SAR: Expectation in 2.1.2 & 2.1.3 is that the curriculum is well balanced structure & appropriate for a degree program	4	4			
2.1.3.	State the components of the curriculum	5	Refer to SAR: Expectation in 2.1.2 & 2.1.3 is that the curriculum is well balanced structure & appropriate for a degree program	4	4			
2.1.4.	State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes(POs) & Program Specific Outcomes(PSOs)	10	Process used to identify extent of compliance of curriculum for attaining POs & PSOs	6	6			Process for attainment of PSOs not illustrated.
2.2.	Teaching-Learning Processes	70						
2.2.1	Describe the Process followed to improve quality of Teaching Learning	15	A. Adherence to Academic Calendar (2)	2	12	Overall Marks for 2.2	Overall Grade for 2.2	
			B. Pedagogical initiatives (2)	1				
			C. Methodologies to support weak students and encourage bright students(2)	2				
			D. Quality of classroom teaching (Observation in a Class) (2)	1				
			E. Conduct of experiments (Observation in Lab)(2)	2				
			F. Continuous Assessment in the laboratory (3)	3				
			G. Student feedback on teaching learning process and actions taken (2)	1				
2.2.2.	Quality of end semester examination, internal semester question papers, assignments and evaluation	15	A. Process for internal semester question paper setting, evaluation and effective process implementation (3)	2	10			Question papers not designed to meet OBE requirements
			B. Process to ensure questions from outcomes/learning levels perspective (2)	1				
			C. Evidence of COs coverage in tests/ mid-term tests (5)	3				
			D. Quality of Assignment and its relevance to COs (5)	4				

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Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

2.2.3.	Quality of student projects	20	A. Identification of projects and allocation methodology to Faculty (2)	1	14	45		• Student proj. not related to industry • Quality of most of projects needs attention.
			B. Types and relevance of the projects and their contribution towards attainment of POs and PSOs(2)	2				
			C. Project related to Industry (3)	1				
			D. Process for monitoring and evaluation (2)	2				
			E. Process to assess individual and team performance (3)	2				
			F. Quality of completed projects,'working prototypes (5)	4				
			G. Evidences of papers published /Awards received by projects etc. (3)	2				
2.2.4.	Initiatives related to industry interaction	10	A. Industry supported laboratories (2)	NIL	4			• Impact analysis of industry – institute interaction not carried out • Industry involvement in partial delivery of courses not visible.
			B. Industry involvement in the program design and Curriculum (3)	2				
			C. Industry involvement in partial delivery of any regular courses for students (3).	2				
			D. Impact analysis of industry institute interaction and actions taken thereof (2)	NIL				
2.2.5.	Initiatives related to industry internship/summer training	10	A. Industrial training/tours for students (2)	1	5			• Internship not part of curriculum. •
			B. Industrial internship /summer training of more than two weeks and post training Assessment (3)	2				
			C. Impact analysis of industrial training (2)	NIL				
			D. Student feedback on initiative (3)	2				
otal of Criterion 2:		100	Overall Marks and Grade for Criterion 2:			66	C	

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nature (Program Evaluator 1)

Signature (Program Evaluator 2)

Criterion 3: Course Outcomes and Program Outcomes (175)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overall: Marks	Overall: Grade (Y,C,W,D)	Observations of Evaluators (Provide Justifications/ Reasons)
3.1.	Establish the correlation between the courses and the POs & PSOs	25	A. Evidence of COs being defined for every course (5)	4	18	Overall Marks for 3.1	Overall Grade for 3.1	POs/PSOs correlation of courses not fully established.
			B. Availability of COs embedded in the syllabi (5)	4				
			C. Explanation of Course Articulation Matrix table to be ascertained (5)	3				
			D. Explanation of Program Articulation Matrix tables to be ascertained (10)	7				
3.2.	Attainment of Course Outcomes	75				Overall Marks for 3.2	Overall Grade for 3.2	
3.2.1	Describe the assessment tools and processes used to gather the data upon which the evaluation of Course Outcome is based	10	A. List of assessment processes (2)	2	7			Assessment process need to be relooked for realistic evaluation of POs / PSOs as most of the values are more than 100 %
			B. The quality /relevance of assessment processes & tools used (8)	5				
3.2.2.	Record the attainment of Course Outcomes of all courses with respect to set attainment levels	65	Verify the attainment levels as per the benchmark set for all courses (65)	45	45			No benchmark developed
3.3.	Attainment of Program Outcomes and Program Specific Outcomes	75				Overall Marks for 3.3	Overall Grade for 3.3	
3.3.1.	Describe assessment tools and processes used for assessing the attainment of each of the POs & PSOs	10	A. List of assessment tools & processes (5)	4	7			
			B. The quality/relevance of assessment tools/processes used (5)	3				
3.3.2	Provide results of evaluation of each PO & PSO	65	A. Verification of documents, results and level of attainment of each PO/PSO (50)	35	43			Verification not fully illustred.
			B. Overall levels of attainment (15)	8				
Total of Criterion 3:		175	Overall Marks and Grade for Criterion 3:			120	C	

Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

Criterion 4: Students' Performance (100)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overall: Marks	Overall: Grade (Y,C,W,D)	Observations of Evaluators (Provide Justifications/ Reasons)
4.1.	Enrolment Ratio (20)	20	A. >= 90% students enrolled at the First Year Level on average basis during the period of assessment (20) B. >= 80% students enrolled at the First Year Level on average basis during the period of assessment (18) C. >= 70% students enrolled at the First Year Level on average basis during the period of assessment (16) D. >= 60% students enrolled at the First Year Level on average basis during the period of assessment (14) E. Otherwise '0'.	20	20	Overall Marks for 4.1: 20	Overall Grade for 4.1: Y	
4.2.	Success Rate in the stipulated period of the program	20				Overall Marks for 4.2: 14	Overall Grade for 4.2: C	
4.2.1.	Success rate without backlogs in any Semester/year of study Without Backlog means: No repeat(s) in any course in any semester/year of study	15	SI= (Number of students who graduated from the program without repeat(s) in any course)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = Mean of success index (SI) for past three batches Success rate without backlogs in any year of study = 15 × Average SI	10	10			10.53 Mention Numbers
4.2.2.	Success rate with backlog in stipulated period (actual duration of the program)	5	SI= (Number of students who graduated from the program with backlog in the stipulated period of course duration)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable) Average SI = mean of success index (SI) for past three batches Success rate = 5 × Average SI	4	4			4.09 Mention Numbers
4.3.	Academic Performance in Second Year	10	Academic Performance = Average API (Academic Performance Index) API = ((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 Second Year/10)) x (successful students/number of students appeared in the examination) Successful students are those who are permitted to proceed to the third year	5	5	Overall Marks for 4.3: 5	Overall Grade for 4.3: W	4.96 Mention Numbers

Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

4.4.	Placement, Higher studies and Entrepreneurship	30	Assessment Points = 30 x average placement , i.e., (P1+P2+P3)/3 Placement Index (P) =[(x + y + z)/N]; where, x = Number of students placed in companies or Government sector through on/off campus recruitment y = Number of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National level tests, GRE, GMAT etc.) z = No. of students turned entrepreneur in engineering/technology . N =Total number of final year students	11	11	Overall Mark 11 for 4.4	Overall Grade D for 4.4	11·53 Mention Numbers
4.5.	Professional Activities	20						
4.5.1.	Professional societies/chapters and organizing engineering events	5	A. Availability & activities of professional societies/chapters (3)	2	4			
			B. Number, quality of engineering events (organized at institute, Level-Institute/State/National/International) (2)	2				
4.5.2.	Publication of technical magazines, newsletters, etc.	5	A. Quality & Relevance of the contents and Print Material (3)	2	4	Overall Mark 13 for 4.5	Overall Grade C for 4.5	
			B. Participation of Students from the program (2)	Thri X 2				
4.5.3.	Participation in inter-institute events by students of the program of study (at other institutions)	10	A. Events within the state (2)	2	5			
			B. Events outside the state (3)	NIL				
			C. Prizes/awards received in such events (5)	3				
Total of Criterion 4:		100	Overall Marks and Grade for Criterion 4:			63	C	

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S. Hariprasad Thari

Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

Criterion 5: Faculty Information and Contributions (200)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overal: Marks	Overal: Grade (Y,C,W,D)	Observations of Evaluators (Provide Justifications/ Reasons)
5.1. (SAR 131 page)	Student-Faculty Ratio (SFR)	20	Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 20:1, and zero for average SFR higher than 20:1 (Refer calculation in SAR) Regular Faculty means: • Full time on roll with prescribed pay scale. An employee on contract for a period of not less than two years AND drawing consolidated salary not less than applicable gross salary shall only be counted as a regular employee. • Prescribed pay scales means pay scales notified by the AICTE/Central Government and implementation as prescribed by the State Government. In case State Government prescribes lesser consolidated salary for a particular cadre then same will be considered as reference while counting faculty as a regular faculty.	Zero	Zero	Overall Marks for 5.1	Overall Grade for 5.1	• shortage of faculty as SFR is 26. (Average SFR = 26)
5.2.	Faculty Cadre Proportion	20	Cadre Proportion Marks = $\left[\left(\frac{AF1}{RF1}\right) + \left(\frac{AF2}{RF2} \times 0.6\right) + \left(\frac{AF3}{RF3} \times 0.4\right) \times 10\right]$ • If AF1 = AF2= 0 then zero marks • Maximum marks to be limited if it exceeds 20 (Refer calculation in SAR)	15	15	Overall Marks for 5.2	Overall Grade for 5.2	14.5 Mention numbers
5.3.	Faculty Qualification	20	FQ = 2.0 x [(10X +6Y)/F] where X is no. of faculty with Ph.D., Y is no. of faculty with M.Tech, F is no. of faculty required to comply 1:15 Faculty Student ratio (no. of faculty and no. of students required to be calculated as per 5.1)	14	14	Overall Marks for 5.3	Overall Grade for 5.3	14.2 Mention numbers
5.4 (SAR 134 page)	Faculty Retention	10	A. ≥ 90% of required Faculties retained during the period of assessment keeping CAYm2 as base year (10)	–	Zero	Overall Marks for 5.4	Overall Grade for 5.4	Faculty Retention = 23% • Poor faculty retention
			B. ≥ 75% of required Faculties retained during the period of assessment keeping CAYm2 as base year (8)	–				
			C. ≥ 60% of required Faculties retained during the period of assessment keeping CAYm2 as base year (6)	–				
			D. ≥ 50% of required Faculties retained during the period of assessment keeping CAYm2 as base year (4)	–				
			E. Otherwise (0)	Zero				
5.5.	Faculty competencies in correlation to Program Specific Criteria	10	A. Specialization B. Research Publications C. Course Developments D. Other relevant points	8	8	Overall Marks for 5.5	Overall Grade for 5.5	

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Signature (Program Evaluator 1) V Sanjay Mani

Signature (Program Evaluator 2)

5.6.	Innovations by the Faculty in Teaching and Learning	10	A. Statement of cl[illegible]pals, use of appropriate methods, significance of results, effective presentation and reflective presentation (4)	2	5	Overall Marks for 5.6	Overall Grade for W	Innovations in teaching-learning not illustrated.
			B. Availability of work on Institute Website (2)	NIL				
			C. Availability of work for peer review and critique (2)	1				
			D. Reproducibility and Reusability by other scholars for further development (2)	2				
5.7.	Faculty as participants in Faculty development /training activities /STTPs	15	For each year: Assessment = 3×Sum/3.5RF Average assessment over three years (Marks limited to 15)	13	13	Overall Marks for 5.7	Overall Grade for Y	Mention numbers 13.2
5.8.	Research and Development	75						
139 pay 5.8.1.	Academic Research	20	A. Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (15)	10	14			
			B. PhD awarded during the assessment period while working in the Institute (5)	4				
5.8.2	Sponsored Research	20	Funded research from outside; Cumulative during Assessment years: Amount > 50 Lacs – 20 Marks Amount > 40 Lacs and <= 50 lacs – 15 Marks Amount > 30 Lacs and <= 40 lacs – 10 Marks Amount >= 15 Lacs and <= 30 lacs – 5 Marks ✓ Amount < 15 Lacs – 0 Mark	5	5	Overall Marks for 5.8 27	Overall Grade for D	Sponsored Res: Rs 29.40L Mention numbers for Sub-Criteria 5.8.2 (Sponsored research) and 5.8.4(Consultancy)
5.8.3	Development Activities	15	A. Product Development B. Research laboratories C. Instructional materials D. Working models, charts/monograms etc.	8	8			
5.8.4.	Consultancy (From Industry)	20	Consultancy; Cumulative during Assessment years: Amount > 10 Lacs – 20 Marks Amount >= 8 Lacs and <= 10 lacs – 15Marks Amount >= 6 Lacs and < 8 lacs – 10 Marks Amount >= 4 Lacs and < 6 lacs – 5 Marks Amount >= 2 Lacs and < 4 lacs – 2 Mark Amount < 2 Lacs – 0 Mark ✓	zero	Zero			Consultancy: Rs: Nil • Industrial consultancy is not there
5.9.	Faculty Performance Appraisal and Development System (FPADS)	10	A. A well defined performance appraisal and development system instituted for all the assessment years (5)	4	7	Overall Marks for 5.9	Overall Grade for W	Effectiveness of system not visible.
			B. Its implementation and effectiveness (5)	3				
5.10.	Visiting/Adjunct/Emeritus Faculty etc.	10	Provision of Visiting /Adjunct/Emeritus faculty etc.(1)	1	4	Overall Marks for 5.10	Overall Grade for W	• No record available Mention Numbers
			Minimum 50 hours per year interaction per year to obtain three marks : 3 x 3 = 9	3				
Total of Criterion 5:		200	Overall Marks and Grade for Criterion 5:			93	W	

Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

Criterion 6: Facilities and Technical Support (80)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall		Observations of Evaluators (Provide Justifications/ Reasons)
				Marks	Total	Marks	Grade (Y,C,W,D)	
6.1.	Adequate and well equipped laboratories, and technical manpower	40	A. Adequate well-equipped laboratories to run all the program-specific curriculum (25)	16	25	Overall Marks for 6.1	Overall Grade for 6.1	Availability of qualified lab. staff is not there
			B. Availability of adequate and qualified technical supporting staff (15)	9				
6.2.	Laboratories: Maintenance and overall ambience	10	Maintenance and overall ambience (10)	6	6	Overall Marks for 6.2	Overall Grade for 6.2	Upkeep and cleanliness not upto the mark
6.3.	Safety measures in laboratories	10	Safety measures in laborator es (10)	8	8	Overall Marks for 6.3	Overall Grade for 6.3	
6.4.	Project laboratory/facilities	20	Facilities & Utilization (20)	13	13	Overall Marks for 6.4	Overall Grade for 6.4	No dedicated project lab.
Total of Criterion 6:		80	Overall Marks and Grade for Criterion 6:			52	C	

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nature (Program Evaluator 1)

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Criterion 7: Continuous Improvement (75)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overall: Marks	Overall: Grade (Y,C,W,D)	Observations of Evaluators (Provide Justifications/ Reasons)
7.1.	Actions taken based on the results of evaluation of each of the COs, POs and PSOs	30	A. Documentation of POs and PSOs attainment levels (15)	11	23	Overall Marks for 7.1	Overall Grade for 7.1	
			B. Identification of gaps/shortfalls (5)	4				
			C. Plan of action to bridge the gap and its Implementation (10)	8				
7.2.	Academic Audit and actions taken during the period of Assessment	15	Assessment shall be based on its conduct and actions taken in relation to continuous improvement (15)	Zero	Zero	Overall Marks for 7.2	Overall Grade for 7.2	Academic Audit not carried out
7.3.	Improvement in Placement, Higher Studies and Entrepreneurship	10	A. Improvement in Placements (5)	Zero	Zero	Overall Marks for 7.3	Overall Grade for 7.3	No visible improvement
			B. Improvement in Higher Studies (3)	Zero				
			C. Improvement in number of Entrepreneurs (2)	Zero				
7.4.	Improvement in the quality of students admitted to the program	20	Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage Physics, Chemistry and Mathematics marks in 12th Standard and percentage marks of the lateral entry students	9	9	Overall Marks for 7.4	Overall Grade for 7.4	Quality of admissions showing decreasing trend as per qualifying ranks.
Total of Criterion 7:		75	Overall Marks and Grade for Criterion 7			32	W	

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Signature (Program Evaluator 1)

Signature (Program Evaluator 2)

Part B-Program Assessment Worksheet
Institute Level Criteria to be Assessed by Chairman

Name of the Institution Rajeev Gandhi Memorial College of Engg. and Tech., Nandyal, A.P.
Name of the Program UG – Mech. Engg.

Criterion 8: First Year Academics (50)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded: Marks	Marks Awarded: Total	Overall: Marks	Overall: Grade (Y,C,W,D)	Observations of Evaluators (Provide Justifications/ Reasons)
8.1.	First Year Student- Faculty Ratio (FYSFR)	5	For each year of assessment = (5 x 15)/ FYSFR (Limited to Max. 5) Average of Assessment years	5	5	Overall Marks for 8.1	Overall Grade for 8.1	Mention numbers 5 (140/69 = 17) (960/65 = 14)
8.2.	Qualification of Faculty Teaching First Year Common Courses	5	A. Assessment of faculty qualification (5x + 3y)/RF B. Average of Assessment of last three years (Refer 8.2. for x, y and RF)	5	3.3 ≈ 3	Overall Marks for 8.2	Overall Grade for 8.2	Mention numbers 3 (5X + 3Y)/RF = 3.3
8.3.	First Year Academic Performance	10	Academic Performance = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks in First Year of all successful stucents/10)) x (successful students/number of students appeared in the examination) (Successful students are those who are permitted to proceed to the Second year)	10	4.2 ≈ 4	Overall Marks for 8.3	Overall Grade for 8.3	Degree 2 to improve 4 Mention numbers 4 To be improved API = 4.2
8.4.	Attainment of Course Outcomes of first year courses	10						
8.4.1.	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is based	5	A. List of assessment processes (1)	1	1	Overall Marks for 8.4	Overall Grade for 8.4	Documentation to be improved
			B. The relevance of assessment tools used (4)	4	4			
8.4.2.	Record the attainment of Course Outcomes of all first year courses	5	Verify the records as per the benchmark set for the courses (5)	5	2			
8.5.	Attainment of Program Outcomes of all first year courses	20						
8.5.1.	Indicate results of evaluation of each relevant PO/PSO	10	A. Process of computing POs/PSOs attainment level from the COs of related first year courses (5)	5	3	Overall Marks for 8.5	Overall Grade for 8.5	Process in place, documentation not upto the mark
			B. Verification of documents validating the above process (5)	5	2			
8.5.2.	Actions taken based on the results of evaluation of relevant POs /PSOs	10	Appropriate actions taken (10)	10	7			
Total of Criterion 8:		50	Overall Marks and Grade for Criterion 8:			31	C	

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Criterion 9: Student Support Systems (50)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded	Total	Overall Marks	Overall Grade (Y,C,W,D)	Observations of Evaluator (Provide Justifications/ Reasons)
9.1.	Mentoring system to help at individual level	5	Details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system (5)	5	3	Overall Marks for 9.1 (3)	Overall Grade for 9.1	Effectiveness to be enhanced
9.2.	Feedback analysis and reward /corrective measures taken, if any	10	A. Methodology being followed for analysis of feedback and its effectiveness (5)	5	4	Overall Marks for 9.2 (7)	Overall Grade for 9.2 C	Record of corrective measures to be properly maintained
			B. Record of corrective measures taken (5)	5	3			
9.3.	Feedback on facilities	5	Feedback collection, analysis and corrective action (5)	5	4	Overall Marks for 9.3 (4)	Overall Grade for 9.3 Y	
9.4.	Self Learning	5	A. Scope for self-learning (2)	2	1	Overall Marks for 9.4 (3)	Overall Grade for 9.4 C	Facilities to be improved further
			B. Self Learning facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization (3)	3	2			
9.5.	Career Guidance, Training, Placement	10	A. Availability of career guidance facilities (2)	2	1	Overall Marks for 9.5 (8)	Overall Grade for 9.5 Y	
			B. Counseling for higher studies (GATE/GRE, GMAT, etc.) (2)	2	2			
			C. Pre-placement training (3)	3	3			
			D. Placement process and support (3)	3	2			
9.6.	Entrepreneurship Cell	5	A. Entrepreneurship initiatives (3)	3	2	Overall Marks for 9.6 (3)	Overall Grade for 9.6 C	To be intensified
			B. Data on students benefitted (2)	2	1			
9.7.	Co-curricular and Extra-curricular Activities	10	A. Availability of sports and cultural facilities (3)	3	2	Overall Marks for 9.7 (7)	Overall Grade for 9.7 C	To be intensified
			B. NCC, NSS and other clubs (3)	3	2			
			C. Annual students activities (4)	4	3			
Total of Criterion 9:		50	Overall Marks and Grade for Criterion 9:			35	C	

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Signature (Chairman)

Criterion 10: Governance, Institutional Support and Financial Resources (120)

S.No.	Sub Criteria	Max. Marks	Evaluation Guidelines	Marks Awarded		Overall		Observations of Evaluator (Provide Justifications/ Reasons)
				Marks	Total	Marks	Grade (Y,C,W,D)	
10.1.	Organization, Governance and Transparency	55						
10.1.1.	State the Vision and Mission of the Institute	5	A. Availability of the Vision & Mission statements of the institute (2)	2	2	(5)	Y	
			B. Appropriateness/Relevance of the Statements (3)	3	3			
10.1.2.	Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring	25	Availability of a 5 year Strategic Plan.	25	20	(20)	Y	
10.1.3.	Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies.	10	A. List the Governing Body Composition and its Sub Committees, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; participation details of external members and attendance therein (4)	4	3	(9)	Y	
			B. The published service rules, policies and procedures with year of publication (3)	3	3			
			C. Minutes of the meetings and action-taken reports (3)	3	3	Overall Marks for 10.1	Overall Grade for 10.1	
10.1.4.	Decentralisation in working and grievance redressal mechanism	5	A. Organizational Structure, List of Administrative Committees and Administrative Heads who have been delegated powers for taking administrative decisions (1)	1	1	(4)	Y	
			B. Specify the mechanism and composition of grievance redressal cell (1)	1	1			
			C. Action taken report of representations (sample) (3)	3	2			
10.1.5.	Delegation of financial powers	5	A. Financial powers delegated to the Principal, Heads of Departments and relevant in-charges (2)	2	1	(3)	C	Delegation to be formulated.
			B. Demonstrate the utilization of financial powers for each of the assessment years (3)	3	2			
10.1.6.	Transparency and availability of correct/unambiguous information in public domain	5	A. Information on the policies, rules, processes is to be made available on web site (2)	2	2	(5)	Y	
			B. Dissemination of the information about student, faculty and staff (2)	2	2			
			C. Mandatory disclosure as per AICTE/AISHE on the website. (1)	1	1			

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Compliance Status PART C. (Overall status)

S. NO	Parameter	Criterion	Observations	Remarks of the evaluator (To be left Blank)
1.	The stake holders do not have awareness of PEOs	Criterion-1	• The PEOs of the department are incorporated in academic regulation books supplied to the students and also disseminated in the college website, class rooms and labs /department premises. • PEOs and course outcomes of the program /subject are explained to the students by the each subject faculty at the beginning of every semester. **(Kindly Refer Annexure 1)**	
2.	Curriculum not designed as per the requirements of outcome based education	Criterion-2.1	• Based on the feedback taken from the stake holders, alumni, eminent academicians and experts form industry; the curriculum has been designed by covering the following points to meet the requirements of the industry 4.0. • In the curriculum, Skill development courses in the emerging areas of CAD & CAM were introduced. • In the curriculum the value added courses like Corporate Management Skills (CMS), Arithmetic Aptitude Reasoning and Comprehension (AARC), Professional Ethics and Soft Skills (PESS), MOOCS & NPTEL have been incorporated in each semester to meet the requirements of the industry 4.0 • Emerging electives courses are offered in multi-disciplinary areas. **(Syllabus Book: pp. No: 14-22).**	
3.	Process for attainment of PSO's are not illustrated	Criterion-2.1	• The attainment of POs and PSOs with respect to the course components has been illustrated in Table 2.2 of SAR from Page No.26-30	
4.	Question papers not designed to meet the outcome based educational requirements	Criterion-2.2	• Question papers, assignments are aligned with Bloom's Taxonomy and evaluated according to rubrics defined. For a particular course Internal mid examination and semester End examination questions will be set to meet the defined course outcomes. The question paper pattern of internal and external examination consists of questions which meets the POs and PSO's of the department. • Question papers are designed based on the application of the knowledge, design and development, analysis and evaluation.	
5.	• Student Projects are not related to industry. • Quality of the Most of the projects need to attention.	Criterion-2.2	• Incubation centre has been established with senior faculty (HOD, Industry Experienced faculty) to identify the needs of the industry. Students are encouraged for taking industrial issues as a mini / major projects.	

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6.	• Impact analysis of industry-institute interaction not carryout. • Industry involvement in partial delivery of courses not visible.	Criterion-2.2	• The Impact analysis of industry-institute interaction has been carried to the Students those have gone through Industrial internships at BHEL, HAL, Vizag steel, RTPP etc. • Majority of the students are selected for jobs in-campus and out campus interviews. • Department continuously organizes several workshops, seminars and conferences by inviting eminent personalities from industry for the benefit of the students to meet the PEOs and to attain the Outcome Based Education. • Periodically guest lecturers are arranged by inviting experts from industry to deliver lecturers on industry related courses/ topics. • In the new curriculum 2019, Industry related courses (Industrial safety, Energy audit, Supply Chain Management, Autotronics etc.) have been incorporated. **(Kindly Refer Annexure: 2)**	
7.	Internships not part of the curriculum	Criterion-2.2	• In new academic regulations 2019 Industrial internship is made mandatory for all the students to award the degree. • The department is also encouraging the students from second year onwards to do the internship and projects in and around industries during their summer semester break. **(Kindly Refer Annexure: 3 &** http://rgmcet.edu.in/assets/img/documents/Internships/Internships %202018-19.pdf)	
8.	POs / PSOs correlation with courses not fully established	Criterion-3.1	• POs/PSOs correlation for the courses are fully established and incorporated in SAR from Page No. 39-61. • In the new academic regulations 2019, domain dependent and domain independent POs / PSOs are fully correlated with all the course outcomes.	
9.	Assessment process need to be relooked for realistic evaluation of POs/PSOs as most of the values are more than 100%.	Criterion-3.2	• There is a human mistake while computing the normalized COs attainment of certain subjects and they were recalculated and incorporated in the revised SAR. • Attainment of Course outcomes are measured based on the Threshold value set. Threshold values will be set based on the intake student quality. **(Kindly Refer Annexure: 4)**	
10.	No bench mark developed	Criterion-3.2	• The bench mark for course outcomes of all courses are set as 50% based on the last three years average marks of the students. **(Kindly Refer Annexure: 4)**	
11.	Verification not fully illustrated	Criterion-3.3	• The documents, results and level of attainments of each PO and PSOs of all courses are available in the course files of concerned subject faculty.	
12.	Needs improvement	Criterion-4.2	• Success Index without backlog in any semester/ year for the 3 years average value is 0.7022 (70.22%) and it is given in SAR	

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			Page No. 110. Still there is a scope for improvement.	
13.	Needs improvement	Criterion-4.3	• Academic Performance Index in Second year for the three years average value is 4.96 and it is given in SAR Page No. 111. Still there is a scope for improvement.	
14.	Placement of students in core areas and in good companies is not significant. Avg. placement for 3 years is @ 40 %.	Criterion-4.4	• After submission of SAR, the department has received additional information regarding the placement and higher studies. Then Avg. Placement for 3 years has been raised to 49.07%. Placement details are given in Annexure: 5 **(Kindly Refer Annexure: 5)**	
15.	An event outside state is nil. Students participation in the events outside the state is nil	Criterion-4.5	• Students are encouraged to present technical papers in symposiums and to attend the seminars and conferences outside the state. • Students will be paid one way fare for attending the symposium/Conferences. • The list of students attended in interstate institute events is given in the SAR from Page No.119-121.	
16.	Shortage of faculty as SFR is 26	Criterion-5.1	• In SAR Page No.131 in parameter 5.1, the average value of student-Faculty Ratio for the 3 years is 15.75. • As per the instructions of NBA expert committee members to calculate the SFR, not to consider the faculty members whose service is less than one year, then the recalculated SFR is 16.77. (This document has been submitted to the NBA office on 22.04.2016 through mail) **(Kindly refer Annexure:6)**	
17.	Poor Faculty retention (23%)	Criterion-5.4	• The faculty retention was **76.6%** for the Base year 2015-16 and it is shown in SAR Page No.134 in Fig. 5.1. • 23 No's of faculty members were retained with reference to CAYm2. **(Kindly refer Annexure:7)**	
18.	Innovations in Teaching learning not illustrated	Criterion-5.6	• Digital light projectors (DLP) are available in each class room and 55" LED 4K Television facility was made available in CAD lab to promote interactive teaching and learning process. The entire Mechanical Engineering block is under CCTV surveillance. • An innovation by the faculty in Teaching and learning was illustrated in SAR Criteria-5 /sub-parameter 5.6, Page No.136.	
19.	Industrial consultancy is not there	Criterion-5.8	• Faculty members are formed into research group's viz., Thermal Engineering, Composite Materials and Solar Thermal Sciences to carryout R& D activities as well as consultancy works. Faculty members are actively engaged in publishing research papers in refereed International journals and also striving hard to submit project proposal to the different funding agencies like, SERB/ DST, AICTE, UGC etc. • Department of Mechanical Engineering is recognized as a Research Centre by JNT	

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			University Anatapur in the year 2014 to offer the regular Ph.D Programme. So for 03 Research scholars are pursuing Full-Time Ph.D programme in the department. • In SAR in sub-parameter 5.8.1 Academic Research activities are shown in SAR from Page No.139, Table 5.7 & Table 5.8. • In SAR in sub-parameter 5.8.2, Page No.140 in Table 5.9 list of R& D Projects submitted and proposed and publications were presented in Annexure.8 **(Kindly refer Annexure:8)**	
20.	Effectiveness of system not visible	Criterion-5.9	• In SAR in sub-parameter 5.8.4 from Page No.170-171, the list of consultancy work carried out was presented in Table 5.10 and also there is a scope for improvement. We assure you to work for improvement.	
21.	No record available	Criterion-5.10	• In SAR in parameter 5.10 in Page No.185 the list of Guest/ Visiting faculty and topics covered were presented. A separate record is also maintained in the department.	
22.	Availability of qualified lab staff is not there	Criterion-6.1	Dedicated and well experienced 21 No's of Technical staffs with ITI, Diploma and B.Tech qualification are available in the department. The List of Technical staff and scanned copy of attendance register is given in the Annexure.9.	
23.	Up keep and cleanliness not up to the mark	Criterion-6.2	• At the time of visit in our department building construction of lift area under progress, because of that the assessors feel cleanliness not up to the mark. • The department is engaging 06 sweepers and 02 scavengers to upkeep the Cleanliness in all the class rooms, faculty rooms, laboratories and wash rooms. • The dust bins are provided in all class rooms, faculty rooms, laboratories and wash rooms to upkeep the Cleanliness.	
24.	No dedicated project lab	Criterion-6.4	• A separate project lab (Room No: UG 1510) is available in the department to enable the students to carry out their project work. • Incubation centre has been established with senior faculty (HOD, Industry Experienced faculty) to identify the needs of the industry. Students are encouraged for taking industrial issues as a mini / major projects.	
25.	Academic audit not carried out	Criterion-7.2	• In SAR the procedure of Academic Audit was illustrated and action taken during the period of assessment is presented in Table 7.3 of SAR from page No: 219 to 221.	
26.	No visible improvement	Criterion-7.3	• Concentrating more on this aspect and there is a scope for improvement. • We enhanced the campus placement opportunities to the students. • Incubation centre has been established with senior faculty (HOD, Industry Experienced faculty) to identify the needs of the industry. Students are encouraged for taking industrial issues as a mini / major projects.	
27.	Quality of admissions slowly	Criterion-7.4	• 70% Admission are made through APEAMCET Examination and the remaining	

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	decreasing trend as per qualifying ranks.		30% seats are filled through merit only. • For enhancing the intake quality we are initiated advertisements in electronic and print media.	
28.	Weak performance. There is a scope of improvement.	Criterion-8.3	• Different background students are admitted in the program, students takes time to mould them self. • The student performance is increasing year by year.	
29.	Documentation to be improved to a large extent.	Criterion-8.4	• Carefully prepared COs for the first year subjects through individual BOS of basic sciences. • CO attainments for Basic Science subjects are done by adopting similar procedure applied for the other subjects. Threshold also fixed by the similar procedure. Anyhow scope for improvement in document.	
30.	Process in place documentation not up to the mark.	Criterion-8.5	• Details are given in the SAR in Page No.235	
31.	Effectiveness to be evaluated	Criterion-9.1	• Mentoring system is in vogue. • Seen improvement in performance after mentoring.	
32.	Record of corrective measures taken are to be properly maintained	Criterion-9.2	• Feedback analysis is in vogue in the department, at the end of semester, the Class In-charge collects the feedback from the students and submits the same to the head of the department who in turn compiles subject vice feedback & informs observations to the concerned faculty members. If needed faculty members makes rectification /changes accordingly. • Department conducting remedial classes to the academically weaker students. • The Impact of remedial classes on the performance on the students in the end examinations is given in Annexure: 10 **(Kindly refer Annexure:10)**	
33.	Facilities to be improved for self – learning activity.	Criterion-9.4	The following listed modes are available for the students for self-learning: NPTEL video lectures, Digital library facility, Lecture notes, softwares, Reputed journals form IEEE, ASME, Springer, Wiley etc.	
34.	To be initiated	Criterion-9.6	YES There is a scope for improvement	
35.	To be initiated	Criterion-9.7	In the curriculum itself Co-curricular and Extra-curricular activities have been incorporated for the overall personality development of the students. The activities like NSS, Yoga, Swatch Bharat, Games & Sports, Temple Services, Services in Schools, Services in Hospitals etc.	
36.	Delegation to be formalized	Criterion-10.1	Every financial year budget will be allocated to the department, and the amount is deposited in the HOD SBI account. The head of the department has the financial power to purchase of lab consumables, equipment/software and for operation & maintenance of the equipment after taking the	

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			prior permission of the principal. Apart from these, the HODs are empowered to spend up to Rs.10,000/- without any consent from the authorities.	

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ANNEXURE : 1

R G M C E T

REGULATIONS COURSE STRUCTURE AND SYLLABUS

RGM-R-2015

(CHOICE BASED CREDIT SYSTEM - CBCS)

ESTD : 1995

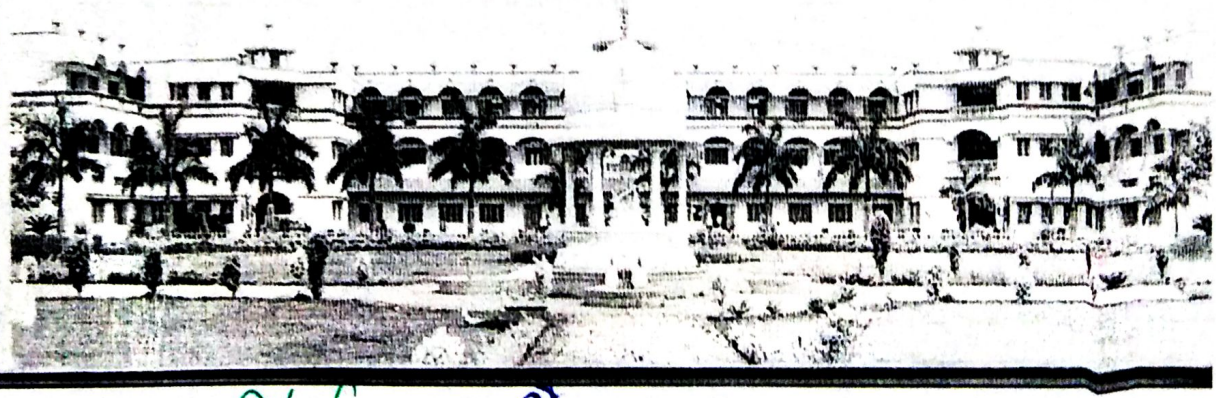
AUTONOMOUS

UNDER GRADUATE PROGRAMME

B.Tech

MECHANICAL ENGINEERING

NANDYAL-518501
A.P. INDIA



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RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY

Autonomous

MECHANICAL ENGINEERING

Programme Outcomes (POs)

PO 1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2: 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.

PO 3: 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.

PO 4: 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.

PO 5: 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.

PO 6: 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.

PO 7: 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.

PO 8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO 9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO 10: 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.

PO 11: 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.

PO 12: 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.

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RGM-R-2015

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY

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MECHANICAL ENGINEERING

Programme Educational Objectives (PEOs)

PEO 1: To apply modern computational, analytical, simulation tools and techniques to address the challenges faced in mechanical and allied engineering streams.

PEO 2: To Plan, design, construct, maintain and improve mechanical engineering systems that are technically sound, economically feasible and socially acceptable to enhance quality of life.

PEO 3: To Exhibit professionalism, ethical attitude, team spirit and pursue life long learning to achieve career and organizational goals.

PEO 4: To communicate effectively using innovative tools and demonstrates leadership & entrepreneurial skills.

Programme specific outcomes (PSOs)

PSO 1: The graduate will be able to design systems, components or process for broadly defined engineering technology problems appropriate to programme educational objectives.

PSO 2: The graduates will be able to apply modern engineering tools viz., CAD/CAM packages for modeling, analysis and predicting simple to complex engineering activities with an understanding of the limitations.

PSO 3: The graduate will be able to apply oral and graphical communication in both technical and non-technical environment.

PSO 4 The graduate will be able to engage in self directed continuing professional development and have a strong commitment to address ethical and professional responsibilities.

Note: Program Outcomes (POs) and Program Specific Outcomes (PSOs) are mapped with Course Outcomes (COs) and they are correlated in following levels

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

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ANNEXURE : 2

List of Programs conducted under Industry- Institute Interaction

S.NO	NAME OF THE PROGRAM	DATE	RESOURCE PERSON'S ADDRESS	TARGET AUDIONS	Pg No
1.	Quality Check For PVC Products	30.11.2013	Mr. Shaik Jabith Hussain, Senior Engineer in Quality Control Department, Nandi Group of Industries, Nandyal.	ME III year I Sem Students	1-8
2.	Production Of Cement By Dry Process	21.02.2014	Mr. M.Srinivasulu, Senior Engineer in Production Department, Panyam cement & Mineral Industries Limited, Corp. Office: C1 , Industrial Area, Nandyal	ME IV year II Sem Students	9-16
3.	Overview Of Plastic Processing Plant	25.09.2014	Mr.B. Manoj Kumar, Senior Engineer, Nandi Group of Industries, Nandyal.	ME III year I Sem Students	17-24
4.	Pyro processing Device – Rotary Kiln	04.03.2015	Mr. K. Ashok Reddy, Senior Engineer in Production Department, Panyam cement & Mineral Industries Limited, Corp. Office: C1, Industrial Area, Nandyal.	ME IV year II Sem Students	25-32
5	Centrifugal Casting For Axi-Symmetry Products	30.09.2015	Mr. M. Ram Prasad Reddy, Senior Engineer in Production, Nandi Group of Industries, Nandyal.	ME III year I Sem Students	33-40
6.	Working Of Raw Mill In Cement Plant	13.2.2016	Mr. B. Nagarjuna, Senior Engineer in Raw Mill Department, Panyam cement & Mineral Industries Limited, Corp. Office: C1 , Industrial Area, Nandyal.	ME IV year II Sem Students	41-48
7.	Processing Dip-Irrigation Products	30.08.2016	Mr. M. Mahesh, Senior Engineer in production Department, Nandi Group of Industries, Nandyal	ME III year I Sem Students	49-57
8.	Standanization Of PVC Pipe Fittings	18.02.2017	Mr.Pavan kumar, Senior Engineer in Production Department, Nandi Group of Industries, Nandyal	ME IV year II Sem Students	58-65

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S.NO	NAME OF THE PROGRAM	DATE	RESOURCE PERSON'S ADDRESS	TARGET AUDIONS	Pg. No
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ANNEXURE : 3

Scanned Copy of a Internship Training Programme Certificates

Mahindra

Mahindra & Mahindra Ltd
Farm Equipment Sector
Mahindra Nagar
Zaheerabad [illegible]
Medak Dist. Telangana

Tel: [illegible]
Fax: [illegible]

mahindra.com

Regd Office
Gateway Building, Apollo Bunder
Mumbai 400 001 India
CIN NO [illegible]

M&M: Z: HR33:2015
Date: 30th June 2016

Certificate

This is to certify that **Mr.S.MD.ASLAM, Roll/Regd. No.13091A0353**, a bonafide student of Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal-Kurnool(Dist), has undergone Project Work from **31-05-2016 to 30-06-2016** on **"REDUCTION OF RPH IN TRACTOR ASSEMBLY LINE"** successfully. During the project period, he was found to be hardworking and diligent.

The Preliminary Report submitted by him is found relevant.

We wish him all success in his future endeavor.

For MAHINDRA & MAHINDRA LIMITED

R.Bala Murali
Manager
Human Resources

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[illegible]ANDRA PRASA[illegible]
[illegible] FIETE, MNAFEN, MISTE
[illegible]NCIPAL
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భారత్ హెవీ ఎలక్ట్రికల్స్ లిమిటెడ్
హెవీ పవర్ ఇక్విప్‌మెంట్ ప్లాంట్, రామచంద్రాపురం, హైదరాబాద్ – 502032 (భారత్)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड
हेवी पावर इक्विपमेंट प्लांट, रामचन्द्रापुरम, हैदराबाद – 502 032 (भारत)
BHARAT HEAVY ELECTRICALS LIMITED
Heavy Power Equipment Plant, Ramachandrapuram, Hyderabad - 502032 (INDIA)
మానవ వనరుల వికాస కేంద్రము / मानव संसाधन विकास केंद्र
Human Resources Development Centre

पंजीयन संख्या / Reg. No. 1455 दिनांक / Date 18/06/2016

परियोजना कार्य प्रशिक्षण प्रमाण पत्र

PROJECT WORK TRAINING CERTIFICATE

प्रमाणित किया जाता है कि श्री/ सुश्री/ श्रीमति This is to certify that Mr. / Ms. / Mrs. G. Madhu Sudhan

अनुक्रमांक / Roll No 13091A0343 ने of R.G.M College of Engg & Technology

महाविद्यालय / विश्वविद्यालय / college / university से अध्ययन करते हुए pursuing III B.Tech

Mechanical पाठ्यक्रम में /Course परियोजना कार्य / इंटर्नशिप प्रशिक्षण has satisfactorily completed

the Project Work / Internship Training from दिनांक Dt. 4/6/2016 से to दिनांक Dt. 18/6/2016 तक

सफलतापूर्वक पूर्ण किया है। परियोजना कार्य का शीर्षक / The title of the project is Heat Exchangers

ISO 9002

Accredited by the Dutch Council for Certification

के. श्रीनिवासनायुडु
परियोजना प्रशिक्षण प्रभारी
Project Training-in-Charge
HYDERABAD 502 032

पंजीकृत कार्यालय - "बीएचईएल हाउस", सिरी फोर्ट, नई दिल्ली - 110 049
Regd. Office: "BHEL House", Siri Fort, New Delhi - 110 049
Website: www.bhel.com

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ANNEXURE : 4

CO attainment calculation for the course Internal Combustion Engines

S.No	HTNO	ASS	IM	EM	Co1	Co2	Co3	Co4
1	14091A0301	5	18	44	59.95	47.48	79.79	75.61
2	14091A0302	5	13	28	41.90	34.36	53.56	51.15
3	14091A0303	5	21	54	71.09	55.60	96.05	90.75
4	14091A0305	5	14	32	46.12	37.48	59.85	56.96
5	14091A0307	5	18	36	53.84	42.45	69.29	66.38
6	14091A0310	5	18	52	66.07	52.50	90.29	84.83
7	14091A0311	5	17	34	51.14	40.58	65.62	62.88
8	14091A0312	5	20	59	73.75	58.12	101.57	95.31
9	14091A0313	5	18	29	48.49	38.06	60.11	58.31
10	14091A0314	5	15	29	44.99	36.22	56.96	54.70
11	14091A0315	5	19	54	68.76	54.37	93.96	88.34
12	14091A0316	5	22	56	73.78	57.47	99.73	94.26
13	14091A0317	5	19	64	76.40	60.64	107.08	99.87
14	14091A0318	5	13	40	51.07	41.89	69.31	64.98
15	14091A0319	5	14	39	51.47	41.88	69.04	65.03
16	14091A0320	5	20	55	70.69	55.61	96.32	90.70
17	14091A0321	5	19	45	61.88	48.72	82.15	77.96
18	14091A0322	5	12	25	38.44	31.86	48.57	46.48
19	14091A0323	5	20	46	63.81	49.96	84.51	80.32
20	14091A0324	5	21	46	64.98	50.58	85.56	81.52
21	14091A0325	5	14	44	55.29	45.01	75.60	70.80
22	14091A0326	5	18	34	52.31	41.20	66.67	64.08
23	14091A0328	5	22	47	66.91	51.82	87.91	83.88
24	14091A0329	5	16	57	67.56	54.40	94.76	88.19
25	14091A0330	5	20	50	66.87	52.47	89.76	84.93
26	14091A0331	5	15	42	54.93	44.37	74.02	69.69
27	14091A0332	5	22	58	75.31	58.72	102.35	96.56
28	14091A0333	5	17	41	56.49	44.98	74.81	70.95
29	14091A0334	5	20	57	72.22	56.86	98.94	93.00
30	14091A0335	5	19	55	69.52	54.99	95.27	89.49
31	14091A0336	5	19	35	54.24	42.44	69.03	66.43
32	14091A0337	5	21	43	62.68	48.69	81.62	78.06
33	14091A0338	5	19	44	61.12	48.09	80.84	76.81
34	14091A0339	5	15	32	47.29	38.10	60.90	58.16
35	14091A0341	5	22	57	74.55	58.09	101.04	95.41
36	14091A0342	5	21	50	68.03	53.09	90.80	86.14
37	14091A0343	5	20	47	64.58	50.59	85.82	81.47
38	14091A0344	5	9	32	40.29	34.41	54.62	50.94
39	14091A0346	5	19	44	61.12	48.09	80.84	76.81
40	14091A0348	5	20	47	64.58	50.59	85.82	81.47
41	14091A0349	5	22	56	73.78	57.47	99.73	94.26
42	14091A0351	5	18	52	68.40	53.73	92.38	87.24
43	14091A0353	5	20	56	71.45	56.24	97.63	91.85

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44	14091A0354	5	18	37	54.60	43.08	70.60	67.54
45	14091A0357	5	15	34	48.81	39.35	63.53	60.47
46	14091A0358	5	17	48	61.84	49.37	83.99	79.02
47	14091A0359	5	21	55	71.85	56.22	97.37	91.90
48	14091A0360	5	10	32	41.46	35.02	55.67	52.15
49	14091A0361	5	21	46	64.98	50.58	85.56	81.52
50	14091A0362	5	16	46	59.15	47.50	80.32	75.51
51	14091A0363	5	13	45	54.89	45.03	75.87	70.75
52	14091A0364	5	19	42	59.59	46.84	78.21	74.51
53	14091A0365	5	23	59	77.24	59.97	104.71	98.92
54	14091A0366	5	21	57	73.38	57.48	99.99	94.21
55	14091A0367	5	15	48	59.51	48.14	81.90	76.61
56	14091A0368	5	20	46	63.81	49.96	84.51	80.32
57	14091A0369	5	19	43	60.35	47.46	79.52	75.66
58	14091A0370	5	13	28	41.90	34.36	53.56	51.15
59	14091A0371	5	15	43	55.69	45.00	75.34	70.85
60	14091A0372	5	12	37	47.61	39.39	64.32	60.32
61	14091A0373	5	16	41	55.33	44.36	73.76	69.74
62	14091A0374	5	18	53	66.83	53.12	91.60	85.99
63	14091A0375	5	14	41	53.00	43.13	71.67	67.34
64	14091A0376	5	7	37	41.78	36.31	59.09	54.30
65	14091A0377	5	23	58	76.48	59.34	103.40	97.77
66	14091A0378	5	17	41	56.49	44.98	74.81	70.95
67	14091A0379	5	16	41	55.33	44.36	73.76	69.74
68	14091A0380	5	12	44	52.96	43.78	73.51	68.39
69	14091A0381	5	20	57	72.22	56.86	98.94	93.00
70	14091A0382	5	17	41	56.49	44.98	74.81	70.95
71	14091A0383	5	19	49	64.94	51.23	87.40	82.58
72	14091A0384	5	6	32	36.80	32.56	51.48	47.34
73	14091A0385	5	21	50	68.03	53.09	90.80	86.14
74	14091A0386	5	14	44	55.29	45.01	75.60	70.80
75	14091A0387	5	15	43	55.69	45.00	75.34	70.85
76	14091A0388	5	13	39	50.30	41.26	67.99	63.83
77	14091A0389	5	14	55	63.70	51.92	90.04	83.48
78	14091A0390	5	11	49	55.62	46.31	79.02	72.95
79	14091A0394	5	15	54	64.10	51.91	89.77	83.53
80	14091A0395	5	17	40	55.73	44.35	73.49	69.79
81	14091A0396	5	20	51	67.63	53.10	91.07	86.09
82	14091A0397	5	3	32	33.30	30.72	48.34	43.73
83	14091A0398	5	19	43	60.35	47.46	79.52	75.66
84	14091A03A0	5	7	33	38.73	33.80	53.84	49.69
85	14091A03A1	5	7	35	40.26	35.06	56.46	52.00
86	14091A03A2	5	17	28	46.56	36.82	57.75	55.96
87	14091A03A3	5	17	61	71.78	57.53	101.05	94.01
88	14091A03A4	5	17	49	62.61	50.00	85.30	80.17
89	14091A03A5	5	16	46	59.15	47.50	80.32	75.51
90	14091A03A7	5	15	46	57.98	46.88	79.27	74.31
91	14091A03A8	5	6	31	36.03	31.93	50.17	46.18

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92	14091A03A9	5	18	48	63.01	49.99	85.04	80.22
93	14091A03B0	5	22	59	76.08	59.35	103.66	97.72
94	14091A03B2	5	16	55	66.03	53.15	92.13	85.88
95	14091A03B3	5	6	37	40.62	35.70	58.04	53.10
96	14091A03B4	5	12	30	42.26	35.00	55.14	52.25
97	14091A03B5	5	20	51	67.63	53.10	91.07	86.09
98	14091A03B6	5	7	33	38.73	33.80	53.84	49.69
99	14091A03B7	5	10	42	49.10	41.30	68.79	63.68
100	14091A03B8	5	14	49	59.11	48.15	82.16	76.56
101	14091A03B9	5	7	40	44.08	38.20	63.02	57.76
102	14091A03C0	5	21	62	77.20	60.62	106.55	99.97
103	14091A03C2	5	15	52	62.57	50.65	87.15	81.22
104	14091A03C3	5	11	51	57.14	47.56	81.65	75.26
105	14091A03C5	5	14	43	54.53	44.39	74.29	69.64
106	14091A03C7	5	13	40	51.07	41.89	69.31	64.98
107	14091A03C8	5	5	30	34.10	30.69	47.81	43.83
108	14091A03C9	5	22	50	69.20	53.70	91.85	87.34
109	14091A03D0	5	24	57	76.88	59.33	103.13	97.82
110	14091A03D1	5	23	61	78.77	61.22	107.33	101.22
111	14091A03D3	5	19	41	58.82	46.21	76.90	73.35
112	14091A03D4	5	15	47	58.75	47.51	80.59	75.46
113	14091A03D5	5	12	32	43.79	36.25	57.76	54.55
114	14091A03D8	5	6	30	35.27	31.31	48.85	45.03
115	14091A03D9	5	21	41	61.16	47.44	78.99	75.76
116	14091A03E0	5	10	25	36.11	30.63	46.48	44.08
117	14091A03E3	5	16	40	54.56	43.73	72.45	68.59
118	14091A03E4	5	15	29	44.99	36.22	56.96	54.70
119	14091A03E5	5	20	42	60.75	47.45	79.26	75.71
120	14091A03E6	5	15	51	61.81	50.02	85.84	80.07
121	14091A03E7	5	19	49	64.94	51.23	87.40	82.58
122	14091A03E9	5	19	50	65.70	51.86	88.71	83.73
123	14091A03F0	5	19	38	56.53	44.33	72.96	69.89
124	14091A03F1	5	17	48	61.84	49.37	83.99	79.02
125	14091A03F3	5	21	58	74.15	58.11	101.30	95.36
126	14091A03F4	5	10	28	38.40	32.51	50.42	47.54
127	14091A03F7	5	20	47	64.58	50.59	85.82	81.47
128	14091A03F8	5	17	41	56.49	44.98	74.81	70.95
129	14091A03F9	5	18	42	58.42	46.22	77.17	73.30
130	14091A03G1	5	12	25	38.44	31.86	48.57	46.48
131	14091A03G2	5	19	42	59.59	46.84	78.21	74.51
132	14091A03G3	5	18	50	64.54	51.24	87.66	82.53
133	14091A03G5	5	16	41	55.33	44.36	73.76	69.74
134	14091A03G6	5	20	64	77.57	61.26	108.13	101.07
135	14091A03G7	5	20	55	70.69	55.61	96.32	90.70
136	14091A03G8	5	15	47	58.75	47.51	80.59	75.46
137	14091A03H0	5	18	54	67.59	53.75	92.91	87.14
138	14091A03H5	5	11	46	53.32	44.42	75.09	69.49
139	14091A03H7	5	23	62	79.53	61.85	108.65	102.38

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140	14095A0425	5	21	46	67.31	51.81	87.65	83.93
141	15095A0301	5	15	33	48.05	38.73	62.21	59.32
142	15095A0302	5	13	51	59.48	48.79	83.74	77.66
143	15095A0303	5	17	50	64.17	50.63	86.62	81.32
144	15095A0304	5	10	35	43.75	36.91	59.60	55.61
145	15095A0305	5	17	41	56.49	44.98	74.81	70.95
146	15095A0306	5	16	34	49.98	39.97	64.57	61.67
147	15095A0307	5	15	46	57.98	46.88	79.27	74.31
148	15095A0308	5	7	35	40.26	35.06	56.46	52.00
149	15095A0309	5	15	39	52.63	42.49	70.09	66.23
150	15095A0310	5	10	25	36.11	30.63	46.48	44.08
151	15095A0311	5	16	40	54.56	43.73	72.45	68.59
152	15095A0312	5	24	45	67.71	51.79	87.38	83.98
153	15095A0314	5	18	50	64.54	51.24	87.66	82.53
154	15095A0315	5	14	36	49.18	39.99	65.10	61.57
155	15095A0316	5	17	56	67.96	54.39	94.49	88.24
156	15095A0317	5	19	50	65.70	51.86	88.71	83.73
157	15095A0318	5	12	52	59.07	48.80	84.01	77.61
158	15095A0319	5	10	25	36.11	30.63	46.48	44.08
159	15095A0320	5	17	37	53.44	42.47	69.56	66.33
160	15095A0321	5	15	26	42.70	34.33	53.03	51.25
161	15095A0322	5	15	38	51.87	41.86	68.78	65.08
162	15095A0323	5	18	56	69.12	55.01	95.54	89.44
163	15095A0324	5	21	47	65.74	51.20	86.87	82.68
164	15095A0325	5	17	40	55.73	44.35	73.49	69.79
165	15095A0327	5	11	30	41.10	34.38	54.09	51.05
166	15095A0328	5	22	61	77.61	60.61	106.29	100.02
167	15095A0329	5	20	43	61.52	48.08	80.57	76.86
168	15095A0330	5	13	35	47.25	38.75	62.74	59.22
169	15095A0331	5	21	38	58.86	45.56	75.06	72.30
170	15095A0332	5	16	42	56.09	44.99	75.07	70.90
171	15095A0333	5	20	57	72.22	56.86	98.94	93.00
172	15095A0334	5	13	43	53.36	43.77	73.24	68.44
173	15095A0335	5	16	36	51.51	41.22	67.20	63.98
174	15095A0336	5	16	45	58.39	46.87	79.01	74.36
175	15095A0337	5	11	42	50.27	41.91	69.84	64.88
176	15095A0338	5	17	42	57.26	45.61	76.12	72.10
177	15095A0339	5	21	53	70.33	54.97	94.74	89.59
178	15095A0340	5	15	45	57.22	46.26	77.96	73.15
179	15095A0341	5	15	52	62.57	50.65	87.15	81.22
180	15095A0342	5	16	38	53.04	42.48	69.82	66.28
181	15095A0343	5	19	52	67.23	53.11	91.34	86.04
182	15095A0344	5	13	43	53.36	43.77	73.24	68.44

Co attainment	77.6	36.0	95.1	92.3
CO Threshold	60	60	60	60
CO Attainment or NOT	Y	N	Y	Y

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	Aaattain-ment	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PS O 2	PS O 3	PS O 4
CO1	2.29	3	3			2	3	1					3	2			1
CO2	2.39	3	3			2	3	1					3	2	1		1
CO3	2.36	3	3			2	3	1					3	2	1		1
CO4	2.39	3	3			2	3	1					3	2	1		
PO Attainment Matrix		**2.36**	**2.36**			**2.36**	**2.36**	**2.36**					**2.36**	**2.36**	**2.38**		**2.35**

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ANNEXURE: 5

PLACEMENT DETAILS

S.No	Academic Year/ Batch	No.of students	No. of Eligible Students	No. of students Placed	% of Placement
After the visit					
1.	2018-19 (2015 Batch)	248	239	201	84.10
2.	2017-18 (2014 Batch)	198	193	182	94.30
3.	2016-17 (2013 Batch)	139	133	98	73.68
				% Average for 3 years	**85.13**
Prior to the Visit					
4.	2015-16 (2012 Batch)	139	90	43	63.04
5.	2014-15 (2011 Batch)	130	92	58	42.59
6.	2013-14 (2010 Batch)	132	113	47	41.59
				% Average for 3 years	**50.16**

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ANNEXURE: 6

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Student Faculty Ratio:

Year	X			N	F	SFR=N/F
	2nd	3rd	4th			
CAY (2015-16)	216	144	144	504	33	15.27
CAYm1 (2014-15)	144	144	144	432	27	16
CAYm2 (2013-14)	144	144	144	432	27	16
					Average SFR	15.75

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- **2015-16 Considered as a Base Year**

Year	X			N	F	SFR=N/F
	2nd	3rd	4th			
CAY(2015-16)	216	144	144	504	32	15.75
CAYm1 (2014-15)	144	144	144	432	25	17.28
CAYm2 (2013-14)	144	144	144	432	25	17.28
Average SFR						16.77

Note: Faculty members with less than one year service were not taken into consideration while Calculating the SFR.

2015-16:
Total Faculty =35 (As per the recommendations of the NBA Committee experts)
M.Tech faculty =03
First year faculty =4
a= 35-3-4=28
b=5 (serving from other departments)
c=1 (our faculty serving for other departments)
F= a+b-c=28+5-1= 32
SFR=N/F= 504/32= 15.75

2014-15:
Total Faculty =28 (As per the recommendations of the NBA Committee experts)
M.Tech faculty =03
First year faculty =4
a= 28-3-4=21
b=5 (serving from other departments)
c=1 (our faculty serving for other departments)
F= a+b-c=21+5-1= 25
SFR=N/F= 432/25= 17.28

2013-14:
Total Faculty =28 (As per the recommendations of the NBA Committee experts)
M.Tech faculty =03
First year faculty =4
a= 28-3-4=21
b=5 (serving from other departments)
c=1 (our faculty serving for other departments)
F= a+b-c=21+5-1= 25
SFR=N/F= 432/25= 17.28

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ANNEXURE: 7

Faculty Retention

- **2015-16 Considered as Base Year**

CAYm2=100 % (30) **CAYm1= 83.3% (25)** **CAY=76.6% (23)**

	No.of Faculty in the Base Year year (2013-14)	No. of Faculty Carried over in academic year (2014-15)	No. of Faculty Carried over in academic year (2015-16)
	30	25	23
% of retention	100	83.3	**76.6**

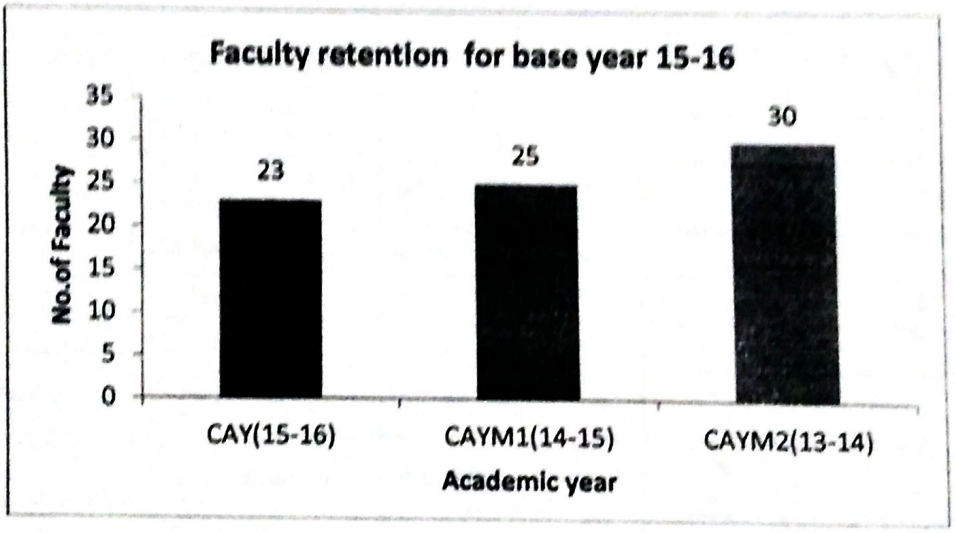

Fig: 5.2 Faculty Retention for the Base Year 2015-16

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ANNEXURE: 8

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Number of quality publications in refereed /SCI Journals:

International Journals			National Journals	International Conferences	National Conferences
Prior to the Visit					
167			06	22	31
After the Visit					
SCI	Scopus	other			
55	45	100	03	23	04

Number of scholars guided/guiding by RGM faculty

S. No.	Name of the Guide (RGM Faculty only)	Name of the Research Scholar	Regular		Part time		Name of the University	Date of Award
			Pursuing	Awarded	Pursuing	Awarded		
1)	Dr.V.Siva Reddy	Mr.HitishBhargav			-	Awarded	Gujarat Technical University	02.08.2018
2)	Dr.K.Thirupathi Reddy	Mr.C.RaviKiran	Pursuing				JNTUA	
3)		Mr.Y.Siva Nanda Reddy	Pursuing				JNTUA	
4)		Mr.JyothuNaik	Pursuing				JNTUA	
5)		Mr.SivaKumar.S			Pursuing		JNTUA	
6)	Dr.SyedAltafHussain	Mr.P.Naresh	Pursuing				JNTUA	
7)		Mr.Y.Suresh Babu			Pursuing		JNTUA	
8)	Dr.B .Sidda Reddy	Ms.H.Sumithra	Pursuing				JNTUA	
9)	Dr.M.Ashok Kumar	Mr.H.Ranganna			Pursuing		JNTUA	
10)		Mr.M.Venkteswarlu			Pursuing		JNTUA	
11)		Mr.Johnson M			Pursuing		JNTUA	

Department of Mechanical Engineering faculty pursuing Ph.D

S.No.	Name of the RGM Faculty only	Date of Ph.D Registration	Name of the University
12)	Mr. B.Chinna Ankanna	21.04.2015	JNTUA
13)	Mr.Y.Suresh Babu	16.05.2016	JNTUA
14)	MrY.Siva Kumar Reddy	07.01.2016	NIT, Warangal
15)	Mr.Aswartha Narayana	24.01.2014	SVU, Tirupati
16)	Mr.B.Ramakrishna	14.07.2016	NIT, Warangal
17)	ASHIF PERVAZE	11.07.2014	IIT,DHANBAD
18)	[illegible] ALAM	15.06.2015	IIT,DHANBAD

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2.6 Sponsored Research/Consultancy

(I) Details as provided in the SAR previously:

S. No	Funding Agency	Project Title/Scheme	Name of the Investigator/Co ordinator	Amount Sanctioned/P roposed(Rs.)	Sanctioned letter details/Year	Status
1.	SERB-DST	Development and performance evaluation of high efficient solar hot fluid generator (100-120^{0}C based dryer for agro-industrial application. File No : ECR/2016/000016	Dr. V. Siva Reddy	25,98,030/-	Dairy No:SERB/F/4663/2016-17, Dt: 28.09.2016	On going
2.	Extramural Research ICAR	Development of Solar Drying and Cold Storage facility for on-farm safe storage of horticultural produce	Dr. V. Siva Reddy	1,69,57,000/-		Proposal Submitted
3.	National Agricultural Science Fund, ICAR	An efficient biomass based power generation system for agro applications	Dr. V. Siva Reddy	3,00,00,000/-		Proposal Submitted
4.	Solar Energy Research Initiative, DST	Development of solar assisted vapour adsorption system for house hold air conditioning	Dr. V. Siva Reddy	99,68,400/-		Proposal Submitted
5.	SERB [Workshop Grant]	National workshop on 3D Printing	Dr. Syed AltafHussain	2,50,000/-		Proposal Submitted
6.	SERB [Conference Grant]	National Conference on Engineering Trends & Advanced Sciences[NCETAS-2017]	Dr. M.Ashok Kumar	3,55,000/-		Proposal Submitted
7.	AICTE	Research Promotion Scheme (RPS) Design & Development of Composite materials	Dr. K. T. Reddy & Dr. Syed AltafHussain	11,00,000/-	Letter No: 8023/RID/RPS-53/Pvt.(II policy)/2011-12	Completed
8.		MODROBS in I.C Engines Lab	Dr.K.T.Reddy	18,40,000/-	R.No.12/AICTE/RIFD/MOD[POLICY-4]Pvt-78 / 2012-13 Dated:03.07.2013	Completed
9.		Seminar Grant for "ETMESD"	Dr.K.T.Reddy	1,00,000/-	R.No.7-27/RIFD/SG/Policy-1/2013-14 Dated:25.07.2013	Organized
10.		SDP on ETMESD	Dr.K.T.Reddy	7,00,000/-		Submitted in Jan2014 &Not Selected
11.		RPS on "Performance Of Polymer Matrix Nano Composite Materials"	Dr.Syed Altaf Hussain	25,65,000/-		Submitted in Jan2014 & Not Selected

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12.		MODROBS in Machine Tools Lab	Dr.Syed Altaf Hussain	19.67,000/-		Submitted in Jan.2014
13.		National Work Shop on Composite Materials	Dr.Syed Altaf Hussain	6.00,000/-		Submitted in Jan.2014 & Not Selected
14.	UGC	Minor Research Project on " Bio-Fuels"	Mr.V.N.Reddy	5,00,000/-		Not Selected
15.		National Conference	Dr.K.T.Reddy	1.50,000/-		Proposal Submitted & Not Selected
16.		National Works Shop on Composite Materials	Dr.Syed Altaf Hussain	1,50,000/-		Proposal Submitted & Not Selected
17.		National Seminar on Alternative Fuels	Dr.K.T.Reddy	1,50,000/-		Proposal Submitted & Not Selected
18.		Major Research Project on " Fluid flow analysis of Bio- fuels"	Dr.K.T.Reddy	12,00,000/-		Proposal Submitted & Not Selected
19.		Major Research Project on " Machinability of Fiber Reinforced Composites"	Dr.Syed Altaf Hussain	12,00,000/-		Proposal Submitted & Not Selected
20.		Research Award Experimental Investigation/ Design and development on suitability of various Bio-Diesels for I.C Engines ID: RA-2014-16GE-ANP-5934	Dr. K. Thirupathi Reddy			Proposal Submitted &Not Selected
21.		Research Award Influence of B_4C on Tribological and Mechanical Properties of A17068/ B_4C Composites	Dr. Syed Altaf Hussain			Proposal Submitted &Not Selected
22.	ISRO	National Seminar on Energy conservation in Industry and commercial Buildings	Dr.K.V.NRao	01,25,000/-		Proposal Submitted & Not Selected
23.		National Seminar on Utilization of Renewable energy Resources	Dr.K.V.NRao	01,25,000/-		Proposal Submitted &Not Selected
24.	IE[I]	Design and development of Robotic arm for military application	Dr. Syed Altaf Hussain Dr.B.Sidda Reddy	1,10,000/-		Proposal Submitted & Not Selected
25.		Minor Research Projects on "Influence of B_4C on Mechanical And Tribological Properties of Al7076/	Mr.M.KhajaGulam Hussain	5,00,000/-		Proposal Submitted & Not Selected

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		B_4C Composites ROMRP-SERO-MECH-2015-16-8021				
26.	**Minor Research Projects (UGC)**	Performance, Analysis and Evaluation of Cascade Vertex Tube ROMRP-SERO-MECH-2015-16-27338	Mr. R. Madhu Kumar	4,50,000/-		Proposal Submitted & Not Selected
27.		Evaluation of Mechanical properties of Natural fiber composites ROMRP-SERO-MECH-2015-16-17542	Mr.V.Chandra Sekhar	5,00,000/-		Proposal Submitted (2014-15) & Not Selected
28.		Analysis of smart functionally graded sandwitch plates using simple and efficient refined plate theory ROMRP-SERO-MECH-2015-16-17222	Mr.Upendra Neravati	Rs. 5,00,000/-		Proposal Submitted (2014-15) & Not Selected
29.		Development and Properties of carbon Fiber/natural fiber Reinforced epoxy hybrid	Mrs. K. Sudha madhuri	4,50,000/-		Proposal Submitted (2014-15) & Not Selected

II) Details after evaluation (till the date of Compliance Report)

Name of the faculty	Project Title	Project Type Research/ Consultancy	Funding Agency	Amount Rs.	Duration
Dr. M. Ashok Kumar	Engineering Trends & Advance Sciences (NCETAS-2017) No:SB/SS/16/17.18	Conference	DST SERB	01,00,000.00	01 Year organized
Dr. V. Siva Reddy	Development and performance evaluation of high efficient solar hot fluid generator (100-120°C based dryer for agro-industrial application File No : ECR/2016/000016	Research	DST SERB	25,98,030.00	03 Years on going
Dr.T.Jaya Chandra Prasad-PI Dr. V. Siva Reddy-CPI	Project proposal on FIST-Project [level-0],Post-harvest loss reduction by using solar energy	Research	DST-FIST	32,00,000.00	03 Years On going
Dr. Syed AltafHussain	Refresher Training Program on Advances in Mechanical Engineering	FDP	AICTE/ ISTE	3,00,000.00	01 Year organized
Dr. Syed AltafHussain	Faculty Development Program on Advances in Materials and Manufacturing Technology	FDP	AICTE	4,00,000.00	01Year organized
Dr.B.Sidda Reddy	Vibration & damping analysis of Composite Structures under AICTE MODROBS AICTE Application ID:1-4181931680	MODROBS	AICTE	19,00,000.00	Sanctioned [not yet received grant] 02 Years
RGMCET	Unnath Bharath Abhiyan – UBA	Infrastructure Development	Govt. of India	2,50,000.00	Successfully completed 03 projects

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III) List of Sponsored Projects Submitted in the last three years:

S. No.	Funding Agency	Title	P.I Name	Budget(Rs)	Submitted Date	Remarks
1.	DST-SERI	Development of solar assisted vapour adsorption system for house hold air conditioning	Dr.V. Siva Reddy	99,68,400.00	28.5.2016	
2.	MMSME	Business Incubator	Dr.V. Siva Reddy	60,00,000.00	06-10-2016	
3.	National Research Development Corporation	Innovation Facility Centre	Dr.V. Siva Reddy	1,05,00,000.00	22-12-2016	
4.	AICTE	MODROBS [Machine Tools Lab]	Dr. Syed AltafHussain	19,50,000.00	09.01.2017	
5.	AICTE	Production of Soya Bean oil	Dr.V. Siva Reddy	21,00,000.00	10.01.2017	
6.	AICTE	Vibration & damping analysis of Composite Structures under MODROBS	Dr.B.Sidda Reddy	19,00,000.00	10.01.2017	
7.	AICTE	Innovation in Mechanical and Manufacturing Technology [FDP Program]	Dr. Syed AltafHussain	6,06,000.00	11.01.2017	
8.	DST-FIST	Project proposal on FIST-Project [level-1] Up-gradation of R&D facility in the area of Machine Design and Renewable Energy	Dr. Syed AltafHussain Dr.V. Siva Reddy	1,62,00,000.00	30.06.2017	
9.	NITI Aayog	Atal Incubation Centre	Dr.P.VGopi Krishna Rao Dr.V. Siva Reddy	9,77,10,000	30-8-2017	
10.	AICTE	Vibration and Damping analysis of Composite Structures	Dr.B.Sidda Reddy	13,06,476.00	22-11-2017	
11.		Advances in materials and manufacturing technology [FDP Program]	Dr. Syed AltafHussain	4,56,000.00	22-11-2017	Sanctioned/Completed
12.		Short Term Training Program on biodegradable nano composites in-situgeneration method of silver and copper and nano particles in natural fibres and fabrics Application ID:1-3558803864	Dr.V. Chandra Sekhar	2,37,000	22-11-2017	
13.	DST-SERB	A two day symposium on innovative ideas	Dr.M Ashok Kumar	3,50,000.00	23-12-2017	
14.	DST-SERB	Development and performance measurement of PLA self-reinforced composites	Dr. M Ashok Kumar	20,00,300.00	24-12-2017	
15.	AICTE	Short Term Training Program on introduction to finite element methods and its industrial applications	Dr. Syed AltafHussain	5,00,000	September 2018	
16.	DST	Development and Assessment of Poly (lactic acid) and Poly (butylene succinate)/Poly (butylene fumarate) Blended Biodegradable Polymer Composites for Health care Applications	Dr.M Ashok Kumar	1,28,29,996.00	March-2018	
17.	ISRO	Development and Assessment of Poly (lactic acid) and Poly (butylene succinate)/Poly (butylene fumarate) Blended Biodegradable Polymer Composites for Health care Applications	Dr. M Ashok Kumar	56,74,996.00	April-2018	

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18.	DST-SERB	Development of solar assisted vapour adsorption system for house hold air conditioning	Dr.V. Siva Reddy	55,00,000.00	July 2019	
19.	DST-SERB	International Conference on Recent Advancement and Innovations in Mechanical Engineering	Dr. M Ashok Kumar Dr.Amith Kumar Singh	07,00,000.00	October 2019	
20.	MST-SERD	Design,development of waste water treatment system for converting sewage water to drinking water by using integrated roof top solar humidification & dehumidification method. Regd.No: TPN/43172	Dr. B.Sidda Reddy Dr. V. Siva Reddy	01,04,36,446.00	November 2019	
21.	DST-TIDE-SEED	Design, development and performance evaluation of solar assisted motorized wheel chair for loco motor disability persons.	Dr.B.Sidda Reddy Dr.V. Siva Reddy	48,74,000.00	November 2019	
22.	AICTE	Faculty Development Programs on Renewable Energy intervention in industry commercial and domestic applications. Application Id 1-7031003081	Dr.B.Sidda Reddy	5,05,000.00	December 2019	
23.	AICTE	Short Term training Program on Mechanical ,Tribological and machining behaviour of metal matrix composites Application Id 1-7020074404	Dr. Syed AltafHussain	5,00,000.00	December 2019	
24.	AICTE	Short Term Training Program on Advances in Eco Friendly biodegradable Composites	Dr. V. Chandra Sekhar	5,00,000.00	December 2019	
25.	AICTE	Short Term Training Program on development and impact damage modelling in laminated composite air craft structures Application Id 1-7094788721	Dr.M.Ashok Kumar	5,00,000.00	December 2019	
26.	AICTE	Short Term Training Program on Natural Fibre reinforced biodegradable composite films Application Id 1-7094934141	Dr. K. SudhaMadhuri	5,00,000.00	December 2019	
27.	AICTE	Short Term Training Program on New Trends in Internal Combustion Engines	Dr.V. Nageswar Reddy	5,00,000.00	December 2019	
28.	AICTE	Short Term Training Program on Recent advances in Non-traditional machining Application Id 1-7069217511	Dr.G.Venkatesh	5,00,000.00	December 2019	
29.	AICTE	Short Term Training Program on Emerging Trends in Mechanical Engineering for Sustainable Development Application Id 7095281192	Dr. K. Thirupathi Reddy	5,00,000.00	December 2019	
30.	AICTE	Modernization of Metrology and Machine Tools Lab	Dr. K. Thirupathi Reddy	5,00,000.00	December 2019	

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		Application Id 1-7034513881				
31.	AICTE	Establishment of Energy Audit Lab under MODROBS Application Id 1-6204888414	Dr.V. Siva Reddy	20,00,000.00	September 2019	
32.	AICTE	Development and performance valuation of integrated roof top solar humidifier and freezer dehumidifier for recovery of water and salt from saline water under RPS Application Id 1-4135196893	Dr.V. Siva Reddy	19,00,000.00	July 2019	

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ANNEXURE: 9

LIST OF TECHNICAL STAFF

S. No	STAFF NAME	DESIGNATION	QUALIFICATION
1.	Mr.A.V.Papaiah	Lab Technician	DME
2.	Mr.G.Sreenivasulu	Lab Technician	D.M.E, B.Tech
3.	Mr.D.Siva Kumar	Lab Technician	D.M.E,B.Tech
4.	Ms.M. Jaya Malleswari	Lab Technician	B.Tech
5.	Mr.T.RajaSekhar	Lab Helper	I.T.I,(MBA)
6.	Mr.K.Bhupal Reddy	Lab Helper	I.T.I
7.	Mr.T.VSudarsan Reddy	Lab Helper	I.T.I
8.	Mr.MMD.Nawaz	Lab Helper	I.T.I
9.	Mr.Sivaiah	Lab Helper	I.T.I
10.	Mr.Rama Krishna	Lab Helper	I.T.I
11.	Mr.B.Ramana Reddy	Lab Helper	I.T.I
12.	Mr.MahaboobBasha	Lab Helper	I.T.I
13.	Mr. B. Sreenivasulu Reddy	Dept. Clerk	B.A
14.	Mr. G. Satheesh	Programmer	MCA
15.	Mr.T. Sri HariBabu	Lab Helper	-
16.	Mr. B. Peddaiah	Lab. Asst	D.M.E
17.	Mr.A. Irfan	Lab. Asst	D.M.E
18.	Mr.S. habibullah	Lab. Asst	D.M.E
19.	S.J. Mohammed Yusu	Lab. Asst	D.M.E
20.	Mr.P. Sharuk	Lab. Asst	D.M.E
21.	Mr. S.RamaMaddileti	Lab Helper	I.T.I

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SCANNED COPIES OF ATTENDANCE REGISTER OF TECHNICAL STAFF:

REGISTER OF ATTENDANCE & FEES

Name of the Institute R.G.M.C.E.T. (Autonomous)

Sl. No.	Admission No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12
	1.	A.V. Papaiah												
	2.	G. Sreenivasulu												
	3	D. Siva Kumar												
	4	T.V. Sudharshan Reddy												
	5	T. Rajasekhar												
	6	M. Md. Nawaz												
	7	K. Bhupal Reddy												
	8	S. Ramakrishna												
	9	N. Sivaiah												
	10	B. Ramana Reddy												
	11	M. Jaya Malleswari												
	12	B. Srinivasula Reddy												
	13	T. Sai Hari Babu												
	14	G. Sateesh												

Number present M
Daily E

Signature of Hod

Initials M
E

Signature of principal

No. on roll at the beginning of month | Admitted during the month | Left No. on roll at end of month

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REGISTER OF ATTENDANCE & FEES

Name of the Institute ..RG.M.C.E.T. (Autonomous).....

Sl.No.	Admission No.	NAMES	1	2	3	4	5	6	7	8	9	10	11	12
	15.	S. Mahaboob Basha.												
	16	S. Rama Madelilaty.												
	17	M. B. Peddaiah.												
	18	A. Irfan.												
	19	S. Habibulla.												
	20	S. J. Mohammad Yousuf.												
	21.	P. Shaduk.												

Number present M
Daily E

Signature of HOD

Initials M
E

Signature of Principal.

No. on roll at the beginning of month | Admitted during the month | Left No on roll at end of month

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ANNEXURE: 10

Impact of Remedial Classes:

II B.Tech. I Sem. (R12) (Autonomous) Regular- Nov-2014

S.No	Subject	No of Students Appeared	No of Students Passed	No of Students Passed after Remedial Classes in the academic Year 2014-15	No of Students Passed after Remedial Classes in the academic Year 2015-16	No of Students Passed after Remedial Classes in the academic Year 2016-17
1	Mathematics-II	147	118	15	10	1
2	Electrical & Electronics Engineering	151	130	16	4	0
3	Engineering Thermodynamics	143	131	8	3	1
4	Mechanics of Solids	147	132	9	2	2
5	Machine Drawing	141	141	-	-	-
6	Material Science & Metallurgy	144	132	9	3	-

II B.Tech. II Sem. (R12) (Autonomous) Regular-May-2015

S.No	Subject	No of Students Appeared	No of Students Passed	No of Students Passed after Remedial Classes in the academic Year 2015-16	No of Students Passed after Remedial Classes in the academic Year 2016-17
1	Environmental Studies	142	127	12	1
2	Probability & Statistics	139	128	6	2
3	Kinematics of Machinery	139	136	1	0
4	Internal Combustion Engines	137	135	0	1
5	Fluid Mechanics & Hydraulic Machinery	142	130	6	6
6	Manufacturing Technology	145	135	5	5

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III B.Tech. I Sem. (R12) (Autonomous) Regular-Nov-2015

S.No	Subject	No of Students Appeared	No of Students Passed	No of Students Passed after Remedial Classes in the academic Year 2015-16	No of Students Passed after Remedial Classes in the academic Year 2016-17
1	Managerial Economics & Financial Analysis	140	137	2	0
2	Thermal Engineering	141	132	7	4
3	Design of Machine Elements-I	142	131	3	0
4	Dynamics of Machinery	140	133	5	0
5	Mechanical Measurements	139	135	2	1
6	Machine Tools	144	136	7	0

III B.Tech. II Sem. (R12) (Autonomous) Regular-May-2016

S.No	Subject	No of Students Appeared	No of Students Passed	No of Students Passed after Remedial Classes in the academic Year 2016-17
1	Industrial Management	141	127	9
2	Heat Transfer	145	125	2
3	Engineering Metrology	140	132	4
4	Design of Machine Elements-II	143	129	1
5	Tool Design	141	133	1
6	Finite Element Methods	141	125	5

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NATIONAL BOARD OF ACCREDITATION

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NATIONAL BOARD OF ACCREDITATION

File No. 11-04/2010/NBA

October 11, 2013

To

The Principal
Rajeev Gandhi Memorial College of Engineering & Technology,
Nandayal – 518501, Kurnool Dist,
Andhra Pradesh
Ph. No: 08514-275203/01/02/04/275231

Sub: Accreditation status of programmes applied by Rajeev Gandhi Memorial College of Engineering & Technology, Nandayal, Kurnool Dist., Andhra Pradesh.

Dear Sir/Madam,

This is with reference to application dated 02-02-2010 from Rajeev Gandhi Memorial College of Engineering & Technology, Nandayal, Kurnool Dist., Andhra Pradesh seeking NBA accreditation to various UG Programmes.

2. An Expert Committee conducted an on-site evaluation of the programmes on 04th to 06th May, 2012. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meetings held on 03-08-2012, 16-02-2013 and 07-09-2013. The Sub-Committee of Academic Advisory Committee on Engineering considered the recommendations of EAEC at its meeting held on 11-09-2013. The Executive Committee of the National Board of Accreditation considered the recommendations of the Sub-Committee of Academic Advisory Committee on Engineering at its meeting held on 18-09-2013. The Executive Committee approved the accreditation status of the programmes as given in the table below.

Sl. No.	Name of the Programmes (UG)	Accreditation Status	Period of validity w.e.f. 18-09-2013	Remarks
(1)	(2)	(3)	(4)	(5)
1.	Computer Science & Engineering	Provisionally Accredited	2 Years	Accreditation Status granted is valid till the programme has the approval of the Competent Authority or the period given in Col. '4', whichever is earlier.
2.	Mechanical Engineering	Provisionally Accredited	2 Years	
3.	Information Technology	Provisionally Accredited	2 Years	
4.	Electronics & Instrumentation Engineering	Provisionally Accredited	2 Years	
5.	Electronics & Communication Engineering	Provisionally Accredited	2 Years	
6.	Electrical & Electronics Engineering	Provisionally Accredited	2 Years	

3. The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to Rajeev Gandhi Memorial College of Engineering & Technology, Nandayal, Kurnool Dist., Andhra Pradesh as a whole. **As such the Institution should nowhere alongwith its name including on its letter head etc., write that it is accredited by NBA because it is programme accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** The complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

D. K. Paliwal

Contd/...

4. The accreditation status of the above programmes is subject to change on periodic review, if needed, by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the Table in paragraph 2 above, appears on the website and information bulletin of your Institution.

5. The accreditation status awarded to the programmes as indicated in Table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

6. Copies of the Comprehensive Report submitted by the Chairman of the Expert Committee alongwith the detailed reports submitted by the Expert Team for the programmes evaluated which visited your Institution are enclosed for reference and to take necessary action to improve upon the shortcomings, if any, pointed out by the Expert Team.

7. If the Institution is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

D.K. Paliwal

(Dr. D.K. Paliwal)
Member Secretary

Note: Under Para 3.4.4 of Chapter 3 of the Manual of Accreditation, 2013, it is provided that the application for accreditation received in an academic year will be considered in next academic year. Therefore, the Institute may apply if it so desires, in the academic year 2014-15 for full accreditation of the provisionally accredited programme (s) in order to have continuation of accreditation.

Encls: 1. Copy of Report of Chairman of the Visiting Team
2. Copies of Expert Reports of the Visiting Team.

Copy to:

1. The Vice Chancellor, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad - 500 085, Andhra Pradesh.
2. The Principal Secretary (Higher Education) Government of Andhra Pradesh, J Block, 4th Floor, Secretariat Building, Hyderabad-500022.
3. The Director of Technical Education, Dept. of Technical Education, Govt. of Andhra Pradesh, Vth Floor, BRK Complex, Tarbund Road, Hyderabad-500063, A.P.
4. Member Secretary, AICTE, Chanderlok Building, Janpath, New Delhi-110001
5. Accreditation File
6. Master Accreditation Folder of the State.

Mechanical Engineering N.B.A-2012

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REPORT OF THE EXPERT COMMITTEE VISIT

FOR

ACCREDITATION

OF

UNDER GRADUATE PROGRAMME

NBA

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BHISHMA PITAMAHA MARG, PRAGATI VIHAR,
LODHI ROAD, NEW DELHI-110003

Criterion – I: Organization and Governance, Resources, Institutional Support, Development and Planning

Item No.	Item Description	Max. Points	Points Awarded	*Remarks
I-I.1	Campus Infrastructure and facility	30	20	good ambience.
I-I.2	Organization, governance and transparency	20	12	
I-I.3	Budget allocation and utilization	10	07	good.
I-I.4	Library	25	17	spacious
I-I.5	Academic support units and common	20	12	
I-I.6.	Internet	5	03	available.
I-I.7	Co-curricular and extra curricular activities	10	07	good.
I-I.8	Career guidance, Training, placement and Entrepreneurship cell	15	09	More efforts are required.
I-I.9	Safety norms and Checks	5	04	good.
I-I.10	Emergency medical care and first-aid	10	05	More facility in campus is required.
	Total	150	96	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

Dr A.T.Pune

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Evaluators' Report on Accreditation Visit

Name of the Programme	:	Mechanical Engineering
Name and address of the Institute	:	Rajeev Gandhi Memorial College of Engineering & Technology Nandyal - 518 501, A.P.
Name of the Affiliating University	:	JNTU Anantapur, (AP)
Dates of the Accreditation Visit	:	May 4th-6th 2012
Name, Designation and Affiliation of Program Evaluator 1	:	Dr. P. K. Mishra Professor in Mechanical Engineering MNNIT Allahabad (UP)
Name, Designation and Affiliation of Program Evaluator 2	:	Dr. A. T. Pise Professor & Head Deptt of Mechanical Engineering Govt College of Engineering Karad Maharashtra.
Name, Designation and Affiliation of Team Chairperson	:	Dr. K. K. Agarwal Former V.C. GGS Indraprastha University [NO]

(Program Evaluator 1)
Signature

(Program Evaluator 2)
Signature

(Team Chairperson)
Signature

Criterion – II: Evaluation and Teaching-Learning

Item No.	Item Description	Max. Points	Points Awarded	*Remarks
II-I.1	Evaluation system	40	30	— effective evaluation system exists
II-I.2	Tutorial Classes/remedial classes/mentoring	20	11	Tutorials classes should be held as per norms.
II-I.3	Teaching evaluation process : Feedback system	30	22	— system exists
II-I.4	Self learning and Learning beyond syllabus	20	11	— extra efforts are required.
II-I.5	Faculty Ratio and qualification for First Year Common Courses	25	20	— good.
II-I.6	Academic performance in First Year Common Courses	40	21	- Performance need to be improved.
	Total	175	115	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion – IV : Faculty Contributions

Item No.	Item Description	Max. Points	Points Awarded	*Remarks
IV- P.1	Faculty in position : Teacher-Student Ratio	20	18	good.
IV- P.2	Faculty in position : Cadre Ratio	20	17	—
IV- P.3	Faculty qualification	40	25	It needs improvement.
IV- P.4	Faculty retention	20	10	More attention may be required to retain the faculty.
IV- P.5	Research publications and IPR	20	12	It should be upgrated.
IV- P.6	Externally funded R & D projects and consultancy work	20	09	Faculty should be encouraged to acquire more projects.
IV- P.7	Interactions of faculty members with outside world	10	04	It should be regourlegarly encouraged.
Total		150	95	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion – III : Students' Entry and Outputs

Item No.	Item Description	Max. Points	Points Awarded	*Remarks
III- P.1	Students admission	10	09	Seats are almostly filled.
III- P.2	Success Rate	30	16	– Improvement is needed.
III- P.3	Academic performance	30	17	– Improvement is needed.
III- P.4	Placement and higher studies	40	27	– more efforts are required
III- P.5	Professional activities	20	15	– good.
III- P.6	Students' projects quality	20	16	– good.
	Total	150	100	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion VIII: Programs Educational Objectives – Their Compliance and Outcomes

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VIII-P.1	Course objective and mapping	20	14	May the awareness be increased among the faculty & students.
VIII-P.2	Assessment outcomes	20	12	– better
VIII-P.3	Mapping with faculty expertise	20	12	– better
VIII-P.4	Mapping with outcomes	20	12	– better
VIII- P.5	Significant achievements	20	10	– More efforts are required towards the various achievements
	Total	**100**	60	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion VII: Curriculum

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VII-P.1	Contents of basic sciences, HSS professional core and electives, and breadth	40	26	syllabus is Univ. based.
VII-P.2	Emphasis on laboratory and project work	30	20	good.
VII-P.3	Curriculum updates and PEO reviews	30	20	Partially good.
VII-P.4	Additional contents to bridge curriculum gaps	25	18	good.
	Total	125	84	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion VI: Continuous Improvements

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VI-P.1	Improvement in Success Index of students	10	04	continuous efforts may be made for improvement -
VI-P.2	Improvement in academic performance of students	10	06	
VI-P.3	Enhancement of faculty qualifications and retentions	15	06	More faculty may be deputed for in higher studies.
VI-P.4	Improvement in Faculty activities in research publication, R & D work and consultancy, Interaction	15	10	— More efforts are required.
VI-P.5	Continuing education	10	07	— good.
VI-P.6	New facility created	10	06	—
VI-P.7	Overall improvements since last accreditation, if any, otherwise, since establishment	5	03	— Progress is slow.
	Total	75	42	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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Criterion V: Facilities and Technical Support

Item No.	Item Description	Max. Points	Points Awarded	*Remarks
V-P.1	Class rooms	15	08	May be modernized.
V-P.2	Faculty rooms	15	08	More facility in the rooms may be provided.
V-P.3	Laboratories including computing facility	25	17	—
V-P.4	Technical manpower support	20	11	Tech. Manpower may be increased and their skill should be upgraded regularly.
	Total	75	44	

*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

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(ME)

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Chairperson's Report

*Strengths:

1. A good platform for higher Technical Education in a Rural Environment.
2. The program is attracting good quality students
3. Overall Infrastructure is adequate

*Weaknesses:

1. The number & size of laboratories for Core Courses is less than desired.
2. The number of Teaching supporting staff in the laboratories is less.

*Deficiencies, if any

1. The faculty and student, all are to be made aware of Program objectives, etc.
2. More Research Leadership is required

*Additional Remarks, if any

1. In addition, I agree with the observations of the Subject Experts.
2. Recommended for "Provisional Accreditation" at present.

(*Separate sheet may be attached, if necessary)

(Team Chairperson)

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(ME)

Summary Assessment

No.	Criterion Descriptor	Max. Points	Qualifying Points	Points Awarded	Qualified?
I	Organization and Governance, Resources, Institutional Support, Development and Planning	150	100	96	~~Yes~~/No
II	Evaluation and Teaching-Learning	175	115	115	Yes/~~No~~
III	Students' Entry and Outputs	150	100	100	Yes/~~No~~
IV	Faculty Contributions	150	100	95	~~Yes~~/No
V	Facilities and Technical Support	75	---	44	---
VI	Continuous Improvements	75	---	42	---
VII	Curriculum	125	---	60	---
VIII	Program Educational Objectives - Their Compliance and Outcomes	100	---	84	---
	Total	1000		636	

(Program Evaluator 1)

(Program Evaluator 2)

(Team Chairperson)

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Criterion IX: General Report about the strengths, weaknesses and deficiencies, if any

*Strengths:

- The management is effective and co-operative.
- The faculty is dedicated.
- The infrastructure is good.

*Weaknesses:

- Purchase procedure needs to be streamlined.
- Due attention must be extended to tutorial classes and classrooms.
- Faculty may be provided better ambience and facilities.
- More elaborative academic calender should be made.
- Faculty quality should be upgraded.

*~~Deficiencies, if any~~

- More awareness among faculty & students regarding PBO, CBO is required.
- Non-Teaching staff may be increased and upgraded regularly

Deficiency:- - More hygenic conditions in hostels may be created.

- More sports facility may be created.
- Facility may be provided to work beyond working hours.

*Additional Remarks, if any

- Sixth pay commission may be implemented to encourage the efficiency of the staff.

(*Separate sheet may be attached, if necessary)

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प्रो. प्रसाद कृष्णा
सलाहकार-I
Prof. Prasad Krishna
ADVISER-I (Quality Assurance)

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)
राष्ट्रीय प्रत्यायन मंडल (रा.प्र.म.)
NATIONAL BOARD OF ACCREDITATION (NBA)
(Constituted Under Clause 10(u) of AICTE act. 1987)

F.No. NBA/ACCR–183/2003
May 9, 2007

To
The Principal/Director
Rajeev Gandhi Memorial,
College of Engineering & Technology,
NH-18, Nandyal – 518 501,
Kurnool Distt., Andhra Pradesh

Sub: NBA Decision on Accreditation Status of Programmes offered by your Institution.

Dear Prof.

With reference to your application for accreditation of the following programme (s) and the Expert Committee visit to your institution, the report of the visit team was considered by the various Sectoral Committees and subsequently by the National Board of Accreditation in its meeting held on 04.05.07. Based on the recommendations of the Board, I am pleased to communicate the Accreditation Status of the following programme (s) from your Institution.

Sl.No.	Name of Programme(s) (UG)	Accreditation Status	Period of validity w.e.f. 04.05.07
1.	Computer Science & Engg.	Accredited	3 Years
2.	Information Technology	Accredited	3 Years
3.	Electronics & Communication Engg.	Accredited	3 Years
4.	Electrical & Electronics Engg.	Accredited	3 Years
5.	Mechanical Engg.	Accredited	3 Years
6.	Electronics & Instrumentation Engg.	Accredited	3 Years

(Total number of programmes **Accredited** vide this letter – **Six** and **Not Accredited** – **NIL**).

The Accreditation status awarded to the above programmes of your institution does not imply accreditation to the College / Institution as a whole. Complete name of the Programme(s) Accredited and its period of validity, as well as the date from which the award is effective, should be quoted unambiguously whenever it is used. The accreditation status of the above programmes is subject to periodic review by the NBA Secretariat and will be changed if major deficiencies are identified on surveillance. You are also requested to comply with the mandatory disclosure of pertinent information as per the proforma placed in the AICTE website with respect to accredited programmes of your institution. The same information should also appear in the website and information bulletin of your institution clearly indicating the date of publication of the same.

The status awarded to the above programmes of your college / Institution is on the presumption that the programmes would maintain the current standards in future. If there are any changes that would effectively

Cont ….. 2

चौथा तल, ईस्ट टावर, एन.बी.सी.सी. प्लैस, भीष्म पितामाह मार्ग, प्रगति विहार, नई दिल्ली –110003
4th Floor, East Tower, N.B.C.C. Place, Bhishma Pitamaha Marg, Pragati Vihar, New Delhi -110003
Telephone : 24369633, Fax : 24369624, EPBAX : 24369619 - 22, E-mail : krishnprasad@gmail.com

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after the status (such as, major changes in faculty strength or changes in the organizational structure, etc.), the same shall be communicated to the undersigned, with an appropriate explanatory note. A comprehensive report submitted by the Chairman of the expert committee who visited your institution and the distribution of marks/points awarded for each programme against the accreditation parameters are enclosed for further necessary action at your end to overcome the shortcomings observed in each programme. If you are not satisfied with the decision of the Board, you may forward your appeal application with requisite fee within thirty days of receipt of this communication.

Let me also take this opportunity to congratulate all those who have contributed to the quality enhancement of programmes that secured accreditation by NBA.

With best wishes,

Yours Sincerely

(Prasad Krishna)

1. The Vice Chancellor, Jawaharlal Nehru Technological University, Hyderabad – 500 072, A.P.
2. The Secretary, Deptt. of Technical Education, Govt. of Andhra Pradesh, BRKB Bhawan, Hyderabad- 500 063, A.P.
3. The Southern Regional Office , AICTE, Shastri Bhawan, 26 Haddows Road, Chennai – 600 006
4. Accreditation file.
5. Guard file.

(Prasad Krishna)

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Confidential

No. PK/NBA/ACCR-183/2007 14 February 2007

By Courier

Sub: NBA Accreditation Visit to RGM College of E&T, Nandyal, Andhra Pradesh

Your Ref: No. F.No. NBA/ACCR-183/03 dated 29 January 2007

Dear Prof. Prasad Krishna,

Kindly find attached herewith a report concerning the visit of the NBA Expert Team to Rajiv Gandhi Memorial College of Engineering & Technology, Nandyal, Andhra Pradesh. The visit took place from February 9-11, 2007

With best regards,

Yours sincerely,

(Prem Krishna)

Encl: As above

Prof. Prasad Krishna
Adviser-I (Quality Assurance)
National Board of Accreditation (NBA)
All India Council for Technical Education
4th Floor, East Tower, NBCC Place
Bhisham Pitamaha Marg
Pragati Vihar, New Delhi 110003

Tel No.: 011- 24 36 9624

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REPORT ON NBA ACCREDITATION VISIT TO RAJIV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY, NANDYAL, ANDHRA PRADESH

The Rajiv Gandhi Memorial College of Engineering & Technology, Nandyal, Andhra Pradesh was established in 1995 and is affiliated to the Jawahar Lal Nehru Technical University, Andhra Pradesh. The college is located in a developing region of Andhra Pradesh on a 30 acre site. The courses under consideration were:

BE Mechanical Engineering
BE Electronics & Communication Engineering
BE Electrical & Electronics Engineering
BE Computer Science & Engineering
Electronics & Instrumentation Engineering
B.Tech. Information Technology

The first four courses were accredited in 2003 for a period of three years. All these courses are at the undergraduate level. The Expert Team that visited the college is listed in Appendix '1'.

The team met different groups of persons concerned - students, faculty, supporting staff, alumni, parents, and representatives from the management. Further, the team visited central / common facilities and the experts interacted with their respective departments. The programme followed by the Team is at Appendix '2'. On the basis of the interaction at different levels, the following points emerged as obvious strengths of the college besides those issues which required to be addressed for improvement.

Points of Strength

1. The management is committed to develop the college to higher standards.
2. The college is endowed with adequate land area and financial resources.
3. Good building space has been created and more buildings are being added. The buildings and the campus is reasonably well maintained.
4. The library is good and spacious.

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5. Laboratories are well equipped, maintained and utilized.

6. The teaching programme is implemented effectively.

7. Students' performance is good and there is a fair placement record. However, a more pro-active role is required in this respect. It may be fruitful to create a suitable staff-student interactive mechanism for this purpose.

8. The institution has been identified for TEQIP support.

9. The transportation facilities are good and so are the hostels for both boys and girls.

Points requiring attention for further improvement:

1. There is a shortage of experienced faculty. There is a need to give greater attention to this aspect and workout ways of attracting and retaining good faculty through more incentives.

2. There are at present no service rules(though it was informed that these are being drafted). There is no representation of the faculty in the Governing Council. This will be desirable.

3. There are hardly any promotional avenues and opportunities for skill upgradation for the supporting staff. Service rules need to be framed for this category of staff as well as, and an appropriate cadre created.

4. The R&D work is meagre and publication record is also not upto the mark. Specific budgetary provisions should be made for R&D work.

5. The college does not attract any significant sponsored consultancy.

6. There is a need to add more faculty residences and further increase the boys' and girls' hostel capacity. The office space and other amenities for the faculty are woefully inadequate.

7. The facilities for sports and games need to be enhanced considerably.

R.G.M. College of Technology & Engineering

Summary Assessment

Criteria	B. Tech Mechanical Engg.	BE Electron. & Instru. Engg	BE Electron. & Comm. Engg.	B.Tech Inform. Tech.	BE Comp. Sci., & Engg.	BE Elect & Electron. Engg
Organisation & Governance (80)	51	52	51	51	51	51
Financial Resources, Allocation & Utilization (70)	55	59	61	53	56	55
Physical Resources (50)	38	38	38	38	38	38
Human Resources: Faculty & Staff (200)	133	121	127	136	125	129
Human Resources: Students (100)	80	80	81	88	80	80
Teaching-Learning (350)	248	255	245	225	244	252
Supplementary Processes (50)	27	28	28	27	27	27
R & D (100)	32	35	32	42	39	30
Total = 1000	664	668	663	660	660	662

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Dr. Prem Krishna
Honorary Visiting Professor
Department of Civil Engineering
Indian Institute of Technology
Roorkee 247 667 (U.A.)

Encls: 1) Appendix '1'
2) Appendix '2'

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राष्ट्रीय प्रत्यायन मंडल (रा.प्र.मं.)
NATIONAL BOARD OF ACCREDITATION (NBA)
(constituted under clause 10(U) of AICTE Act, 1987)

F. No. NBA/ACCR –183/2003
Dated 18/09/2003

Dr. P. N. RAZDAN
Member Secretary

To
The Principal
Rajiv Gandhi Memorial College of Engg & Technology
NH – 18, Nandyal – 518 501.
Dist. Kurnool (A.P.)

Sir,

Sub : NBA Accreditation to your institutional programmes

This is with reference to your proposal for accreditation of the following programmes and the NBA accreditation visit to your institution. The report of the accreditation visit was considered by the Sectoral Committee and subsequently by the National Board of Accreditation in its meeting held on September 12, 2003. Based on the recommendations of the Board, I am directed to convey the following accreditation Status of various Programmes.

S.NO.	Name of Programme(s)	Accreditation Status	Period of validity w.e.f. 12-09-2003
1.	B.Tech. Electrical & Electronics Engg	Accredited	3 years
2.	B.Tech. Electronics & Communication Engg.	Accredited	3 years
3.	B.Tech. Computer Science & Engg	Accredited	3 years
4.	B.Tech. Mechanical Engg	Accredited	3 years

(Total number of programmes **Accredited** vide this letter – **Four**)

The Accreditation Status awarded to the various programmes of your institution does not imply accreditation to the College/Institution as a whole. The full name of the Programme accredited and the period of validity of accreditation, as well as the date from which the award is effective, should be quoted unambiguously whenever it is used.

The Status awarded to the above programmes of your College/Institution are on the presumption that the Institute would maintain the current standards in future. If there are any changes that would effectively alter the status (such as, major changes in faculty availability or changes in the management structure, etc), the same shall be communicated to the Member Secretary NBA, with an appropriate explanatory note.

Yours sincerely.

RRazdan

(P.N. Razdan)

C.C – (i) The Vice Chancellor, J.N.T.U, Hyderabad.
(ii) The Secretary Govt. of Andhra Pradesh, Hydearbad.
(iii) The S.R.O Chennai.

(P.N. Razdan)

अखिल भारतीय तकनीकी शिक्षा परिषद, इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
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visit us at http//www.nba-aicte.org

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राष्ट्रीय प्रत्यायन मंडल (रा.प्र.मं.)
NATIONAL BOARD OF ACCREDITATION (NBA)

(constituted under clause 10(U) of AICTE Act, 1987)

F. No. NBA/ACCR –183/2003
Dated 23.09.2003

Dr. P. N. RAZDAN
Member Secretary

17/11/03
06/11
12.37
17/11/03

To

The Principal
Rajiv Gandhi Memorial College of Engg & Technology
NH – 18, Nandyal – 518 501.
Dist. Kurnool (A.P.)

Sir,

Sub : Strengths and suggestions to improve the weaknesses of the programmes of your Institute

This is with reference to our earlier letter of even no. dated 20/05/2003 regarding accreditation of various programme(s) of your Institute. The strengths and suggestions to improve weaknesses of the respective programme(s) as observed by the members of the visiting expert committee are enclosed herewith.

Thanking you,

Yours sincerely,

Razdan
(P. N. Razdan)

Enclosures: As stated above

अखिल भारतीय तकनीकी शिक्षा परिषद, इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
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visit us at http://www.nba-aicte.org

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Rajiv Gandhi Memorial College of Engineering & Technology
Nandyal,Andhra Pradesh

A. Strengths Observed:

Institutional:

- Well committed management.
- Some incentive scheme exist.
- Committed leadership.
- Good capital resources
- Adequate land and buildings.
- Excellent transport facilities
- Well defined recruitment procedure.
- Adequate central facilities.
- Library is spacious and reasonably well established.
- Reasonably good hostel facilities.
- Good canteen.

Programme specific:

Electrical & Electronics Engg.

- Attitude of the supporting staff is positive.
- Well established practice prescribed by the University is followed.
- Excellent academic result.
- Syllabus is standard.
- The academic calendar is followed strictly.
- Reasonably well –equipped laboratory.
- Instruction programme is reasonably well implemented
- Professional societies and Alumni association in place.

Electrical & Communications Engg

- Well qualified technical staff.
- Positively oriented ,involved & committed staff.

06.11.03

Recorded

डॉ॰ पी॰ एन॰ रा[illegible]
Dr. P. N. RA[illegible]

अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Tech. Edu
नई दिल्ली/New Delhi

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- Very good academic result.
- Syllabus is standard and academic calendar is followed.
- Instruction programme is reasonably well implemented.
- Professional societies and Alumni association in place

Computer Science & Engg.

- Student feedback taken periodically.
- Committed support staff with zeal to grow.
- Standard practices are followed strictly.
- Good academic result.
- University academic calendar is followed strictly..
- Good labs with nicely maintained equipments.
- Evaluation system is effective.
- Computers are in abundance with licensed software.
- State of the art equipment
- Finances are available for modernization.
- Professional societies and Alumni society are in place.

Mechanical Engineering

- Student feedback is employed.
- Number is adequate in central facilities.
- Attitude and involvement of supporting staff is good
- Well established practices are adhered.
- Academic results are good
- Academic calendar is followed .
- Adequate evaluation procedure & feedback.
- Lecture & lab classes are well implemented
- Professional societies and Alumni activities are in place.

B. Suggestions for improving the weaknesses observed:

Institutional:

- Mission and goals need to be further refined.

06.11.03

Dr. P. N. Rajan
सलाहकार
अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Tech. Edu
नई दिल्ली/New Delhi

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- Inadequate delegation of power.
- Communication facilities need upgradation.
- Medical facilities need upgradtion.
- Extra-curricular activities need be to encouraged

Programme specific:

Electrical & Electronics Engg.

- Many faculty members on adhoc appointment.
- Faculty development needs more attention.
- Number of technical staff in the department are not well qualified and less in number.
- Performance appraisals need improvement.
- Focus on competitive examination required.
- Employment through campus selection is not satisfactory
- ET facilities & consumable budget need enhancement .
- Continuing education programme and consultancy need considerable attention.
- More frequent industrial visits needed
- Significant amount of efforts and budget required for R &D activities

Electrical & Communications Engg

- Substantial faculty on adhoc basis.
- Faculty development needs more attention.
- Frequency of recruitment is low.
- Performance appraisals need formal systems
- Focus on competitive examination required.
- Employments through campus need improvement.
- ET facilities & consumable budget need enhancement
- Continuing education programme and consultancy need considerable attention.
- More frequently industrial visits needed.
- Considerable effort and attention to R &D work required.

Computer Science & Engg.

- Lack of budget awareness at department level.

06.11.03

डॉ० पी० एन० राजदान
Dr. P. N. RAJDAN
सलाहकार/ Advisor
अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Tech. Ed.
नई दिल्ली/New Delhi

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- Communication facilities need augmentation.
- Research and Consultancy needs to be initiated.
- Faculty development activities need considerable improvement.
- Number of support staff in lab. is inadequate.
- Frequency of recruitment is low.
- Formal appraisal has to be strengthened.
- Placement activities need to be considerably improved with proper support & involvement of students
- Frequency of course revision need to be high.
- Internet facility requires improvement .
- Department library needs to be stocked properly.
- Budgeting for consumables need to be in place
- Tutorials required to be made more effective..
- Use of modern teaching mechanisms is lacking.
- Consultancy & continuing education programs need considerable improvement.
- Industrial visits, Extension lecturers & placement (Institute-Industry collaboration) needs considerable attention.
- R & D is weak.
- Publication needs considerable improvement.

Mechanical Engineering

- Staff: student ratio needs to be as per AICTE norms.
- Faculty development needs improvement.
- Frequency of recruitment is inadequate.
- Performance appraisal need improvement.
- Performance in competitive examinations need improvement.
- Placement needs improvement.
- Inadequate ET facilities .
- Internet bandwidth needs improvement
- Continuing education & consultancy need considerable improvement.
- Placement needs considerable attention
- Very weak in R & D sponsored projects.

06.11.03

Rajdan
डॉ० पी० एर० राजदान
Dr. P. R. RAJDAN
सलाहकार/Advisor
अखिल भारतीय तकनीकी शिक्षा परिषद
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