

REM RAYS



RESPLENDENT ACTIVITIES OF YESTER SEMESTER

THE INSTITUTE NEW SLETTER

Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous) Nandyal - 518501

Approved by AICTE-Accredited by NBA, Participated in World Bank TEQIP, Affiliated to JNTU, Anantapuramu

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The Honourable Vice-Chancellor of JNTUA Prof. H. Sudarsana Rao, along with Dr. M. Santhiramudu, Chairman, RGM Group of Institutes, at inaugural ceremony of Central Library & Robotic Lab on 10th January, 2025.



Dr. M. Santhiramudu, Chairman, RGM Group of Institutions, Dr.T. Jayachandra Prasad @ EXPO 2025

Chief Patron: Dr. M. SANTHIRAMUDU, Chairman, RGM Group of Institutions
Editorial Panel: Dr. T. JAYACHANDRA PRASAD, Principal & Department of English, RGMCET

RAYS STORY BOARD



A pivotal role of education lies in shaping the personality of a student into a healthy mind equipped with employability skills. Therefore, the system of education should work as a catalyst in making each student a balanced human being with core strengths embedded in the learning experiences. In RGMCET, we strive to map academic excellence with co-curricular activities which would develop the overall personality of students.

This semester The Robotic Lab was established to foster hands-on learning and 21st-century skills. Another milestone is that The new Central Library was inaugurated by honorable Vice –Chancellor of JNTUA, *Prof. Sudarshana Rao.* Technical Symposia were organized by all Technical Departments to provide a platform for the students to deliberate on various trendy topics. Apart from this, FDPs, and other scholastics have taken place in the RGMCET Campus.

The mega event - **The RGM EXPO**, a business fair was held to enhance entrepreneur skills among engineering learners.

In this pursuit of excellence, I appreciate our faulty fraternity for supporting the institute in every aspect. The faculty members have been playing a vital role in research to bring out this institute as a premier one. Each issue of our college Newsletter is a milestone that marks our growth and unfolds our achievements. It unleashes a wide spectrum of activities conducted by different departments. I congratulate the entire editorial team for their hard work and dedication to publish RGM RAYS.

I appreciate the efforts of all faculty members, students for their endeavors to make this institute a vibrant place.

Dr. T. Jayachandra Prasad Principal

INAUGURATION OF CENTRAL LIBRARY

A LIBRARY is a learning place adorned by huge volumes and magazines. RGMCET Central Library is simply more than that. It is built in serene ambience with ultra tech facilities to cater to the needs of the students. The Central Library was inaugurated no 10th January, 2025 by The Honourable Vice-Chancellor of JNTUA Prof. H. Sudarsana Rao, along with Chairman of RGMCET Dr. M. Santhiramudu, Managing Director of RGMCET Mr. M. Sivaram, Principal Dr. T. Jayachandra Prasad and Director of Administration Dr. DV. Ashok Kumar, all the faculty members and students, were present.





Prof. H. Sudarsana Rao, Hon'ble Vice Chancellor, JNTUA, Chairman Dr. M. Santhiramudu and Principal Dr. T. Jayachandra Prasad at the Inaugural Event

INAUGURATION OF ROBOTIC LAB

The Robotic Lab, first of its sort in Two Telugu States was inaugurated by The Honorable Vice-Chancellor of JNTUA **Prof. H. Sudarsana Rao**, along with **Dr. M. Santhiramudu**, Chairman, RGM Group of Institutions on 10th January 2025. Managing Director of RGMCET **Mr. M. Sivaram**, Principal **Dr. T. Jayachandra Prasad** and Director of Administrations **Dr. DV. Ashok Kumar**, teaching and non-teaching staff and students were also present at the event



Dr. G. Kishore Kumar HOD of AIML, demonstrating the Humanoid Robot -Yanshree to the Delegates

ALUMNI MEET -REKINDLE '25

RGMCET **Alumni Rekindle '25** was conducted by Alumni Association of RGMCET. 1995-99 Batch students attended the event. Nearly 100 students have turned up for the event. 1995-99 batch students felicitated the faculty and non-teaching staff. They memorized the golden days spent in RGM and honoured the Chairman – Sri Dr. M.Santhiramudu garu.



1995-99 Batch students @ Rekindle-25



The event organizers **1.Hemachandran K Mohan**, Network Routing and Security Solutions Architect, Juniper Networks, **2.Nethaji Chapala**, Strategy & Architecture Leader, Fidelity Investments, **3.Dr Bommu Venkata Rami Reddy**, Professor and Controller of Exams, RECW, **4.A. Vineela**, Enterprenuer, Hyderabad, and **5. Madhavi Penumalli**, Associate Director, Cognizant have presented mementoes to the faculty members.

Event Organizers











IIC - INSTITUTION'S INNOVATION COUNCIL

IGNITE 8.0.

A total number of 14 students along with faculty memberswere invited to the Atal Incubation Center, Sri Krishna Devaraya University, Anantapur, for the validation and mentoring of ideas under IGNITE 8.0 on 7th January, 2025. Three teams from RGMCET have been selected to advance to the next phase. The selected teams are mentored by International Master Innovation



Coach, *Mr. Naveen Lakkur*. The teams had a fruitful interaction and gained valuable insights, bringing clarity to their planning and execution strategies.



The Ignite 8.0 final pitch presentations were held on 22nd March, organized by AIC SKU. Students of RGMCET proudly showcased their innovative ideas. Among 33 ideas presented by five different colleges, Team Eternal Unite from the CSE (Data Science) Department secured an impressive third place, receiving their award at the Startup Jathara Festival.

ENTREPRENEURSHIP OUTREACH PROGRAM



• The Institution's Innovation Council (IIC) in association with IQAC organized the Innovation & Entrepreneurship Outreach Program at Panyam Government High School on 24th & 25th February 2025. This initiative aims to ignite curiosity, creativity, and entrepreneurial thinking among young minds., *Dr. P.V. Gopi Krishna Rao*, Professor & IQAC Convener, and *Ms. T. Shanthala*, Asst. Professor & IIC Convener were present.

NSS ACTIVITIES

The NSS Unit 1 & 2 conducted the following activities in the campus:



- The NSS organized the "National Voters Day" on 25th January, 2025 in the campus. More than 200 students participated in the event. The organizers and coordinators of NSS attended this program and students taken oath in this program.
- The NSS organized the "World Environment Day" on 05th June, 2025 in association with Department of Chemistry. The Principal *Dr. T. Jayachandra Prasad,* NSS coordinators, and HoD of Chemistry, *Dr. A. Balakrishna* initiated sapling plantation in the campus.
- A **Blood Donation Camp** was conducted on 29th January, 2025 at RGMCET. Nearly 60 students participated in this camp. Students and faculty of RGMCET voluntarily joined the noble event.



On the National Yoga Day, "YOGANDRA" program was organized on 21st June, 2025 in the campus. The Yoga trainer *M. Nageswara Rao* was invited to train Yoga Asanas to the participants, nearly 125 faculty members attended the event.





YOGANDRA - 2025

PROFESSIONAL DEVELOPMENT PROGRAMME (PDP) 16th -21st JUNE 2025 @RGMCET

- The Department of EEE and Department of CSE Data Science collaboratively organized a One Week Professional Development Program (PDP) on NEP 2020 & Education 4.0 from 16th to 21st June, 2025. The Resource persons for the programme are:
- ✓ **Prof. Y. Narasimhulu,** Director, UGC-HRDC, Hyderabad former Vice Chancellor Rayalaseema University, Kurnool
- ✓ Prof. K. Srinivas Head ICT & Project Management Unit NIEPA, New Delhi.
 Prof. Pradeep Kumar Misra, Professor & Director, Centre for Policy Research in Higher Education, NIEPA, New Delhi
- ✓ **Shri. M J. Chandra Kumar,** Systems Analyst, Dept. of Information & Communications Technology, NIEPA, New Delhi
- ✓ Dr. Deepak Bishla, Professor, IT Department, Dr. B.R. Ambedkar University, A Government of NCT, New Delhi.



Prof. K.Srinivas, Head ICT and Project Management Unit, NIEPA, New Delhi, Speaking on the occasion.



Participants in the PDP Session

A total of 83 faculty members from RGMCET, SREC, SRCT and RGMIS participated in this program. *Mr. Y. Vijay Suresh,* Associate Professor, EEE Department acted as the coordinator of the event.

RGM EXPO 2025

RGM EXPO was conducted during 15th and 16th March, 2025. The main motto of RGM EXPO 2025 was to develop students for future society by understanding the business trends and customer satisfaction. All the stakeholders of RGMCET, SREC took part in EXPO and exhibited their ideas at the Expo. The glimpses of EXPO proved the entrepreneur skills of the students. More than 100 stalls have been set-up on various business ideas.





Guest of Honor Mr. N.MD Firoz and Dr. M. Santhiramudu, Chairman at the inaugural Ceremony of RGM Expo





Glimpses of RGM EXPO

WOMEN EMPOWERMENT CELL



Women Faculty at "Pongal Vibes event

• The Women Empowerment Cell organized a Rangoli competition titled "Pongal Vibes, Nature Thrives" on 9th January, 2025. Around 70 students participated in the event. The event was a vibrant celebration of art, tradition, and cultural heritage, students transformed the venue into a colorful canvas of creativity.

• The Cell organized a program on "Emotional Intelligence for Women Leaders: Realizing Your Dreams" for III-year girl students on 12th February, 2025. Dr. V.B. Chitra, Professor of English and Director of Women Empowerment Cell of JNTUA, Anantapur, attended as a resource person for this program. Dr. Sindhuja Omkaram, MD in Psychiatry from SRMC & General Hospital, Nandyal also attended as the resource person and delivered her speech.



The Resource Persons
Dr. V.B. Chitra & Dr.Sindhuja
with college authorities



• The Cell organized **Women's Day** on 8th March, 2025. *Dr. S. Sreedevi* from SRMC, Nandyal, acted as the resource person. The women faculty members and around 200 students attended the event. The event was supervised by *S. Haritha*, Assistant Professor, MBA, *Dr. DV. Ashok Kumar*, Director of Administrations and *Dr. B. Rami Reddy*, students Affairs. *Mrs. Haritha*, Women Empowerment

Coordinator initiated a students' Rally to create awareness and met the District collector **Smt. Rajakumari Ganiya**, on the eve of Women's day 2025.





Women Faculty Celebrating Women's Day

DEPARTMENT OF CIVIL ENGINEERING

Faculty Research Publications in International Journals

- **Dr. Gopu Sreenivasulu** published a paper on the topic "Smart solar power Conversion: Leveraging Deep learning MPPT and hybrid cascaded h-bridge multilevel inverters for optimal efficiency" in the Journal of Biomedical Signal Processing and Control, Vol. 105, Pp. 107-582, 5th February, 2025. https://doi10.1016/j.bspc.2025.107582 (SCI)
- **Dr. Gopu Sreenivasulu** published a paper titled as "Natural Language Processing for Sentiment Analysis Techniques and Applications" in the Journal of Metallurgical and Materials Engineering, Vol: 31, Issue: 3, ISSN: 2812-9105, 17th April, 2025. https://doi.org/10.63278/1356 (SCI)
- D. V. Prudhvi Raj, and A. Mounika published a paper on the topic "Strength and Acid Resistance of M50 Grade Self-Compacting Concrete" in the Journal of Neonatal Surgery, Vol: 14, Issue:7s, ISSN:2321-9939,2025. https://www.jneonatalsurg.com/index.php/jns.Scopus (Scopus)
- S. Snigdha Malya and A. Mounika published a paper on the topic "Effect of Mineral and Chemical Admixture on Fiber Reinforced Self Compacting Concrete" in the Journal of Neonatal Surgery, Vol:14, Issue: 7s, ISSN: 2226-0439, 2025. https://www.jneonatalsurg.com/index.php/jns/article/view/3839 (Scopus)

FDP/Seminar/Workshop/Conference Attended:

- **Dr. G. Sreenivasulu** et. al., attended Faculty Development Programme on "National Intellectual Property Awareness Mission –NIPAM" through the Intellectual Property Office, India on January 3rd, 2025.
- Dr. G. Sreenivasulu, attended Faculty Development Programme on "Block Chain & Cyber Security" through AICTE-QIP-PG organized by IIIT Kalyani.
- Mr. V. Madhu, attended a Faculty Development Programme on "Biological Process Design for Wastewater Treatment" through NPTEL-AICTE from January to March, 2025.
- Mrs. A. Mounika, aattended Faculty Development Programme on "Research Methodology" through NPTEL-AICTE from January to March, 2025.
- Mr. T. Raghavendra, attended Faculty Development Programme on "Artificial Intelligence & Machine Learning" through AICTE-QIP-PG organized by IIIT Lucknow from July 1st to December, 2024.

Workshops/Conference/Seminars/Guestlectures organized:

- The Department organized a Webinar on "Innovate to Elevate: National Youth Startup Day" on 12th January, 2025 in association with ISTE, IEI & IIC-RGMCET. The technical Webinar was conducted for students.
- The Department organized a Three Day Faculty Development Programme on "Seismic Zonation Map of India" on 14th and 16th February, 2025 in collaboration with IIC & IEEE-GRSS.



- The Department organized a National Level Technical Symposium Ripple-2K25 TRACE on 3rd and 4th March, 2025. The technical event was conducted and students from various colleges participated in the event.
- The Department organized a Two-Day brain storming workshop on "Industry Required Skills and Parameters to Get & Retain Private Sector Jobs to Grow as Successful Civil Engineer Across India" on 10th and 11th February, 2025. The technical event was conducted for students.



Patent

• Dr. B. Naga Kiran published a Patent on "Al- Driven Traffic Management System for Real-Time Optimization in Urban Environments" on 21st March, 2025.

Books/ Book Chapter Published

- Mr. V. Madhu, Published a Book Chapter titled as "Experimental Study on Bricks Using Wood Ash & Sugarcane Baggage Ash" in 6th International Anatolian Scientific Research Congress, ISBN: 978-625-367-992-7, in November, 2024.
- **Dr. C. Rajaram,** Published a Book Chapter titled as "Time—Frequency Analysis of Strong Ground Motions from the 1994 Northridge Earthquake" in Natural Hazards and Risk Mitigation, Springer Transactions in Civil and Environmental Engineering Springer, ISBN: 978-981-97-7658-0, in November, 2024.

Field Vistit

A Field exploration camp was organized for students to *Billa Sargav Caves* to analyze the rock formation. Faculty members guided the students in the visit.

Awards and Honors

• **Dr. B Naga Kiran,** received a Certificate of Excellence in Reviewing in Journal of Engineering Research and Reports for his outstanding contribution to the quality of Journal.

MECHNAICAL ENGINEERING

Faculty Research Publications in International Journals

- 1. **Upendra Rajak**, et al., published a paper titled as "An experimental and simulation study for hydrogen and short-chain alcohol along with diesel fuel on the CRDI engine behaviors" in an International Journal of Thermofluids, Vol. 26, March 2025. 101149. https://doi.org/10.1016/j.ijft.2025.101149(SCOPUS)
- 2. **Upendra Rajak,** et al., published a paper on "Experimental investigation on the combustion, performance and emission characteristics of blended waste plastic oil in a common rail direct injection engine" in Environmental Engineering & Management Journal (EEMJ), Vol: 24, Issue: 1, Pp:141. in 2025. https://doi.org/10.30638/eemj.2025.012(SCI)
- 3. **Upendra Rajak**, et al., published a paper titled as "Waste to power: Experimental investigation and prediction of fuel injection pressure effect on the outputs of DI-CI engine fed by ternary blends using artificial intelligence" in the Journal of Thermal Analysis and Calorimetry, April 2025. (SCI)
- 4. Manoj Panchal et al., published a paper on "Micromechanical and tribological properties of polymeric coating on metal surface" in the Journal of Polymer Research, in 2025. https://doi.org/10.1007/s10965-025-04362-8(SCI)

Workshops/Conference/Seminars/Guest lectures organized:

- The Department organized a Technical Talk on the "Design of Gyroscope and its Applications" on 7th January, 2025 in collaboration with AME Club. **Dr. Syed Altaf Hussain,** Professor attended as speaker for this program.
- The Department organized a Seminar entitled "Secrets of Success" on 8th January, 2025 in association with Service to Community Club. **Dr. C. Madhu Sudana Rao**, ENT Specialist, Nandyal attended as a guest speaker for this program.



- The Department organized a training program entitled "Brain Storming session on Startups" on O6th February, 2025 for students. Dr. PV. Gopi Krishna Rao, Professor from ECE attended as a speaker for this program.
- The Department organized a Five Day Work shop on "Building Smarter Robots: Gesture and Accelerometer Integration" from 21st to 25th January, 2025. Mr. S. Sunil Kumar, Managing Director, M/s. Uni First Robotics, Bengaluru attended as a guest speaker for this program.



Dr. K. Thirupathi Reddy, HoD, ME giving away the Memento to the Speaker - Mr. S. Sunil Kumar

• The Department organized a One Day Seminar entitled "Advances in Hydroelectric Power Plant" on 11th February, 2025 in association with AME Club. Dr. Upendra Rajak, Asst. Professor supervised the program.

• The Department organized a One Day Seminar entitled "Practical Insights in to Engineering Mechanics Lab Experiments" on 21st January, 2025 Dr. B.Sidda Reddy, Professor, RGMCET acted as a resource person for this program.





• The Department organized a Training Program entitled "05 Day Staff Training Program on CNC Wood Router" from 22nd to 27th January, 2025. Mr. Shehensha, CNC Wood Router Trainer attended as a resource person for this program.

The Trainer explaining about Wood Router to the Faculty

• The Department organized a One Day Seminar on "Universal Human Values" on 28th January, 2025. Dr. Manoj Panchal, Professor supervised this program.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINNERING

Faculty Research Publications in International Journals

- Dr. D.Lenine, Dr. J. Surya Kumari, and P. Sai Sampath Kumar published a conference paper on "Design and Implementation of Integrated Micro-grid Based Predictive Control Scheme" in 5th IEEE Global Conference for Advancement in Technology (GCAT).
- Dr. D.Lenine, P. SaiSampath Kumar, and P. SesiKiran published a conference paper titled as "An adaptive MPC for alternate ARM modular Multilevel Converter PV tied grid connected HVDC transmission network" in 13th International Conference on Contemporary Engineering and Technology.
- Dr. D. Lenine and P. SaiSampath Kumar published a conference paper on "A Comparative study of Advanced Control Strategies for Interlink Converters in Hybrid Renewable Energy Micro-Grids" in 13th International Conference on Contemporary Engineering and Technology.

Workshops/Conference/Seminars/Guest lectures organized:

- The Department organized One-Day seminar titledas "Your path to success: Explore Career Opportunities through Global Education" on 23rd January, 2025 in collaboration with IEEE. This event sharpened academic activities of the students.
- The Department organized a XXI National Level Technical Symposium Ripple-2k25 PRAVAHA on 13th and 14th February, 2025. This event benefitted intra and intercollege students.

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• The Department organized a Technical Seminar on "Design and Simulation of Industrial Robotic Arm Speaker" on 5th March, 2025 in collaboration with IEEE. This event was conducted for students.

Patent

- Dr. V. Naga Bhaskar Reddy, J.Nagarjuna Reddy, and K.Prahlada Reddy published a Patent on "Harnessing Solar Power for Next Gen Wireless Charging Stations" on 21st March, 2025.
- K.Rajesh, Dr. D.Lenine, and R.Satish Kumar published a Patent on "Smart Crop Protection System Using IOT" on 21st March, 2025.
- P. Sai Sampath Kumar, E.Narasimhulu, and P.SesiKiran published a Patent on "Enhancing Renewable Energy Management System with Arduino" on 21st March, 2025.
- Dr. J. Surya Kumari, Y.Vijaya Suresh, and T.Ashok Kumar published a Patent on "Renewable Energy Driven Battery Swapping System for Electric Vehicle Using Microcontroller" on 21st March, 2025.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Dr. C. Venkataiah et.al.published a paper on "A novel eye disease segmentation and classification model using advanced deep learning network Biomedical" in the Journal of Signal Processing and Control, July, 2025. https://doi.org/10.1016/j.bspc.2025.107565. (SCI)
- **Dr. M.Madhu Sudhana Reddy** et.alpublished a paper titled as "A Novel Framework of IoT-Based Multi-Disease Monitoring System Using Heuristic Improvement of Adaptive Dilated and Attention-Based Deep Learning Approaches." in the Journal of Cybernetics and Systems. Vol. 22, pp. 1-46, February, 2025. https://doi.org/10.1080/01969722.2025.2470786 (SCI)
- Dr.V. N. V. Satya Prakash, et.al., published a paper on "OptimisingZnO:Al/ZnO/ZnMgO/CZTS Solar cells with ZnMgO Alloys for Efficient Photovoltaic Conversion: A Machine Learning Approach," in the Journal of Engineering Letters, Vol. 33, No. 4, pp833-839, 2025. https://www.engineeringletters.com/issues_v33/issue_4/index.html(ESCI)
- **Dr. N.Ramanjaneyulu** et.al., published a paper on "Design and Electrical Performance Analysis of AlGaAs/InGaAs/InPPseudomorphic HEMT." in the Journal of Engineering Letters, Vol. 33, No. 4, pp1029-1034, 2025. http://www.engineeringletters.com/issues_v33/issue_4/index.html (ESCI)
- Palle Rangappa, etal., published a paper titled as "Interface Charge Sensitivity and Short-Channel Effect Mitigation in Asymmetrical Source Step-Channel FinFETs," in the Journal of Engineering Letters, Vol. 33, No. 4, pp1135-1144, 2025. https://www.engineeringletters.com/issues_v33/issue_4/index.html (ESCI)

- **Dr. J. Sofia Priya Dharshini,** etal., published a paper titled as "Advancing RGB-X Segmentation through Shape and Semantic Enhancements" in the Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025. https://drive.google.com/file/ d/1oFHW2I Q8pnt 6hM9bQHw39b3dwB49Ogni/view?usp=sharing (Scopus)
- **Dr. Y. MadhuSudhana Reddy** etal., published a paper titled as "optimized brain tumor detection: a dual-module approach for mri image enhancement and tumor classification" in the Journal of Civil and Environmental Engineering, Vol. 13, No. 2, February.2025..https://drive.google.com/file/d/1EPEzV7KbdTScwZhkMF-vnkuPzDdG-Dwy/view?usp=sharing (Scopus)
- **Usen Dudekula** etal., published a paper on "convolution neural network based Person recognition using opency captured image dataset" in the Journal of Civil and Environmental Engineering, Vol. 13, No. 2, February, 2025. https://drive.google.com/file/d/ 10o yvhuwydIFFM_S_OmxAZTERmfs7MMfV/view?usp=sharing (Scopus)
- D. Rajesh Setty etal., published a paper titled as "low-light image enhancement using pixel-wise Adaptive gamma correction." in the Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025, https://drive.google.com/file/d/1nk7gnRU PdonSIpZMWCD1 Vnae-JPJIOsv-/view?usp=sharing (Scopus)
- **Dr. N. Nagaraja Kumar** etal. published a paper on "Weight Optimization And Dual Tree Discrete Wavelet Transformation For Image Fusion" in the Journal of Civil and Environmental Engineering, Vol. 13, No. 3, March 2025. https://drive.google.com/file/d/1b3Oo_BS6uXNTJ4OiPLMDYvoJ- VwOjG7i/view?usp=sharing (Scopus)

Patent

- Dr. J. Sofia Priya Dharshini et.al., published a patent on "Anovel Artificial intelligence horoscope computer device" on 26th March, 2025.
- M.Maheswari et.al., published a patent on "Multi-Task Learning in Graph Networks for Simultaneous Community Detection and Influence Identification," on 14th March, 2025.
- P Mahesh et.al., published a patent on "Dehazing of real-world images with enhanced exposure fusion and joint enhancement" on 14th March, 2025.
- Dr. J. Sofia PriyaDharshini et.al., published a patent on "Binder free Solar Paint using Sol-Gel Method," on 28th March, 2025.
- Dr. J. Sofia PriyaDharshini et.al., published a patent on "High linearity wideband input buffer using cascade complementary source follower for advanced ADCS," on 28th March, 2025.

- Dr. J. Sofia Priya Dharshini et.al., published a patent on "Improving MRI Brain tumor Segmentation with Corrective Diffusion Approaches" on 28th March, 2025.
- Dr. J. Sofia Priya Dharshini et.al., published a patent on "Advancing RGB-X Segmentation through Shape and Semantic Enhancements," on 28th March, 2025.
- Dr. P V Gopi Krishna Rao et.al., published a patent on "Portable Giant Wheel based Multilevel Automated Vehicle Parking System There Off," on 21st March, 2025.
- Dr. P V Gopi Krishna Rao et.al., published a patent on "AI based autonomous vehicle navigation with defined path tracing, obstacle avoidance, and manual mode" on 28th March, 2025.

FDP/Seminar/Workshop/Conference Attended

- Dr. J. Sofia Priya Dharshini, attended aFaculty Development Programme on "5G and Next generation wireless Networks" at Sreenidhi Institute of Science & Technology, Hyderabad during 6th January to 11th January.
- Dr. C. Venkataiah, attended a Faculty Development Programme on "Python for data science" through NPTEL-AICTE program from Jan to Feb, 2025.
- Dr. J. Sofia Priya Dharshini, attended a Faculty development program on "Novel Nanomaterials, devices and VLSI Circuits Research Advancements and Applications" in association with Meity department of ECE, NIT Warangal from 4th March 2025 to 13 March 2025.

FDP/Seminar/Workshop/Conference Organized XXI National Level Student Technical Symposium – RIPPLE 2K25 SAMYAK



The Department organized the "XXI National Level Student Technical Symposium – RIPPLE 2K25 - SAMYAK" on 24th and 25th February, 2025. The event witnessed the participation of 1000 students, providing a platform for showcasing technical innovations, Research presentations, and interactive workshops. **Dr. M. Chennakesavulu** acted as Co-Convener for the program.

• The Department organized a Five-Day Workshop on "Cloud Foundations" during 6th to 10th January 2025. Dr. K. Subba Reddy, HoD of CSE, RGMCET attended as a Guest Speaker for the program and stressed on the fundamental cloud computing concepts, infrastructure, and applications. Dr. J. Sofia Priya Dharshini acted as a Convener for the workshop.



• The Department organized a Four-Day Job Training Program on "Basic Electronics Laboratory Practicals" from 3rd to 6th January, 2025. Around 30 participants took part in this training program. **Dr. J. Sofia Priya Dharshini,** HoD, distributed cash prizes to the winners. The program focused on providing hands-on training in basic electronics.





HOD of ECE, faculty and students are at Training Program.

• The Department organized a Training Program - "Ardubotics Hackathon - Training and Competition" on 4th and 6th January 2025. A total number of 184 participants participated in the event with 46 teams. The event was organized by Avishkaar club. **Dr. J. Sofia Priya Dharshini,** HoD, distributed cash prizes to the winners.



Participants are at the event.

A Start-up Awareness Program for all Doctorates was heldon 23rd January 2025. A total of 25 participants took part in this program. Dr. J. Sofia Priya Dharshini, HoD of ECE and Dr. P V. Gopi Krishna Rao shared the sessions.

• A Guest Lecture on "Brand Yourself – Unlocking Your Dream Job" was conducted on 18th February, 2025. This event focused on Personal branding, Resume building and job market strategies. Mr. Haribabu Narayanan, Branding Expert, Bengaluru attended as a Guest Speaker for the program.





• The Department organized a Guest Lecture on "Cracking the Code Strategies for Success in GATE" on 1st March, 2025 in association with IEEE. The session led by the resources persons Dr. K. Raghunath, Learning Center Bangalore and Dr. V. Adinarayana Reddy, Chairman IEI Kadapa.



Dr. T. Jayachandra Prasad along with resource persons

DEPARTMENT OF CSE

- **Dr. Kunam Subba Reddy** et.al., published a paper on "Explainable Artificial Intelligence for Lung and Colon Cancer Classification" in Nanotechnology Perceptions, Vol:20, Pp: 3213-3225, DOI: https://doi.org/10.62441/nano-ntp.v20i7.4710(Scopus Journals- With Impact Factor: 0. 16).
- Mr. B. Rama Subbaiah et.alpublished a paper titled as "Reinforced Multi-Path Graph Attention Network (MPGA-RL-Net) for Adaptive Robotic Vision with Task-Specific Region Prioritization" in Communications on Applied Nonlinear Analysis, Vol:32, No. 3s (2025), ISSN: 1074-133X DOI: https://doi.org/10.52783/cana.v32.2643(Scopus Journals- With Impact Factor: 0.3).
- F. Huang, D. Geng, and Sravan Kumar Reddy M., published a paper on "Sport injury imaging for deep blood flow distribution with laser speckle", EAI Endorsed Trans Perv Health Tech, Vol: 11, Feb. 2025, DOI: https://doi.org/10.4108/eetpht.11.6787, (Scopus: IF-3.3).
- V. C. Bharathi, et.al., published a paper titled as "O2O-PLB: A One-to-One-Based Optimizer With Priority and Load Balancing Mechanism for Resource Allocation in Fog-Cloud Environments" in IEEE Access, Vol. 13, Pp. 22146-22155, 2025, doi: 10.1109/ACCESS.2025. 3536210, Feb, 2025 (SCIE: IF-3.4).
- **Dr. G. Srinivasan,** et.al., published a paper on "Fuzzy based Congestion Control and Congestion Aware Routing Technique for IoT Networks" in The Journal of Information Systems Engineering and Management, Vol. 10,13(s), Pp. 160-165, 2025, (Scopus: IF-1.4).
- M. Indrasena Reddy, et.al., published a paper on "Cyber-attack Detection Based on a Deep Chaotic Invasive Weed Kernel Optimized Machine Learning Classifier in Cloud Computing" in Soft Computing, 2015–2030 (2025). DOI: https://doi.org/10.1007/s00500-025-10521-2 (WOS- with Impact Factor: 3.2).
- Mr. V.V. Nagendra kumar and Venna Jaya Sri published a paper titled as "Geospatial Analysis for Emergency Services: Mapping Accident Hotspots to Enhance Ambulance Accessibility" Strad Research (https://stradresearch.org ISSN:0039-2049, Vol: 12, Issue: 4, Pp: 43-50, April, 2025, Available at:https://doi.org/10.5281/Zenodo.15153707. (International Journals)
- Mrs. Y. Durga Tejaswi and Yadati Uma Supraja published a paper on "Improving Financial Fraud Detection With Value-at-Risk & ML Techniques for Skewed Data Sets" in JICR Journal (https://jicrjournal.org| UGC and issn Approved), Vol: 17, Issue: 2, Pp: 163-172, ISSN: 0022-1945, February 2025, https://doi.org/18.0002/zenoda 17178115(International Journals)
- Mrs. D. Sravanthi et.al., published a paper titledas "Intelligent Cloud Platform for Enhancing Operational Efficiency in College Management System" in International Journal of Intelligent Systems and Applications in Engineering, ISSN: 2147-6799DOI: https://ijisae.org/index.php/IJISAE/article/view/7289/6363 (Scopus Journals with Cite Score: 3.2)

- Mr. C. Hrishikeshava Reddy, et.al., published a paper on "Real time voice cloning using generative adversial networks" in International Journal of Intelligent Systems and Applications in Engineering ISSN: 2147-6799 DOI: https://ijisae.org/index.php/IJISAE/article/view/7288 (Scopus Journals with Cite Score: 3.2)
- Ms.D .Karishma, et.al., published a paper titled as "Deepfake Face Detection Using LSTM and CNN" in International Journal of Intelligent Systems and Applications in Engineering ISSN: 2147-6799 DOI: https://ijisae.org/index.php/IJISAE/article/view/7287 (Scopus Journals with Cite Score: 3.2)
- Dr. R. Kaviarasan, et.al., published a paper on "Enhancing Data Security in Cloud Using Cipher Text-Policy Attribute-Based Encryption (CP- ABE)" in International Journal of Intelligent Systems and Applications in Engineering ISSN: 2147-6799 DOI: https://ijisae.org/index.php/IJISAE/article/view/7283 (Scopus Journals with Cite Score: 3.2)
- Dr. K. Nageswara Reddy, et.al., published a paper titled as "Blood Cell Detection and Count" in International Journal of Intelligent Systems and Applications in Engineering ISSN: 2147-6799 DOI: https://ijisae.org/index.php/IJISAE/article/view/7284 (Scopus Journals with Cite Score: 6.3)
- Mr. G. Rajasekhar Reddy, et.al., published a paper titled as "Image Encryption and Decryption using XOR Operator" in Journal of Information Systems Engineering and Management ISSN: 2468-4376 DOI: https://www.jisem-journal.com/index.php/journal/article/view/2027/779 (Scopus Journals with Cite Score: 1.2)
- Dr. K. Narasimhulu, et.al.,,published a paper on "Empowering Smart Cities with AI: Predictive Models for Customer Retention in Banking" in Journal of Information Systems Engineering and Management ISSN: 2468-4376 DOI: Under publish (Scopus Journals with Cite Score: 1.2)
- **Dr. Monelli Ayyavaraiah,** et.al., published a paper titled as "Efficient Pediatric Heart Transplant Predictions" in Journal of Information Systems Engineering and Management ISSN: 2468-4376 DOI: https://doi.org/10.52783/jisem.v10i15s.2492 (Scopus Journals with Cite Score: 1.2)
- Mr. P. Naveen Sundar Kumar, et.al., published a paper titled as "Leveraging Deep Learning for Sentiment Analysis of Airline Customer Reviews and Feedback" in Nano technology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/ article/view/5002/3947 (Scopus Journals with Impact Factor: 0.6)
- Dr. R. Raja Kumar, et.al., published a paper on "Machine Learning-Based Facial Skin Condition Detection, Analysis and Product Recommendation" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/5001 (Scopus Journals with Impact Factor: 0.6)
- **Dr. K. Subba Reddy,** et.al., published a paper on "Explainable Artificial Intelligence for Lung and Colon Cancer Classification" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4710 (Scopus Journals with Impact Factor: 0.6)

- Dr. R. Kaviarasan, et.al., published a paper titled as "Ameliorate Data Security in Cloud Using Hybrid Cryptography and Key Management Proficiency" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4993 (Scopus Journals with Impact Factor: 0.6)
- Mrs. D. Sravanthi, et.al., published a paper on "Enabling Blockchain for Voting System in Universities" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://doi.org/10.62441/nano-ntp.vi.4989 (Scopus Journals with Impact Factor: 0.6)
- Mrs. P. Sucharitha, et.al.,, published a paper titled as "INTELLIGENT ROAD SAFETY AND ACCIDENT DETECTION" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4992 (Scopus Journals with Impact Factor: 0.6)
- Mrs. S. Rubia Parveen, et.al., published a paper on "Dog breed prediction using deep learning" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4995 (Scopus Journals with Impact Factor: 0.6)
- **Dr. Nageswara Reddy,** et.al., published a paper titled as "Digital Transaction Fraud Detection using Machine Learning Techniques" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4960 (Scopus Journals with Impact Factor: 0.6)
- Dr. K. Subba Reddy, et.al., published a paper on "Efficient Deep CNN-Based Detection of Multi-Class Retinal Diseases with Optimized Memory Usage" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4709 (Scopus Journals with Impact Factor: 0.6)
- Mr. P. Naveen Sundar Kumar, et.al., published a paper titled as "Movie Review and Recommendation with Sentiment Analysis" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4959 (Scopus Journals with Impact Factor: 0.6)
- Mr. B. V. Chandra Sekhar, et.al.,,published a paper on "Enhanced Pneumonia Diagnosis Using Deep Learning and CNNs in Medical Imaging" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4991/3936 (Scopus Journals with Impact Factor: 0.6)
- Ms. D. Karishma, et.al., published a paper titled as "Interactive Chart Generator using Matplotlib and Seaborn" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nanontp.com/index.php/nano/article/view/4994 (Scopus Journals with Impact Factor: 0.6)
- Dr. R. Raja Kumar, et.al., published a paper titled as "Deep Neural Network using Auto encoder on NSL-KDD data set" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/4961 (Scopus Journals with Impact Factor: 0. 6)
- Mrs S.Rubia Parveen, et.al., published a paper titledas "Early detection and diagnosis of heart disease" in Nanotechnology Perceptions ISSN: 1660-6795 DOI: https://nano-ntp.com/index.php/nano/article/view/5003 (Scopus Journals with Impact Factor: 0.6)

• Mrs. S. Tahseen Banu, et.al., published a paper on "Fake Product Detection System Using Block Chain Technology" in Nanotechnology Perceptions ISSN: 1660-6795. DOI: https://nanontp.com/index.php/nano/article/view/4990 (Scopus Journals - with Impact Factor: 0.6)

FDP/Seminar/Workshop/Conference Attended

- Mrs. S. Tahseen Banu, et.al., published a paper on "Fake Product Detection System Using Block Chain Technology" in Nanotechnology Perceptions ISSN: 1660-6795. DOI: https://nanontp.com/index.php/nano/article/view/4990 (Scopus Journals with Impact Factor: 0.6)
- **Dr. K. Subba Reddy,** presented a paper in 6th International Conference on Mobile Computing and Sustainable Informatics(ICMCSI) the paper on "Implementation of Inception V3 Model for Skin Disease Detection and Classification" from 7th to 8th January, 2025. The conference was organized by Puranchal University, Nepal.
- **Dr. N. Madhusudhana Reddy** et al., presented a paper titled as "*Real-Time Attendance System Using Facial Recognition Technology*" in International Conference called Research Conclave 2025, "from 24thto 25th January, 2025 organized by Siddhartha University, Vijayawada, Andhra Pradesh, India.
- V.V. Nagendra Kumar and Dr. D.Rajeswari presented a paper on "Machine Learning-based Predictive Analysis of Obstructive Pulmonary disease Progression using Chest X-ray" at Research Conclave 2025, from 24th to 25th January 2025. The conference was organized by Siddhartha University, Vijayawada, Andhra Pradesh, India.
- **Dr. M Sravan Kumar Reddy** et.al., presented a paper entitled "Automobile Vehicle Insurance Claims Fraud Detection using Machine Learning" inInternational Conference Research Conclave 2025, from 24th to 25th January 2025 at Siddhartha University, Vijayawada, Andhra Pradesh.
- Mr. C. Hrishikesava Reddy and A. SaiShresta presented a paper titled as "Pupillary Fluctuation-Based Heart Rate Variability Monitoring on Mobile Device" in 13th International Conference on Contemporary Engineering and Technology 2025 from 22nd to 23rd March, 2025 conducted by Organization of Science & Innovative Engineering and Technology, Chennai, India.
- Mr. K.Janardhan, et.al, presented a paper on "Phishguard-Fake Website Detection Using Machine Learning" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using Al-ML Algorithms, from 21st to 22nd March, 2025 organized by M. V. R College of Engineering & Technology, Vijayawada, AP.
- **Dr. Rama Subbaiah** et.al, presented a paper on "Crime zone identification and intervention" at International Conference on Algorithms and Computational Theory for Engineering Applications, on O4th April, 2025. The conference was organized by Adhityauniversity, Surampalem, AP.
- Dr. N. Madhusudhana Reddy et.al, presented a paper titled as "Aggrotech Predict Insight Using Machine Learning" at International Conference on Algorithms and Computational Theory for Engineering Applications, on O4th April, 2025. The conference was organized by Aditya University, Surampalem, AP.

21

- Dr. N. Ramanjaneya Reddy et.al, presented a paper on "Improving the accuracy of stock price forecasting in the share market using Machine Learning algorithms" at International Conference on Algorithms and Computational Theory for Engineering Applications, on O4th April, 2025. The conference was organized by Aditya University, Surampalem, Andhra Pradesh.
- Mr. K. Janardhan et.al., presented a paper on "Real-Time Voice Translator for Cross-Lingual Communication with Enhanced Accuracy" at International Conference on Algorithms and Computational Theory for Engineering Applications. The conference was organized by Aditya University, Kakinada.
- Mrs. B. Swetha, et.al., presented a paper on "Enhancing Visual Quality Of Images and Videos with Improved CNN and OPENCV" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using AI-ML Algorithms, from 21st to 22nd March, 2025. The conference was organized by ICMVRCET, Vijayawada.
- **Dr. P. Prathap Nayudu,** et.al., presented a paper on "Graphical Representation of Accuracy Comparison Among Various Machine Learning Algorithms to Predict Customer Churn" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using Al-ML Algorithms, from 21st to 22nd March 2025. The conference was organized by M. V. R College of Engineering & Technology, Vijayawada.
- Dr. K. Narasimhulu, et.al., presented a paper titled as "A Comparative Analysis of Supervised Machine Learning Algorithms for Heart Attack Prediction" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using Al-ML Algorithms from 21st to 22nd March 2025. The conference was organized by M. V. R College of Engineering & Technology, Vijayawada.
- Mrs. B. Swetha, et.al., presented a paper on "Enhancing Autonomous Safety" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using AI-ML Algorithms, from 21st to 22nd March 2025 .The conference was organized by M. V. R College of Engineering & Technology, Vijayawada.
- Mr. V. Ravikanth, et.al., presented a paper titled as "Real-time Driver Drowsiness Detection and Alert System using DLib and Open CV" at 1st International Conference on Microstructure, VLSI, Robotics, Communication, Electrical & Emerging Technologies using Al-ML Algorithms, from on 21st to 22nd March 2025. The conference was organized by M. V. R College of Engineering & Technology, Vijayawada.
- Mrs. S.Tahseen Banu and V. Ravi Teja presented a paper on "Detecting Digital Deception with Long Distances Attention." in 2nd International Conference on Advances in Engineering and Medical Sciences, on 15th April, 2025. The conference was organized by the International school of Technology and science for woman.
- Mr. A. Ramesh, L. and V. ArunJyothi presented a paper on "AI-Powered Deep Learning Frameworks for Cervical Cancer Diagnosis" in International Conference on computer Science and Information Technology (ICCSIT-2025), on 12th April, 2025. by International Society for Scientific Research and Development, Hyderabad, India.

Workshops/Conference/Seminars/Guest lectures organized



Mr. Maruthi Kumar, Resource Person Addressing to the Students.

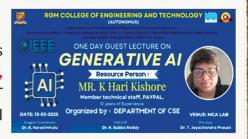
• The Department organized a One-Day Guest Lecture on "Career Guidelines on Full stack Development" on O7th January, 2025 for first semester MCA students. Mr. Maruthi Kumar, Alumni Student of RGMCET and employee of SVP Engineering JP Morgan , Washington blvd, Jersey city, USA delivered a talk in this program. Mr. V.V. Nagendra Kumar faculty acted as a coordinator for this event.

• A Two day Career Guidance Program "SCOPE FOR MCA GRADUATES IN MNCs", was organized on 5th and 6th February, 2025. Mr. M. Nagendra Babu, CEO of Reshapp Software Solutions Pvt. Ltd., Hyderabad acted as a speaker for this program. Mr. V.V. Nagendra Kumar, faculty of CSE acted as the coordinator for the event.





- A One-week short-term training program titled as "AWS Cloud Foundation" was held from 07th to 14th February, 2025. Dr. K Subba Reddy, HOD of CSE attended and delivered a lecture for III B. Tech II Semester CSE students.
- A One Day Guest lecture titled as "Generative Al", was conducted on 13th March, 2025. Mr. K Hari Kishore, Member technical staff, PAYPAL and Alumni of RGMCET delivered a lecture on 13th March, 2025 for III B.Tech II Semester students.



Patents

- Mr. C. Hrishikesava Reddy, Dr. M.Kanchana and Nooka Madhusudhana Reddy, published a patent on "The Fine-Tuning DL Models Application of Transfer Learning For Early and Efficient Parkinson's Disease Progression", by Indian Patents on January, 2025. The application number is 202441102926(Published).
- **Dr. Mamta Sharma** et.al., published a patent on "Data Processing Device to Monitor Students Attention during Class", by UK Design, on January, 2025. Design number: 6415636 (Design Grant).
- Amit Karbhari et.al, published a patent on "Cloud Based Teaching Device", by UK Design, in January, 2025. Design number: 6417267(Design Grant).
- Monelli Ayyavaraiah, published a patent on "Deep Learning-Enabled Automated Diagnosis and Prognosis System for Early Disease Detection in Healthcare" on 07th March, 2025. The Application No. 202541016022A.

• Dr. Aaluri Seenuet. al, published a patent on "Dynamic Resource Allocation System For Optimized Supply Chain Management In Global Markets" on 21st March, 2025. The Application No. 202541021149A.

Books& Book Chapters Published

- Dr. N. Madhusudhana Reddy, et.al., published a Book titled as "Engineering Ethics", RK Publications, ISBN: 978934865572, 2025.
- Ayyavaraiah, Monelli published a Book chapter entitled "Machine Learning Approaches for Optimizing the Synthesis and Functionalization of Quantum Dots for Medical Imaging" on April, 2025, Pp: 353–405, ISBN: 978-3-11-914782-8.

DEPARTMENT OF CSE - DATA SCIENCE

Faculty Research Publications in International Journals

- Mr. B. Bhaskara Rao and G.Vikram Chandra publishedapaperon "Cardiovascular Disease (CVD) Prediction and Classification Framework using Machine Learning Techniques" in the Journal of Power System Technology, Issue:2, January, 2025.(Scopus)
- Dr. S. Karimulla Basha and P.V. Prassana Kumari published a paper titled as "Identification of Ransomware Attacks based on main Processor along with Usage Data" in the Journal of Power System Technology, Issue:2, March, 2025.(Scopus)
- Dr. M. Suleman Basha and K.Rathi published a paper on "Paddy Leaf Disease Detection" in the Journal of Power System Technology, Issue:2, January, 2025.(Scopus)
- Mr. B Bhaskara Rao and Y.P. Srinath Reddy published a paper titled as "Renaissance for Alzheimers Disease Detection using ML&DL Techniques" in the Journal of Power System Technology Issue:2, January 2025.(Scopus)
- Dr. K. Rangaswamy and G. Viswanath published a paper on "Enhanced CNN-Based Classification and Forecasting of Water Stress in Tomato Plant Utilizing Bioristor Data" in the Journal of Periodico di Mineralogia, Issue:2, February, 2025.(Scopus)
- Dr P Kiran Rao and A. Annapurna published a paper on "Real-Time Feedback for Teachers using Multi modal Emotion Detection in Classroom Teaching" in the Journal of Power System Technology, Issue:2, February 2025.(Scopus)

 FDP/Seminar/Workshop/ConferenceAttended:
- B. Bhaskara Rao and Dr S. Karimulla Basha attended a Faculty Development Programme on "Next Generation Networks and its Security" Sponsored by Ministry of Electronics and information Technology-Government of India Organized by E&ICT Academy NIT Warangal during 5th to 15th February, 2025.

24

Workshops/Conference/Seminars/Guest lectures organized:

- A One-Day Virtual Guest Lecture on "Deep Learning Techniques-Practical Demonstration" was conducted on 22nd February, 2025, Dr. Tulasi Prasad Sariki from VIT University, Chennai, attended as a resource person for the program. Around 100 III. B. Tech, II Semester students attended the session.
- A Workshop entitled "Snowflake with AI Cloud" was held on 25th January 2025. Around 70 students from various colleges have attended the workshop. Matthias Hinkelmann, Ranjeet Nandiraju and Kalyan Kumar N. attended as resource persons for this workshop.





• A one day workshopon "Block Chain" was organized on 25th, January, 2025. A total of 140 students from various departments and from colleges participated in this program. The resources persons Ashfaq Ahmed, Vamshi-Nandan Sale and Soumya Panasa guided the learners.



• The II National Level Student Technical Symposium "ADIVITIYA" – Ripple 2k25 was organised on 28th and 29th January, 2025. The principal, faculty and students attended the Technical Symposium.





The delegates, principal, faculty and students are at symposium

Patents

- Dr. P. Penchal Prasad, published a Patent on "Artificial Intelligence powered fraud detection" in January, 2025.
- Dr. P. Penchal Prasad, Mr. B.BhaskaraRao, Mr. Y.P. Srinath Reddy published a Patent on "Wild Animal Detection and Alert Generation Using a Deep Learning Framework with Vision Transformers" in March, 2025.

- Dr. K. Rangaswamy, Mrs. K.Rathi published a Patent on "Deep Skin Cancer: Detection and Classification Using Advanced Deep Learning Algorithms." in March, 2025.
- Dr. P. Penchal Prasad, published a Patent on "Enhancing Efficiency of Phishing Detection System Using EnsembledUrl Analysis With Deep Learning Techniques" in February, 2025.

Awards and Honors:

- Dr. P. PenchalPrasad, received an "NPTEL Star Award" from IIT Madras, on 10th Feb, 2025.
- Dr. K. Rangaswamy, received a "Best Paper Award" from IIT Roorkee,in March, 2025.
- Mrs. K. Rathi, Assistant Professor received a "Best Paper Award" from IIT Roorkee ,in March, 2025.



DEPARTMENT OF CSE - CYBER SECURITY

FDP/Seminar/Workshop/Conference Attended:

- Ms. CK. Indira, participated in an Awareness Training Program on "National Intellectual Property Awareness Mission," organized by Intellectual Property Office, India on 3rd January, 2025.
- Ms. CK. Indira and Mr. Syed. Muzibuddin participated in an Awareness Session on "Innovation Ambassador Program," organized by Institution's Innovation Council on 31st, January, 2025.
- Ms. CK. Indira and Mr. Syed. Muzibuddin participated in a One Week National Level Faculty Development Program on "Al tools" organized by Brainovision Solutions India Pvt. Ltd., India during 17th to 21st February, 2025.

FDP/Workshops/Conference/Seminars/Guestlectures organized:

• The Department organized **DEFEND-X**, a Two-Day National Level Technical Symposium on 28th February and 1st March, 2025. More than 1000 students from different colleges and parental institute are benefitted by this program. The HOD, delegates and faculty members supervised the event.



Dr. R. Kaviarasan, HOD and other delegates are at the event.

• The Department inaugurated the IEEE Student Chapter of Systems, Man, and Cybernetics Society (SMCS) on 28th February, 2025. This prestigious event marks a significant milestone in fostering innovation, interdisciplinary research, and student development in the areas of intelligent systems, human-machine interaction, and cybernetics. **Dr. T. Jayachandra Prasad,** Principal, **Dr. D.V. Ashok Kumar and Dr. R. Kaviarasan**, HOD attended this program.

Books Chapters

- **Dr. R. Kaviarasan,** published a book chapter titled as "An Intelligent Leaf Disease Prediction for Corn and Maize Using Convolutional Neural Network" in the book "Expert Artificial Neural Network Applications for Science and Engineering" ISBN:13-9798369372500, on 5th February, 2025.DOI: https://doi.org/10.4018/979-8-3693-7250-0.ch009.
- Dr. R. Kaviarasan, published a book chapter entitled "Improved Grasshopper Optimization With Distance Vector Hop Relay Model for Effective NLOS Localization in VANETs" in the book "Wiley Online Library" on 20th March, 2025. DOI: https://doi.org/10.1002/dac.70063.

DEPARTMENT OF CSE -AI&ML & BS

Inaugural Ceremony of Robotic Lab

• The Department of AI&ML inaugurated the Robot Operating System Lab on 10th January 2025. This lab is first of its kind in Telugu states. This state-of-the-art facility will drive innovation in Robotics, AI and Automation. The honorable Vice-Chancellor of JNTUA Dr. H. Sudarshan Rao has graced the event as the Chief Guest and Dr. M. Santhiramudu, Chairman of RGM Group of Institutions, Managing Director of RGMCET Sri. M. Sivaram, Principal Dr. T. Jayachandra Prasad and Director of Administrations Dr. DV. Ashok Kumar and Dr. G. Kishore Kumar, HoD of AI MLwere also present in the ceremony.





The Dr. H. SudarshanRao, Vice-Chancellor and Sri Dr. M Santhiramudu, Chairman of RGMCET and with other delegates are at ceremony.

- 1. Mrs. C.Leelavathi, et. al published a paper entitled "Federated Learning and Explainable AI: A Transparent and Secure Approach to Fraud Detection" published in the Journal of Power System Technology, Vol. 49, Issue: 1, 2025.
- 2. Mrs. P. Priyanka, published a paper entitled "A New Machine Learning Method for Identifying Android Malware by Using Features That Co-Exist" in the Journal of Periodicodi Mine, Vol: 94, Issue: 2, 2025. DOI: https://doi.org/10.5281/zenodo.15165584
- 3. **Mr.G. Kishor Kumar** published a paper entitled "MedPro: A Hybrid Recommendation System with Advanced OCR for Medical Applications" in the Journal of Power System Technology, March 2025.

FDP/Seminar/Workshop/Conference Attended:

- Mr. V.P. Hara Gopal, participated in workshop on "IP Awareness/Training program" under National Intellectual Property Awareness Mission on O3rd January, 2025. The program was organized by Intellectual Property Office, India.
- **Dr. G. Kishor Kumar,** attended a workshop "Educator Summit 2025" on 23rd January 2025 at Google Bangalore Office organized by Eduskills in collaboration with AICTE and supported by Google India.
- Dr. G.Kishor Kumar and students Ms. K.Deepthi, Ms. A. Yamuna, Mr. A.Nithesh, Mr. C. Charan, and Mr. K.Venkatesh from III B.Tech II Sem attended a Conference on "Collaborative Automation: The Future of Industry" in February, 2025.



Dr. G. Kishor Kumar and students at the Conference

- Mrs. C. Leelavathi, Mrs. B.V.S.N Lakshmi, Mrs. P. Priayanka, Ms. C. Rekha, Mr. N.Bala Kishore and Mr. V.P. Hara Gopal attended one Week National Level FDP on "Al Tools" organized by Anjuman Insitute of Technology and Management, Bhatkal in association with BrainOVision Solutions India Pvt Ltd in collaboration with AICTE from 17th to 21st Febuary, 2025.
- Mr. P. Arun Babu, Mrs. B.V.S. N. Lakshmi and Ms.C.Rekha, participated in A Five day online FDP on "Research Methodology & IPR" organized by Innovation and Entrepreneurship Development (IEDC) of Geethanjali Institute of science & technology, Nellore, from 24th February to 1st March, 2025.
- Mr. V.P. Hara Gopal presented a paper titled as "Deep Learning-Based NIDS: A CNN-LSTM approach for Intrusion Detection" in 13th International Conference on Contemporary Engineering and Technology 2025 (ICCET) The conference was organized by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamilnadu, India in collaboration with Samarkand State University, Uzbekistan on 22nd and 23rd March, 2025.
- Mr. P. Arun Babu presented a paper on "Air Quality Index Forecasting Using Machine Learning" in 13th International Conference on Contemporary Engineering and Technology 2025 (ICCET)organized by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamilnadu.
- Mrs. B.V.S.N. Lakshmi presented paper titled as "Stock Price Forecasting Model using Investor Sentiment and Deep Learning Optimization" in 13th 13th International Conference on Contemporary Engineering and Technology 2025 (ICCET)organised by Prince ShriVenkateshwara Padmavathy Engineering College, Chennai, Tamilnadu.
- Mrs. P. Priyanka presented a paper on "A New Machine Learning Method For Identifying Android Malware By Using Features That Co-Exist" in 13th 13th International Conference on Contemporary Engineering and Technology 2025 (ICCET) organised by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamilnadu.

• **Dr. G.Kishor Kumar** presented a paper titledas "Deep Fake Detection Using CNN Architecture" in 13th International Conference on Contemporary Engineering and Technology 2025 (ICCET) organized by Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamilnadu.

FDP/Workshops/Conference/Seminars/Guestlectures organized

- A Two Day workshop on "Digital Marketing" for II B.Tech II Sem students was held on 14th and 15th February, 2025. Mr. Nagendra Madineni, CEO, RESHAPP Software Solutions, Hyderabad attended as resource person for this workshop.
- A Two-day workshop on "Hands-on Workshop: Exploring Robotics with Arduino" was conducted for II B.Tech II Sem students on 14th and 15th February, 2025.
- A Three Day workshop on "Generative AI" from 27th February to 1st March 2025 was held for the II B. Tech and III B. Tech students.
- A One Day workshop on "NvidiaJetson AI & Robotics Workshop" was organized on 20th March 2025. Mr. Kabilan K.B from Nvidia attended as the resource persons for this program.

Patent

• Mr. V.P. Hara Gopal and Mr. P .ArunBabu published a patent on "Ensemble Transfer Learning-based Classification model for Knee Osteoarthritis", in March, 2025.

Student Achievements

- Ms. Kommaddi Deepthi (22091A3311) secured 1st prize in paper presentation in RIPPLE 2K25, National level technical symposium organized by Department of ECE, during 24th and 25th February, 2025
- A.Nithesh (22091A3336), P.Mohan Krishna (22091A3331), K.Nirmala (22091A3335) and T. Hiranya Jahnavi (22091A3319) secured I prize in Ardubotics Hackathon organized by the Department of ECE, RGMCET during 4th and 6th January, 2025.

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DEPARTMENT OF MANAGEMENT SCIENCE

Doctorate



Y. Mallikarjuna Achari, Assistant Professor, Dept. of Management Studies received Doctorate from Yogi Vemana University, Kadapa on 7th February, 2025. He carried out his research on "A Study on Investment Behaviour and Attitude of Mututal fund Investors with reference to Rayalaseema Region of A.P" under the supervision of Dr. P.V. Varaprabhakar, Associate Professor, Yogi Vemana University, Kadapa.

Faculty Research Publications in International Journals

- **G. Bhavani** published a paper on "Nanotech at the Heart of Healthcare: Innovations for Better Health and Well Being" in the Journal of Nano Technology Perceptions Vol:20, Issue: 7, Pp:3152-3162, ISSN: 1660-6795, in 2024.
- **G. Bhavani** published a paper titledas "Nanotechnology and the Future of Urban Living: Transforming Smart Cities for Sustainability and Equity" in the Journal of Nontechnology Perceptions, Vol:20, Issue:7, Pp:3163-3172, ISSN: 1660-6795, in 2024.
- K. Ramakrishna published a paper on "The Impact of HR Analytics on Organisational Culture And Employee Engagement" in the Journal of Advanced Zoology, Vol. 45, Issue: 6, pp 40-46, ISSN: 0253-7214, in 2024.
- **Dr. M. Sudheer Kumar** published a paper titledas *"Innovation and Technological Entrepreneurship."* in the Journal of Advanced Zoology, Vol:45, Issue: S-4, Pp 484-493, ISSN: 0253-7214, 2024.
- Dr. Aliya Sultana, published a paper titled as "Sustainable Financial Models for Higher Education in India: A Strategic Approach", in the Journal of Information Systems Engineering and Management, Vol :10, Issue: 3(2025), E-ISSN: 2468-4376, DOI: https://doi.org/10.52783/jisem.v10i3.9813 (Scopus)

FDP/ Seminar/ Workshop/ Conference Attended

- **Dr. S. Sowjanya** published a paper in IEEE conference titled as "Data-Driven Insights into Student Performance: Benchmarking Machine Learning Models for Grade Prediction using Regression and Classification Approaches" in January, 2025.
- Dr. Y. Mallikarjuna Achari, attended Faculty Development Program on "Beyond Limits: Exploring Supercomputing Applications in Business Management" at SRM Institute of Science and Technology from 6th to 11th January, in 2025.
- Dr. Y. Mallikarjuna Achari, attended the "Innovation Ambassador Training Foundation Level" conducted through online MoE's Innovation cell and AICTE from 28th Feb to 4th March, in 2025.

- Ms.M. Shahimoon et al., participated Faculty Development Program on "Business Analytics" organized by Ashoka Women's Engineering College, Kurnool from 11th March to 15th March 2025.
- Dr. Y. Mallikarjuna Achari, et al., participated in Faculty Development Program on "Research Methdology and Power of Research Tools" organized by St. Joseph College, Chennai from 7th April to 12th April 2025.
- **Dr. Aliya Sultana** participated in a Two day workshop on "*Project Writing for grants*" How to write a project, Applying for grants & Research Paper writing" from 25th to 26th January, 2025 organized by Research Foundation of India and BPIT, New Delhi.
- Dr. Aliya Sultana participated in the Masterclass series under IP Utsavorganized virtually by the AICTE & Ministry of Education Innovation Cell (MIC) from 21st April to 26th April, 2025.
- **Dr. S.Sowjanya** participated in International Conference on Intelligent Systems and Computational Networks (ICISCN-2025) organized by Lingraj Appa Engineering College, Bidar during 24th to 25th January, 2025.
- Ms. M. Shahimoon, et al., attended the Workshop on "Al in Management" organized by K.V.Subba Reddy Institute of Management, Kurnool from 2nd to 5th April 2025.

Workshops Organized

• The Department organized workshop for MBA II Sem students entitled Auto 2-Wheeler on 28th March 2025. Mr. P.V. Jaya Sankar, Asst Professor, Department of ME, RGMCET attended as a Chief Guest.



Mr. P.V.JayaSankar, Speaker along with HOD and other Faculty Members are at program.

• The Department organized workshop for MBA II & IV Sem students titled as Awareness on Asset Management on 4th April2025. **Mr. V. Venkata Vinod,** Manager AMFI Mutual Fund, Hyderabad attended as Chief Guest.

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DEPARTMENT OF MATHAMATICS

- Dr. K.V. Suryanarayana Rao, Dr. S. Venkateswarlu, and Dr. D. Dastagiri Babu published a paper on "The Dominance of Annihilator In Product Graphs" in the Journal of Periodicodi Mineralogia, Vol: 94, Issue: 1, 2025. https://doi.org/10.5281/zenodo.14729114WOS(SCIE).
- Dr. S. Venkateswarlu, Dr. D. Dastagiri Babu and Krishna, M. V. published a paper titled as "Effects of Heat Generation And Absorption on Thermal Radiative MHD Flow Of Chemically Reacting Cassonnanofluids Over A Wedge." in the Journal of CaseStudies in Thermal Engineering, Vol:65, 105637. WOS(SCIE)
- Dr. P. Sudarsana Reddy and Dr. P. Sree Devi published a paper titled as "Thermally Radioative Nano-encapsulated Phase Change Materials Heat Transport Proficiencies In Latent Heat Thermal Energy Storage Device Filled With Permeable Media And Microorganisms." in the Journal of Porous Media, 2025.https://doi.org/10.1016/j.icheatmasstransfer.WOS(SCIE)
- **Dr. P. Sreedevi and Dr. P. Sudarsana Reddy** published a paper on "Hybrid Nano Fluid Mass And Heat Transport Characteristics Over A Swirling Cylinder With Modified Fourier Heat Flux And Gyrotactic Microorganisms." in the Journal of Smart Science, Pp:1–16. https://doi.org/10.1080/23080477.2024.2448469 WOS(ESCI)
- Dr. P. Sreedevi and Dr. P. Sudarsana Reddy published a paper titled as "Flow And Heat Transfer of Thermally And Chemically Radiative Nano-Encapsulated Phase Change Materials (Nepcms) Inside A Permeable Latent Heat Thermal Energy Storage Device." in the Journal of International Communications in Heat and Mass Transfer, Vol:163, 108748. 2025. https://doi.org/10.1016/j.icheatmasstransfer.WOS(SCI)
- Dr. P. Sreedevi, Dr.P. Sudarsana Reddy and A.J. Chamkha published a paper on "Thermal Radiation And Cattaneo—Christov Heat Flux Effect On Heat Transfer Inside A Porous Square Enclosure By Using LTNE Model." in the Journal of Multi Discipline Modeling in Materials and Structures.https://doi.org/10.1108/mmms-07-2024-0198WOS(ESCI)
- **Dr. P. Sudarsana Reddy and Dr. P. Sreedevi** published a paper titled as "Thermally Radio-activess Nano—Encapsulated Phase Change Materials Heat Transport Proficiencies In Latent Heat Thermal Energy Storage Device Filled With Permeable Media And Microorganisms." in the Journal of Porous Media https://doi.org/10.1016/j.icheatmasstransfer.2025.108748WOS(SCIE)
- Dr . P. Sreedeviand, Dr.P. Sudarsana Reddy published a paper on "With Modified Fourier Heat Flux And Gyrotactic Microorganisms." in the Journal of Smart Science, 1–16. https://doi.org/10.1080/23080477.2024.2448469. WOS(ESCI)

- **Dr. G. Ramasekhar** published a paper titled as "Exploring The Role Of Casson Hybrid Nanofluid Flow Through A Stretching Cylinder With A Significant Impact Of Heat." source/link: A computational analysis. AIP Advances, Vol: 1, Issue: 3. https://doi.org/10.1063/5.0254849. WOS(SCIE)
- Dr. G. Ramasekhar published a paper on "Theoretical Investigation of The Casson Hybrid Nanofluid Flow Through A Stretching Surface With Thermal Radiation: A Biomedical Application." in The Journal of European Physical Journal Plus, Vol:140, Issue:2. 1-11.https://doi.org/10.1140/epjp/s13360-025-06064-y. WOS(SCIE)

DEPARTMENT OF PHYSICS

- N. Ravi et al., published a paper on "Influence of high-k La2O3 interfacial oxide layer on the performance of GaN based Schottky barrier ultraviolet-B and A photodetection sensors" in the Journal of Optical Materials Vol:158, in 2025. (SCI) https://doi.org/10.1016/j.optmat.2024. 116499.
- N. Ravi et al., published a paper titled as "Optimizing energy transfer in Er3+/Yb3+ Co-doped heavy metal oxide bismuth borate glasses for C-band optical amplifiers", in the Journal of Optics Vol: 163, 2025. (SCI) https://doi.org/10.1016/j.optmat.2025.116939.
- N. Ravi, et al., published a paper on "MnO2-doped tellurite glasses: Potential and performance in faraday rotator technologies", in the Journal of Journal of Non-Crystalline Solids, in 2025. (SCI) https://doi.org/10.1016/j.jnoncrysol.2025.123541.\
- **B.C. Jamalaiah,** et al., published a paper titled as "Er3+-doped oxyfluoroborosilicate glass ceramics with embedded CaF2 nanoparticles for 1.53 µm broad band applications", in the Journal of Optics Communications, in 2025. (SCI) https://doi.org/10.1016/j.optcom.2024. 131243.
- B.C. Jamalaiah, published a paper on "Nd3+-doped B2O3-SiO2-AlF3-NaF-CaF2 glass ceramics for 1.06 μ m emission", in the Journal of SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy, in 2025. (SCI) https://doi.org/10.1016/j.saa.2024.125405.
- B.C. Jamalaiah, published a paper on "Tm3+ doped CaF2 based oxyfluroborosilicate glasses and glass ceramics for visible and NIR lasers", in the Journal of Luminescence, 2025. (SCI) https://doi.org/10.1016/j.jlumin.

DEPARTMENT OF CHEMISTRY

Faculty Research Publications in International Journals

- **Dr. Rajasekhar** et al., published research paper on "Research For Sustainable Hydrogen Energy Economy" in an International Journal of Next Energy, Vol. 7, April, 2025. https://doi.org/10.1016/j.nxener.2024.100227.
- **Dr. Arun Babu Birusanti**, et al., published a paper titled as "Synthesis And Characterization Of Multi-Responsive Iron Oxide Nano Particles: Evaluation of Antibacterial Properties And Photocatalytic Activity." in the Journal of Molecular Liquids, Vol:417, Issue: 1, January, 2025. https://doi.org/10.1016/j.molliq.2024.126619.

FDP/ Webinar/Conference/Seminars/Guest lectures organized

• The Departmentorganized a Webinaron "Bridging Chemistry and Technology: The Journey of Organic Light Emitting Diode" on 13th April, 2025. Dr. Jaipal Devesing Girase, Research Professor, Gyeongsang National University, South Koreaactedas a Guest Speaker for this program.

DEPARTMENT OF ENGLISH

- Dr. Y. Suneetha published a paper on "AI Driven Communication Skills for Future Professionals" in the Journal of RJOE, Vol:10,Special Issue:1, Pp:176-179, ISSN: 2456-2696, 2025.
- Dr. A.K. Gopi Krishna, Dr. Y. Suneetha, Dr. P. Kousar Basha and Dr. G. Kiran Kumar Reddy published a paper titledas "Unfolding the Ethical perceptions in selected Novels of R.K. Narayan- A Review study" in the Journal of Quaderns, Vol:13, Issue: 1, Pp. 83-89. ISSN: 1138-5790, January, 2025. (ESCI)
- Dr. P. Kousar Basha published a paper on "Modern Indian English Drama: A Historicist Reading of the Selected Plays" in the Journal of STRAD RESEARCH, Vol. 12, Issue: 3, ISSN: 0039-2049, March, 2025. Website:http://stradresearch.org/
- Dr. G. Kiran Kumar Reddy and Dr. A.K. Gopi Krishna published a paper on "Relevance of Ikigai in Today's fast paced Human Life A study" published in the Journal of RJOE, Vol:10, Special Issue: 1, Pp: 195-202, ISSN: 2456-2696, May, 2025.
- **Dr. G. Kiran Kumar Reddy** Published a paper titled as "Comprehension and Processing Strategies: A Profile of Male and Female Graduate Learner's in Foreign Language Learning (FLL)" in the Journal of Language Related Research, Vol:16, Issue:: 1, Pp: 271-297, EISSN: 2383-0816, March- April 2025. (Scopus)

- Dr. G. Kiran Kumar Reddy , Dr. P. Kousar Basha & Dr. A.K. Gopi Krishna published a paper on "Satan characteristics in Milton's Paradise Lost in A diagnosis" in the Journal of RJELAL, Vol: 13, Issue: 2, Pp: 50-55, ISSN: 2321-3108, in April, 2025. https://doi.org/10.33329/rjelal. 13.2.50.
- Dr. P. Kousar Basha published a paper titled as "Life style of Transgender /Gay in Modern society" in the Journal of Xidian University, ISSN:1001-2400, Vol:19, Issue:1, Pp:95-100, 2025.
- Dr. G. Kiran Kumar Reddy published a paper titled as "Chitra Benarjee Divakurni's The Palace of Illusion Vs Sashi Tharoor's The Great Indian Novel: A comparative analysis of characterization of Draupadi" in the Journal of RJELAL, Vol:13, Issue: 2, Pp: 78-84, 2025. https: //doi.org/ 10.33329/rjelal.13.2.78.ISSN: 2321-3108
- Dr. G. Kiran Kumar Reddy published a paper on "El and Indian Traditions in R.K. Narayan's The Man Eater of Malgudi" in the International Journal of English Literature and Social Sciences (IJELS) Research Journal, Vol:10, Issue 3, Pp: 421-424, https://doi.org/10. 22161/ijels.103.60. ISSN: 2456-7620

FDP/Seminar/Workshop/ Webinar/Conference Attended

Dr. Suneetha. Y attendedthe 'Bridging Industry & Academia Expectations Conference 2025', organized by Cambridgein Bengaluru on 21st February, 2025. The Cambridge Thought Leadership Conference, a prestigious event designed to bring together leading industry experts and academicians to explore the evolving landscape of communication skills in the Al-driven, hybrid work environment of tomorrow.





Dr. Suneetha .Y chaired the Session in a National Seminar on Recent Disciplinary Trends towards Social Transformation held at Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, from 21st to 22nd March, 2025. She also presented a paper in the seminar.

- Dr. P. Kousar Basha, Dr. C. Sankar Goud, Mrs. M. Aparna attended a Professional Develop -ment Programme on NEP 2020 & Education 4.0 held in RGMCET during 16th June 21st June 2025.
- Dr. G. Kiran Kumar Reddy and Dr. A.K. Gopi Krishna, presented a paper titled as "Evaluation of Paraphrasing Skills of I. B. Tech Engineering Students – A Study" in an International Seminar on Digital Humanities-2025 at VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad, Telangana, during 22nd to 24th January, 2025.
- Ms. S. Prashanthi presented a paper "Al Driven Communication Skills for Future Professionals" in a National Seminaron Recent Disciplinary Trends towards Social Transformation heldat Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, from 21st to 22nd March, 2025.



35

- Dr. G. Kiran Kumar Reddy and Dr. A.K. Gopi Krishna, presented a paper titled as "Relevance of Ikigai in Today's fast paced Human Life A study" in a National Seminar Recent Disciplinary Trends towards Social Transformation at Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh during 21st to 22nd March, 2025.
- Dr. Y. Suneetha and Dr. A.K. Gopi Krishna presented a paper titled as "Revisiting Shakespeare's Phrases and Quotes for 2.0 Learners" in a two day International Seminar on Shakespeare and Contemporary Studies organized by Vignan University (VFSTR), Andhra Pradesh, from 23rd to 24th April, 2025.
- Ms. S. Prashanthi participated in an international webinar on "Revisiting and Revitalizing Communicative Language Teaching in Undergraduate Classrooms in Telangana: Mapping, The 20 years Journey" held on 8th April, 2025 organized by Govt. Degree College for Women, Gajwel, Telangana.
- Dr. G. Kiran Kumar Reddy participated in "Mastering Spoken English Metacognition and Vocabulary Development webinar" organized by ELTAI Webinar Series-I.
- Dr. A.K. Gopi Krishna attended a FDP titled as "Teaching Innovations, Research Directions, and Funding Pathways" from 17th to 22nd February, 2025 organized by SR University, Hanamakonda, Telangana.

FDP/Seminar/Workshop/ Webinar/Guest Lecture Organized

• The Department organized a Guest Lecture on "The Glory of English Language in Global Scenario" on 23rd April, 2025 to mark English Language day. Dr. S. Naga Lakshmamma, Assistant Professor of English, IASE, Kurnool delivered a talk on the importance of English language in the present world and highlighted key points of life skills from Shakespeare's plays.





• The Department organized Poster Presentation Contest for I.B.Tech students to enhance writing and creative skills. Students have presented Posters on various topics and faculty of English mentored them.

Achievement:

Dr. A.K. Gopi Krishna attended the 25th Convocation at JNTUA on 17th May 2025. He received Ph.D degree from JNTUA Vice-chancellor **Prof. Dr. H. Sudarsana Rao**



Patents

- M. Aparna published a Patent on "Al Driven Innovations in ELT for enhancing Speaking Fluency" Application No: 202541009469, on 14th February, 2025.
- Dr. A. K. Gopi Krishna, Dr. G. Kiran Kumar Reddy, Dr. C. Sankar Goud, Ms. S. Prasanthi and Dr. P. Kousar Basha published a patent on "Identification of Articulation Variations of EFL students of Higher Education: A Linguistic Study" Application No: 202541049239 in June, 2025.

Book Review

- Dr. G. Kiran Kumar Reddy published a Book Review titled as "Chankya in You" in the Journal of The Criterion: An International Journal in English, Vol:16, Issue: 1, Pp. 1019-1021, ISSN 0976-8165, in February, 2025.
- Dr. G. Kiran Kumar Reddy reviewed a paper titled as "Study on Marketing Activities of Girijan Cooperative (GCC) in high Altitude and Tribal zone in Andhra Pradesh" for Journal of Scientific Research and Reports.



Sports News

- In the process of encouragement of various sports and cultures, the Vignan University organized **VIGNAN MAHOSTAV**. The event was held at SV Grounds in Sri Vidhyanikathan, Tirupati, during 4th to 6th January, 2025. The RGMCET Team participated in KABADDI.
- The MITS, Madanapalli, organized Sports Event from 17th to 19th February, 2025. The RGMCET Team participated in KABADDI.



Kabaddi players of RGMCET at MITS, Madanapalli, Campus.

SNAPSHOTS OF ROBOTIC LAB @RGMCET









GLIMPSES OF EXPO













