



RGM RAYS

(Resplendent Activities of Yester Semester)



EXCELLENCE
IN EDUCATION
FOR A BRIGHTER
TOMORROW

The Institute News Letter

Rajeev Gandhi Memorial College of Engineering & Technology (AUTONOMOUS)

Nandyal – 508501

Approved by AICTE – Accredited by NBA, Participated in World Bank TEQIP, Affiliated to JNTUA, Ananthapuramu

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The Honourable Vice-Chancellor of JNTUA Prof. H. Sudarsana Rao, Dr. M. Santhiramudu, Chairman, RGM Group of Institutes, Prof. T. Narayana Reddy, Secretary of the Sports Council, JNTUA, Dr. T. Jayachandra Prasad, Principal and Dr. D.V. Ashok Kumar, Director, RGM CET, are at the Inaugural Ceremony of 13th Inter Collegiate JNTUA Games Meet 2025-26 in January, 2026.



Facilitation of
Top 2% Scientists @
RGM CET



Chief Patron

Dr. M. Santhiramudu,
Chairman,
RGM Group of Institutions,
Nandyal.

Editorial Panel

Dr. T. Jayachandra Prasad
Principal
&
Dr. Y. Suneetha, Professor
Dr. AK Gopi Krishna, Asst. Professor,
RGM CET.

Principal's Desk



It is a privilege to mention that RGM CET is constantly making cumulative achievements by maintaining standards in producing engineers. This semester also ended on a very high note as our College attained the prime positions in the NIRF, NAAC and other research rankings.



We continue to progress our mission with innovative pedagogy, research balancing student development. The scholastic initiatives at RGM CET such as Technical Symposia, FDPs, Workshops and Training programs represent a positive step in facilitating internalization and institutionalization of quality enhancement. I appreciate the hard work of the faculty members for their relentless efforts in teaching and research by balancing both domains.

In RGM CET, we strive to map academic excellence with co-curricular activities which would develop the overall personality of students. Recently, the Electrical Vehicle Laboratory for students was launched to provide EV technical qualities by hands-on learning.

We move forward with cutting edge facilities and unique technological features that introduce our students to the future. I would like to reiterate that the academic institutions should drive creativity, innovation, knowledge and community engagement through teaching and research. This will make students attain the best learning experience. Let us take the pledge to continue the same efforts and encourage positive changes and innovative ideas.

Best wishes

Dr.T. Jayachandra Prasad
Principal

Research & Development Cell

Top 2% Research Scientist in RGM CET

The prestigious Stanford University and Elsevier database announced the '**Top 2% World Ranking Researchers**' for the year 2025. The researchers are recognized as being experts in their respective fields in the rankings produced by Stanford University in conjunction with publisher Elsevier and the SciTech Strategies.

Faculty Members of RGM CET listed in the World's Top 2% of Scientists

S. No	Name of the Faculty	Department	Rank
1	Dr. P. Sudarsana Reddy	Mathematics	866
2	Dr. P. Sreedevi	Mathematics	1062
3	Dr. Upendra Rajak	Mechanical Engineering	2977
4	Dr. B. C. Jamalaiah	Physics	4138
5	Dr. K. Venkata Krishnaiah	Physics	6376

The faculty members were felicitated by the Dr. M. Santhiramudu, Chairman, RGM Group of Institutes, Dr. T. Jayachandra Prasad, Principal, Dr. DV. Ashok Kumar, Director and faculty members received an Appreciation Certificate and cash memos on 21st February, 2026.



Recipients with College Authorities

13th Inter Collegiate JNTUA Games Meet 2025-26 @ RGM CET



10 – 12 January 2026


2,098
Participants

288
Teams

40
Colleges


The 13th JNTUA Inter-Collegiate Games Meet 2025-26 was magnificently organized by Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous), Nandyal, from 10th to 12th January 2026. The Honourable Vice-Chancellor of JNTUA Prof. H. Sudarsana Rao, along with Dr. M. Santhiramudu, Chairman, RGM Group of Institutes, Prof. T. Narayan Reddy, Secretary of the Sports Council, JNTUA, inaugurated the Games. The three-day mega sporting event was conducted by RGM CET under the aegis of Jawaharlal Nehru Technological University Anantapur (JNTUA), and witnessed enthusiastic participation from constituent, autonomous, and affiliated colleges of the University.

Sports such as Volleyball, Basketball, Kabaddi, Handball, Football, Ball Badminton, Table Tennis (Singles), Table Tennis (Doubles), Badminton (Singles), Badminton (Doubles), Rugby and Throwball were conducted in the Meet.

Around 2,098 students, sportspersons and PDs participated in various sports events, demonstrating exceptional talent, discipline, teamwork, and sportsmanship. Around 288 men and women teams from 40 colleges took part in this meet. The winning teams received mementoes and certificates from the authorities.



Glimpses of Inter-Collegiate JNTUA Games Meet 2025-2026



Ph.D. Awarded

P. Madhu Sravanthi, Asst. Professor, Dept. of Mathematics, was awarded a Ph.D. Degree from Koneru Lakshmiah Education Foundation (Deemed-to-be-University), Vadeswaram, Vijayawada, on 01 May 2026. She worked on “**MHD Effects on Bioconvective Nanofluid Flow with Gyrotactic Microorganisms over a Stretching Sheet**” under the guidance of *Dr. M. Radha Madhavi*, Associate Professor, K L University.



Institution's Innovation Council Activities



Srujan Shibir Program

19 February 2026

In collaboration with the Atal Incubation Centre (AIC) and Sri Krishnadevaraya University (SKU), IIC organized the **Srujan Shibir Program** on 19 February 2026. The program aimed to inspire students to develop innovative ideas and understand the fundamentals of entrepreneurship. **Dr. P. Jyothi**, Incubation Associate, AIC-SKU, addressed the participants. Students from various branches attended the program.



Exposure Visit of Incubation Labs

22 February 2026

The IIC members visited Incubation Labs of PM SHRI ZP High School, Panyam, along with RGM CET students on 22 February 2026. During the visit, IIC members discussed topics such as the ecosystem, start-up culture and incubation facilities with the students.

Dr. P. V. Gopi Krishna Rao, IIC Co-ordinator, guided the students throughout the visit.



Workshop on Design Thinking and Idea Generation for Innovation

10 March 2026

A workshop on **Design Thinking and Idea Generation for Innovation** was organised for students on 10 March 2026. The workshop focused on developing creative problem-solving skills and promoting innovative thinking among students. **Dr. K. Swetha Kumari**, Women Scientist-A, from Sri Padmavati Mahila Visvavidyalayam, Tirupati, attended and shared her views.

Innovation & Intellectual Property

National Intellectual Property Awareness Mission (NIPAM) Program

08 April 2026

The National Intellectual Property Awareness Mission (NIPAM) Program was conducted on 8 April 2026 in collaboration with the Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM), Nagpur. The program highlighted IPR elements such as patents, copyrights, trademarks, and the importance of protecting innovations.

Mr. Kumar Raju, Assistant Controller of Patents & Designs, RGNIPM, Nagpur, enlightened the gathering.

Idea Generation & Validation Workshop and Onsite Coaching

03 June 2026



In association with IQAC and the Department of Data Science, RGM CET, and IIC organized the Idea Generation & Validation Workshop and Onsite Coaching on 3 June 2026. The workshop focused on generating innovative ideas, validating start-up concepts, and mentoring students to develop entrepreneurial solutions. **Dr. C. Chandra Mouli**, CEO, Atal Incubation Centre, SK University, Ananthapuramu, served as the resource person.

Women Empowerment Cell



Online Self-Defence for Women

20 February 2026

An Awareness Program was conducted on **Online Self-Defence for Women** to promote digital safety and cyber awareness among women on 20 February 2026. The session was led by **R. Gouthami**, C.I., Mahila Police Station, Nandyal, and **Dr. Korra Lakshman**, Director, In charge & Head, Women Organisation, Hyderabad. The program focused on safe online practices, cybercrime prevention, and self-protection strategies in the digital environment. Faculty members and students took part in this event.

International Women's Day

07 March 2026

International Women's Day was celebrated on 07 March 2026 on the campus. The event was graced by **Smt. S. Thangamani**, Principal Senior Civil Judge, Nandyal. As part of the celebrations, various competitions including Dance, Rangoli, and Logo Design were conducted to encourage creativity and cultural expression. The event witnessed enthusiastic participation and fostered a spirit of unity and empowerment among the attendees.



DEPARTMENT OF CIVIL ENGINEERING

Faculty Research Publications in International Journals

- 1 **Dr. Raja Ram**, published a research article titled as **"Historical Evolution of IS 1893 Base Shear Provisions: Towards a Novel Approach in the 2025 Code Revision"** in Journal of Earthquake Engineering' Taylor & Francis Group Publishers, Vol. 30, Issue 4, pp. 1–13, on 01 March, 2026. DOI: <https://doi.org/10.1080/13632469.2026.2642758> (SCI)
- 2 **Dr. K. Venkateswarlu**, published a research article titled as **"A bio-polymeric strategy for enhancing the strength, durability of concrete and shrinkage reduction"**, in 'Scientific Reports', Taylor & Francis Group Publishers, Vol. 10, Issue. 3, pp. 995–1015, on 28 February, 2026. DOI: <https://doi.org/10.1038/s41598-026-38804-0> (SCI)
- 3 **Dr. Raja Ram**, published a journal paper titled **"Seismic Assessment of mid-rise Buildings on Hill Slopes under Near-fault Ground Motions: A Parametric Study"**.



Research Publications • Continued

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in Journal of Earthquake Engineering Innovative Infrastructure Solutions Publishers, Vol. 20, Issue 8, pp. 343–364, on 02 June 2026. DOI: <https://doi.org/10.1007/s41062-026-02715-w>. (ESCI)

- **V. Madhu**, et al., published a journal paper titled **“Comparative Study on Coagulation Efficiency of Chemical and Natural Coagulants for Urban Wastewater Treatment in Nandyal, Andhra Pradesh”**, in International Journal of Engineering Development And Research (www.IJEDR.org), ISSN: 2321-9939, Vol. 14, Issue 2, pp. 266–272, in April 2026.
- **V. Madhu**, et al., published a research paper titled **“An experimental study on the treatment of bio-medical wastewater using small scale vertical constructed wetland”**, in International Journal of Engineering Development and Research, ISSN: 2321–9939, Vol. 14, Issue 2, pp. 81–86, in April 2026.
- **V. Madhu**, et al., published a journal paper titled **“Performance Evolution of Natural Coagulants in Sullage Water Treatment Plant”**, in International Journal Of Engineering Development and Research (www.IJEDR.org), ISSN: 2321-9939, Vol. 14, Issue 2, pp. 954–961, in April 2026.

Conference Papers

International Conferences

Faculty Name	Paper Title	Conference Title & ISBN	Year
G. N. Sreekanth	Prediction of Compressive Strength of Concrete using Linear Regression, Artificial Neural Networks and Decision Trees	Proceedings of the International Conference-CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
Dr. Sunandana Reddy, et al.	ML Algorithms and GIS Network Analysis in the optimization of Urban Mobility	Proceedings of the International Conference-CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
Dr. G. Sreenivasulu, et al.	A Geospatial and Structural Analysis of South Indian Temple Complexes using Land Surface Temperature (LST) and NDVI	Proceedings of the International Conference-CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026

International Conferences

CONFERENCE PAPERS / CONTINUED

Faculty Name	Paper Title	Conference & ISBN	Date
Dr. P. V. Gopi Krishna Rao, et al.	IoT Framework for Monitoring the Condition of Roads	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
Dr. C Rajaram	Seismic Damage Assessment and Retrofitting of Tarun Mavi School Building, Nepal	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
K. Naveena, et al.	Photocatalytic Concrete for Sustainable Urban Applications	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
M. Ummar Basha, et al.	Assessment of Rainwater Harvesting Potential Zones And Site Suitability For Guntur Region By Using GIS	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
Salman Aluru, et al.	Determination of Ground Motion Predict Equations Of New Zealand Region Using Multilinear Regression Analysis	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
S. Snigdha Malya & N. Mallesh	A Study On Strength Characteristics of Self Curing Concrete With Different Self Curing Agents	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
V. Madhu, et al.	Analysis And Mapping of Air Pollution For Tirupati City Using Arc GIS	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026
S. Sudheer Kumar, et al.	Traffic Intersection Analysis using VISSIM Microsimulator	Proceedings of the International Conference- CISSCE-2K26 ISBN-978-81-978770-2-5	March 2026

National Conferences

- 1 **G. N. Sreekanth, et al.,** presented a paper titled **“Machine Learning Techniques to Predict the Compressive Strength of Metakaolin Blended Concrete”** in Proceedings of National Conference on Next generation construction with sustainable, resilient and smart civil engineering, NCSRSC 2025, on 18th & 19th September, 2025. The conference was organised by Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu, ISSN: 9-788199-092617. PP. 133-138.
- 2 **T. Shanthala, D. Neeraja and K. Srikanth,** presented a paper titled **“Sustainable Repair of Fire-Damaged Concrete Structures: Nano Engineered, Fiber-Reinforced, and Life-Cycle Optimized Approaches”** in Proceedings of National Conference on Next generation construction with sustainable, resilient and smart civil engineering, NCSRSC 2025, on 18th & 19th September, 2025. The conference was organised by Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu, ISSN: 9-788199-092617, PP. 91-102.
- 3 **A. Mounika, et al.,** presented a paper titled as **“Evaluation of Mechanical Properties of Asphalt Concrete Incorporating Single-Use Plastic Wastes and Waste paper Pulp Oil”** in Proceedings of National Conference on Next generation construction with sustainable, resilient and smart civil engineering, NCSRSC 2025, 18th & 19th September, 2025. The conference was organised by Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology (Autonomous), Ananthapuramu, ISSN: 9-788199-092617, PP. 188-200.

Workshops, Conferences & Seminars

The Department celebrated 3rd Anniversary of IEEE GRSS “Formation Day” on 01st January, 2026 in civil gallery, faculty and students attended the program.



A One Week Training Programme on **Differential Global Positioning System (DGPS)** was organised from 30th January to 06th February, 2026. **Mr. Orsu Ramu, MD,** Sri Vishweswara Engineers & Surveyors, Hyderabad, attended as resource person.

DEPARTMENT OF CIVIL ENGINEERING

Academic Activities

2026

1 Two-Day Workshop on Machine Learning Applications in Civil Engineering: From Python Fundamentals to Predictive Modeling

A Two-Day Workshop on Machine Learning Applications in Civil Engineering: From Python Fundamentals to Predictive Modeling was conducted on 06th and 07th February, 2026 for students. **Dr. G. Kishor Kumar**, Head of CSC (AI&ML), RGM CET, attended as resource person.



2 Webinar on Geospatial Technology in Sustainable Water Resources Management

A Webinar was organised for students on Geospatial Technology in Sustainable Water Resources Management on 17th January, 2026. **Dr. Palanivel**, Professor, Department of Remote Sensing, Bharathidasan University, Tiruchirappalli, Tamil Nadu, attended as resource person.



3 Industrial Visit to JSW Cement Industry for Practical Learning & Technical Exposure

An Industrial Visit organised to the **JSW Cement Industry for Practical Learning & Technical Exposure** on 19th February, 2026 for III B.Tech students. The visit was conducted under the banner CIVISTA – the Civil Engineering Student Club.



4 Seminar on Water Proofing Techniques

A Seminar on **Water Proofing Techniques** was conducted on 21st February, 2026. **Mr. Harsha Malapalli**, Specification Manager, Pedilite Professional Solution, HYD, attended as resource person.



5 Geological Visit to Belum Caves Unveiling the Karst Topography

A Geological Visit was organised to the **Geological Expedition to Belum Caves Unveiling the Karst Topography** on 24th February, 2026 for III. B.Tech Students.



Activities & Achievements



RIPPLE TRACE-2K26

Major Technical events such as **13th National Level Students' Technical Symposium, RIPPLE TRACE-2K26, Practical AI for Civil Engineers: Construction Execution, Safety and Project Management** on 27th and 28th February, 2026. **Mr. Niyanth Vashist**, Founder of Ascend School of Construction Business, Bengaluru, attended as resource persons.

Civil Engineering Awareness

A Seminar on **Civil Engineering Awareness & New Opportunities for Civil Engineers in the Field** was conducted on 05th March, 2026 under the student Club-Civista. **Mr. Uppalapati Murali Krishna**, Deputy General Manager, Zuari Cement, attended as a resource person for this program.



Design Thinking & Innovation

A workshop was organized on **Design Thinking and Idea Generation for Innovation** with collaboration of IIC & CSE (Data Science) on 10th March, 2026. **Dr. K Swetha Kumari**, Woman Scientist-A, Department of Biosciences & Sericulture, Sri Padmalaya Mahila Visvavidyalayam, Tirupati.

Patents

Dr. B Naga Kiran, published a Patent titled as **"AI POWERED SITE INSPECTION ROBOT."** application No. 492309-001 on 23rd February, 2026.

NPTEL Program

- **Mr. K Bharath Kumar** completed an Eight Week NPTEL-AICTE Faculty Development Programme on **"Digital Land Surveying and Mapping (DLS&M)"** during January - March, 2026.
- **Mr. K Bharath Kumar** completed Twelve Week NPTEL-AICTE Faculty Development Programme on **"Advanced Foundation Engineering"** during January - April, 2026.



DEPARTMENT OF CIVIL ENGINEERING

NPTEL Program (continued)

- **Dr. K. Venkateswarlu**, completed a Twelve Week **NPTEL-AICTE** Faculty Development Programme on **“Foundations of Deep Learning: Concepts and Applications”** from January to April, 2026.
- **Dr. K. Venkateswarlu**, completed a Twelve Week **NPTEL-AICTE** Faculty Development Programme on **“Deep Learning - IIT Ropar”** during January - April, 2026.

FDPs Attended

- **Dr. K. Naveena** and **Dr. G N Sreekanth**, participated in a Five Day online National Level Faculty Development Program on **“Sustainable Innovations in Civil Engineering: Pathways to Greener Future”** from 19th to 23rd January, 2026, organized by Annamacharya University, Rajampet.
- **Ms.T. Shanthala**, attended a Six Day AICTE Training & Learning (ATAL) Academy Edu Skills Faculty Development Program on **“AWS Cloud Solution Architect”** hosted by Dept. of CSE, RGM CET from 16th to 21st February, 2026.



DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Research Publications in International Journals

- **Upendra Rajak**, et al., published a paper entitled **“Enhancement of Compression Ignition Engine Performance Using Waste Plastic-Derived Fuel Blended with Nanoparticles: An Experimental and Regression Analysis”** in Fuel Processing Technology, Vol: 284, Article 108426, in February, 2026.
<https://doi.org/10.1016/j.fuproc.2026.108426> (SCI)
- **Rajammagari Hussain Valia**, et al., published a paper entitled **“Optimising Injection Strategies and EGR in Modified Piston Diesel Engines Fuelled with Waste Plastic Oil”** in Archives of Thermodynamics, Vol: 47, No. 1, pp. 89–100, in January, 2026.
<https://doi.org/10.24425/ather.2025.156857> (SCI)
- **Upendra Rajak**, et al., published a paper entitled **“Synergistic Analysis of Hydrogen-Enriched Diesel Combustion: An Integrated CFD and Experimental Method”** in International Journal of Hydrogen Energy, Vol: 230, Article 154825, on 30th April, 2026.
<https://doi.org/10.1016/j.ijhydene.2026.154825> (SCI)
- **B. Sidda Reddy**, et al., published a paper entitled **“Multi-class Classification of Brain Tumor Using a ResNet101 Backbone Integrated with Multi-scale Deformable**
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Research Publications (continued)

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- Attention Module and Advanced Data Augmentations**” in Scientific Reports, published on 03rd April, 2026. <https://doi.org/10.1038/s41598-026-45675-y> (SCI)
- **Manubolu Venugopal Naidu** published a paper entitled **“FPGA Implementation of a Fault-Tolerant Low-Latency Reversible ALU Using Hybrid Parity-Preserving IG–NFT Logic Gates in Verilog HDL”** in April, 2026. <https://doi.org/10.1109/IDCIoT67589.2026.11455728>
 - **B. Suresh** and **Upendra Rajak** published a paper entitled **“Enhancing Environmental Sustainability: ANN-Based Performance and Emissions Optimisation of a Diesel Engine Using Al₂O₃-Enhanced Waste Cooking Oil Biodiesel”** in International Journal of Chemical Reactor Engineering, pp. 1–17, in 2026. <https://doi.org/10.1515/ijcre-2026-0015> (SCI)
 - **Upendra Rajak**, published a paper entitled **“Investigation of Combustion and Emission of Ethanol Diesel Blended Fuel in Diesel Engine Using CFD”** in Journal of Thermal Analysis and Calorimetry, Vol: 151, pp. 1873–1893, in 2026. <https://doi.org/10.1007/s10973-025-15227-z> (SCI)
 - **K. Sudha Madhuri**, et al., published a paper entitled **“Application of Industrial Waste Materials as Energy Storage: A Comprehensive Review”** in Journal of Thermal Engineering, Vol: 12, Issue. 3, pp. 1066–1084, in 2026. <https://doi.org/10.47481/jten.0014> (ESCI)
 - **Madhuri Karad**, et al., published a paper entitled **“AI-Based Pollution Monitoring in Bio-Energy Production Chains: Methods, Applications, and Gaps”** in Applied Chemical Engineering, Vol: 9, Issue. 1, Article ACE-5848, in 2026. <https://doi.org/10.59429/ace.v9i1.5848> (Scopus)
 - **M. Bala Theja**, et al., published a paper entitled **“Additive Manufacturing of Polymer-Based Advanced Composites: Mechanical Properties and Performance Evaluation”** in the Journal of Polymer and Composite, Vol: 14, Special Issue. 02, pp. 1326–1335, in 2026. <https://journals.stmjournals.com/jopc/article=2026/view=246300/> (WOS)

FDP/ Seminar/ Workshop/ Attended

- **Mr. Y. Suresh Babu** attended a One Week Online Faculty Development Programme on **“Advancements in AI-ML-IoT Integration for Smart Mechanical Engineering Systems”** organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, NTR District, Andhra Pradesh, from 23rd to 27th February, 2026.

FDP / Seminar / Workshop Attended (continued)

- **Mr. M. Khaja Gulam Hussain** attended a Five Day Faculty Development Programme on **“Research Methodology and Advanced Material Technology (RMAMT-2026)”** organized by the Departments of Mechanical Engineering, Civil Engineering, Chemistry and Physics, Sai Vidya Institute of Technology, Bengaluru, from 27th to 31st January, 2026.
- **Dr. M Venugopal Naidu** completed a Twelve Week NPTEL–SWAYAM course on **“Artificial Intelligence: Knowledge Representation and Reasoning (AI)”** during January–April, 2026.
- **Mr. P. V. Jayasankar** attended a Six-day Online National Level Faculty Development Programme on **“Emerging Trends and Innovations in Mechanical Engineering”** organized by the Department of Mechanical Engineering, Angel Polytechnic, Vashi, from 27th to 30th January, 2026.
- **Dr. Manoj Panchal** and **Dr. R. Hussain Vali** attended a Six Day Online Faculty Development Programme on **“Battery Thermal Management System: Design, Optimization and ML Techniques”** organized by the Department of Mechanical Engineering, Maharaj Vijayaram Gajapati Raj College of Engineering, from 9th to 14th February, 2026.
- **Mr. G. V. Satyanarayana** attended a Two Week Online International Faculty Development Programme on **“AI-Assisted Robotics and Intelligent Automation for Sustainable Technology and Innovation”** organized by the Department of Robotics and Automation, Easwari Engineering College (Autonomous), Chennai, Tamil Nadu, India, from 30th January to 10th February, 2026.
- **Mr. Bana Veerendra, Mr. Y. Suresh Babu** and **Mr. M. Khaja Gulam Hussain** attended a Six Day Online National Faculty Development Programme on **“Generative & Agentic AI – Tools & Demos”** organized by the Department of Computer Science and Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT), technically co-sponsored by the IEEE Gujarat Section and partnered with Pantech Solutions (India) Pvt. Ltd., from 16th to 21st February, 2026.
- **Dr. Upendra Rajak** underwent a program titled as **“Innovation Ambassador (IA) Reskilling Training comprising 21 sessions (21 contact hours), conducted in online mode by the Ministry of Education's Innovation Cell (MoE's Innovation Cell) and AICTE”** during the IIC Calendar Year 2025–2026, on 7th February, 2026.
- **Dr. Syed Altaf Hussain** attended a One-Week Online Faculty Development Programme on **“Advancements in AI-ML-IoT Integration for Smart Mechanical Engineering Systems”** organized by the Department of Mechanical Engineering, Lakireddy Bali

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Reddy College of Engineering, Mylavaram, NTR District, Andhra Pradesh, from 23rd to 27th February, 2026.

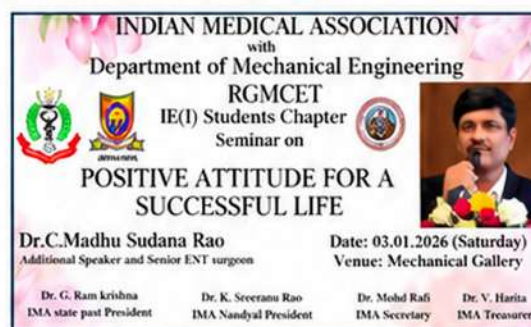
- **Dr. B. Sidda Reddy, Dr. B. Chinna Ankanna, Mr. T. John Babu and Mr. B. Dinesh Babu** participated in a training “**IP Awareness/Training Programme under the National Intellectual Property Awareness Mission (NIPAM)**” conducted at RGM College of Engineering and Technology, Nandyal, on 30th April, 2026.

Conference Papers

- **S. Uma, V. Padmapriya, S. Sumathi, N. Rajarajeswari, Y. Suresh Babu and Manoj Damodar Salunke** presented a paper entitled “**Deep Reinforcement Learning-Optimized Robotic Arm Control Method for Dynamic Tasks**” at the 2025 2nd International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF 2025), published in the IEEE Conference Proceedings.
<https://doi.org/10.1109/ICECONF65644.2025.11379410> (IEEE)
- **M. Kumar, Tirupati Yesuraju, D. Reddy, Pogula Sreedevi, D. Sravanthi and M. Naidu** presented a paper entitled “**Efficient Human Behavior Recognition Using a Multiscale CNN with Hybrid Learning Integration**” in the IEEE Conference Proceedings, published in IEEE Xplore, April, 2026, pp. 608–613.
<https://doi.org/10.1109/ICSADL67539.2026.11451972> (IEEE).
- **Kattubadi Raseed, S. Rambabu, Manubolu Naidu, C. Yadav and Bikkili Himabindu** presented a paper entitled “**FPGA Implementation of a Fault-Tolerant Low-Latency Reversible ALU Using Hybrid Parity-Preserving IG-NFT Logic Gates in Verilog HDL**” in the IEEE Conference Proceedings, published in IEEE Xplore, April, 2026, pp. 407–411.
<https://doi.org/10.1109/IDCIoT67589.2026.11455728> (IEEE).

Workshops/Conference/Seminars/Guest lectures Organized

A Seminar titled as **Positive Attitude on Successful life** was organised on 3rd January, 2026 under the Service to Community Club for II Year Mechanical Engineering students. The session was delivered by **Dr. C. Madhusudana Rao**, ENT Specialist, Nandyal.



A Seminar was organised for III B.Tech students on **Auto 4-Wheeler and Traffic Rules** in association with **APSSDC SIEMENS TSDI** on 4th February, 2026 at RGM CET. **Mr. P. V. Jayasankar** coordinated the programme. The coordinated discussed on four-wheeler operation, road safety, and traffic regulations, contributing to their technical knowledge and safe driving practices.

Activities & Achievements



Auto 4-Wheeler & Traffic Rules

A Programme titled as **Orthographic to Isometric Conversion in Solid Edge** was organised in collaboration with APSSDC-SIEMENS TSDI on 13th May, 2026 for IV B.Tech. **Mr. G. Pandu Ranga Swamy** coordinated the programme. The seminar provided the practical exposure on orthographic and isometric drawing conversion using Solid Edge software, enhancing their CAD skills and design proficiency.



The **XXIX National Level Technical Symposium, "RIPPLE-SANKALP-2K26,"** was conducted on 6th and 7th March, 2026 under the AME Club in association with the Sports and Cultural Club. The symposium was convened by **Dr. B. Sidda Reddy** and coordinated by **Dr. Manoj Panchal** and **Dr. R. Hussain Vali**. This symposium attracted 526 participants from RGM CET and 163 participants from other institutions.



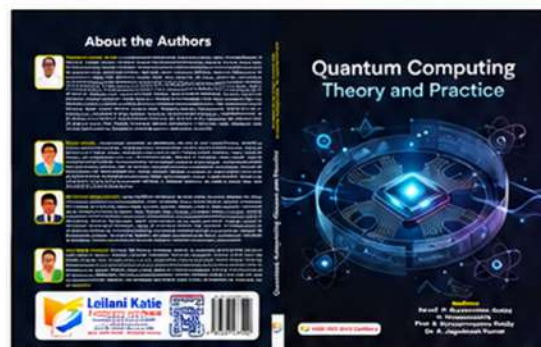
An Awareness Program on **Career Opportunities after B.Tech Course** program organised on 10th March, 2026 for II and III Year Mechanical Engineering students. **Dr. V. R. D. M. Kausik Agastyaraj**, GATE Faculty and **Mr. D. Jeevan Reddy**, Senior Marketing Executive, ACE Engineering Academy, Hyderabad delivered their sessions. The speakers highlighted the GATE preparation, competitive examinations, career planning and employment opportunities.

Patents

- Dr. M. Venugopal Naidu**, published a Design Patent, **"Solar Powered Agricultural E-Vehicle"** Application No. 6510372 on 16th March, 2026.

Books Publication

Dr. M. Venugopal Naidu, published a book entitled **“Quantum Computing Theory and Practice”** through Leilani Katie Publication and Press, ISBN: 978-93-6348-652-2, in May, 2026.



Department of Electrical & Electronics Engineering

Faculty Research Publications in International Journals

- **Dr. D. Lenine**, published an article titled as **“Efficient operation of Z-source integrated coupled inductor Cuk converter with optimised PI control for HRES microgrid environments”** in International Journal of Electronics, Vol:113(6), pp.1209–1241. <https://doi.org/10.1080/00207217.2025.2609314>. (SCIE)
- **Dr. V. Naga Bhaskar Reddy**, et al., published a research article entitled **“Modeling and Reliability Analysis of an Efficient Novel Bridge Type Multi-input DC Converter for Low Power Applications”** in Journal of Active and Passive Electronic Devices, Vol:20, pp. 109–128.

Conference Papers

- **Dr. D. Lenine, Mr. J Nagarjuna Reddy, Dr. J Surya Kumari, Mr. P Sesi Kiran and Mr. P Sampath Kumar** presented a conference paper entitled **“Design and Investigation of an Improved P&O algorithm for Maximum Power Point Tracking in Grid-Connected Photovoltaic Systems”** in IEEE 6th Global Conference for Advancement in Technology (GCAT), on 04th February, 2026.
- **Mr. R. Satish Kumar**, presented a paper entitled **“Enhanced Perturb and Observe MPPT with Power Stabilization for Efficient Grid-Connected PV Systems”** in IEEE 6th Global Conference for Advancement in Technology (GCAT), in 04th February, 2026.
- **Mr. T. Ashok Kumar**, presented a paper entitled **“Enhanced Perturb and Observe MPPT with Power Stabilization for Efficient Grid-Connected PV Systems”** in IEEE 6th Global Conference for Advancement in Technology (GCAT), in 04th February, 2026.
- **Dr. V. Narasimhulu**, presented a conference paper entitled **“Comparative Exploration of a Seven-Level Cascaded H-Bridge Shunt Active Power Filter using Diverse DC-Link Voltage Controllers”** in 4th IEEE International Conference on Electronics and Renewable Systems (ICEARS-2026), during 11th to 13th, February, 2026.



Department of Electrical & Electronics Engineering

Conference Papers (continued)

- **Dr. V Naga Bhaskar Reddy**, presented a paper on **“Temperature Dynamic Analysis of PEMFC Characteristics and Its Implications for MPPT”** in 4th IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IEEE IATMSI-2026) organized by IEEE MP Section and ABV-IIITM Gwalior, India from 12th to 14th March, 2026.
- **Mr. E. Narasimhulu**, a presented a paper entitled **“Design of a Self-Sustaining Street Lighting System Using Piezoelectric Footstep Energy”** in 14th International Conference on Contemporary Engineering and Technology ICCET 2026 during 22nd to 23rd March, 2026.
- **Dr. D.V.Ashok Kumar**, presented a conference paper entitled **“Ant Colony Optimization Based Intelligent Energy Management for HESS based DC Microgrids”** in 2026 International Conference on Smart Electronics Devices & Intelligent Systems (ICSREDIS 2026) during 13th to 15th April, 2026.
- **Mr. G. Kumaraswamy**, a presented a paper entitled **“Real-Time Sensor Drift Detection in IoT Edge Devices Using Lightweight Machine Learning”** in 12th International Conference on Communication and Signal Processing (ICCSP 2026) from 20th to 22nd April, 2026. The conference organised by Adhiparasakthi Engineering College, Tamil Nadu. DOI: 10.1109/ICCSP68173.2026.11539155
- **Mr. Y. Vijaya Suresh**, a presented paper entitled **“Data-Driven Prediction of Geothermal Power Generation Using Machine Learning Models”** in 5th International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence RAEEUCCI 2026 from 22nd to 24th April, 2026.

Workshops/FDPs Organized

A Six Day AICTE Training and Learning FDP was organised on **“Design and Practical Insights into Digital Controller-Based Islanding Detection for PV Grid Systems”** from 19th to 24th January, 2026. **Dr. N. Venkata Ramana Naik**, Associate Professor, NIT, Warangal, Telangana, **Dr. D. Raja**, Associate Professor, Sri Manakula Vinayagar Engineering College (Autonomous), Puducherry, **Dr. Vijayakumar**, Professor, IIITDM Kancheepuram, Tamil Nadu, **Dr. M. Kaliamoorthy**, Professor, Department of EEE, Dr. Mahalingam College of Engineering and Technology Pollachi, Coimbatore District, Tamil Nadu attended as speakers for this FDP. **Dr. J Surya Kumari**, and **Dr. D. Lenine**, coordinated the program.

Workshops & Industrial Visits



Electric Vehicle Workshop

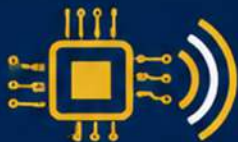
A Five Day Workshop was conducted on **“Hands-on Workshop on Model-Based Development of an Electric Vehicle”** from 23rd to 27th February 2026, for III B.Tech students of EEE. **Dr. B Gururaju**, Senior Control Engineer Software, AAM Autocomponent India Pvt. Ltd, Pune, Maharashtra, **Dr. B. Dastagiri Reddy**, Asst. Professor, NIT, Karnataka, **Dr. K. Jagadeesh**, Asst. Professor, GPREC, Kurnool, **Dr. V. Naga Bhaskar Reddy**, HOD of EEE, RGM CET, attended as resource persons for this program.



Industrial Visit

An Industrial Visit was organised to **Power Grid Corporation of India Ltd.**, Orvakal Power Plant on 9th March, 2026 for III and IV B.Tech students. Faculty members accompanied along with them. The visit helped the students to bridge the gap between theoretical knowledge and practical implementation of electrical power systems.





Faculty Research Publications in International Journals

- **Sayed Khasim Noorbasha**, et al., published a paper titled as **“Fault-Tolerant Single-Port Block RAM on Virtex-6 FPGA Using QCA Multiplexers and Efficient D Flip-Flops”** in IETE Journal of Research, pp.1-12, in January, 2026.
<https://doi.org/10.1080/03772063.2025.2611312>. (SCIE)
- **S. Kashif Hussain**, et al., published a paper titled as **“An Adaptive Security-Aware Image Encryption Model with Tamper Localization and Recovery Based on Compressive Sensing”** in International Journal of Software Engineering and Knowledge Engineering, Vol:7, pp. 1-36, in February. 2026.
<https://doi.org/10.1142/S0218194026500014> (SCIE)
- **Neravati Nagaraja Kumar**, et al., published a paper titled as **“An Ensemble CNN With Bayesian Learning Model for Multiclass Classification of Brain Disease Using Adaptive Refinement Network-Based Segmentation”** in Biomedicine, Vol: 38, Issue. 12, p. e70166, in December, 2025.
<https://doi.org/10.1002/nbm.70166>. (SCIE)
- **Sayed Khasim Noorbasha**, et al., published a paper titled as **“Skewness based discrete wavelet Transform and Swarm decomposition for the automatic elimination of ocular artifacts from EEG signals”** in Computer Methods in Biomechanics and Biomedical Engineering, pp. 1-14, 1 February, 2026.
<https://doi.org/10.1080/10255842.2026.2636254> (SCIE)
- **Dr. T. Jayachandra Prasad**, et al., published a paper titled as **“Optimized High Speed Design of Arithmetic BCD Block Utilizing Complementary MOS Process”** in Journal of Active and Passive Electronic Devices, Vol: 19, pp. 283–299. (ESCI)
- **M. Chennakesavulu**, et al., published a paper titled as **“Stretchable Elastomer–Phase Change Composites for Passive Thermal Management in Wearable Electronics”** in Journal of Polymer & Composites, Vol: 14, no.2, pp. 30–41, in 2026.
10.37591/JoPC. (ESCI)
- **Y. Madhusudhan Reddy**, et al., published a paper titled as **“Vennakandla Multi-Feature And Ensemble Learning for Whispered Speech Emotion Recognition”** Journal of Mechanics Of Continua And Mathematical Sciences, Vol: 21, No. 03, pp. 71-88, in March, 2026.
<https://doi.org/10.26782/jmcms.2026.03.00006> (SCOPUS)
- **M. Chennakesavulu**, et al., published a paper titled as **“Development of A Machine Learning-Based Security Module for Detecting Exploit-Type Attacks in IoT Networks”** in International Journal of Basic and Applied Sciences, Vol:14, No.3, in July, 2025. <https://doi.org/10.14419/6m5nbj91> (SCOPUS)

Conference Papers

1. **Billa Nazma**, et al., presented a paper titled as **“Cardiovascular Disease Prediction Using Fusion Feature-Driven Deep Learning”** in 2025 IEEE International Conference on Electrical, Electronics, and Computer Science with Advance Power Technologies-A Future Trends (ICE2CPT), pp. 1-6, in January, 2026.
<https://doi.org/10.1109/ICE2CPT66440.2025.11340284> (SCOPUS)
2. **N. Ramanjaneyulu**, et al., presented a paper titled as **“Adaptive Histogram Matching for Seamless Stitching in Multicamera Systems”** in International Conference on Intelligent Vision and Computing, Cham: Springer Nature Switzerland, pp. 507-519, in January, 2026. https://doi.org/10.1007/978-3-032-10667-4_40 (SCOPUS)
3. **R. Hanuma Naik**, et al., presented a paper titled as **“Design of 16T Based Low Power Full Adder and Ripple Carry Adder”** in International Conference on Computer Vision and Robotics, Cham: Springer Nature Switzerland, pp. 404-414, in January, 2026.
https://doi.org/10.1007/978-3-032-14041-8_32 (SCOPUS)
4. **Billa Nazma**, et.al., presented a paper titled as, **“A DL Framework to Remove Noises from ECG Signals using Cyclic GAN”** in 2025 IEEE 17th International Conference on Computational Intelligence and Communication Networks (CICN), pp. 265-270, in February, 2026. <https://doi.org/10.1109/CICN67655.2025.11368252> (SCOPUS)
5. **P. V. Gopi Krishna Rao**, et al., presented a paper titled as **“IoT Framework for Monitoring the Condition of Roads”** in Proceedings of the International Conference CISSCE-2K26, organised by Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous), Nandyal, Andhra Pradesh, in March, 2026.
ISBN: 978-81-978770-2-5 (SCOPUS)
6. **S. Govindarajulu**, et al., presented a paper titled as **“Improving performance of RF IC multilayer spiral inductor”** in AIP Conference Proceedings, Vol: 3376, no. 1, p. 030001, AIP Publishing LLC, in April, 2026. <https://doi.org/10.1063/5.0329175> (SCOPUS)
7. **P.V Gopi Krishna Rao**, et al., presented a paper titled as **“A Hybrid and Optimal Daubechies-Stationary Wavelet Transform-Based Multi-Modal Medical Image Fusion: A Bio-Inspired Approach”** in 2026 IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT), pp. 1-10, IEEE, 05, in May, 2026. (SCOPUS)
8. **J. Sofia Priya Dharshini**, et al., presented a paper titled as **“Implementation of A 16-Bit High-Resolution SAR ADC with Source Biasing for Low Power Sensing”** in IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT), pp. 1-6, IEEE, on 05 May, 2026. (SCOPUS)

- **Billa Nazma**, et al., presented a paper titled as **“Optimization of Parity Generator and Compressors for Data Communication Using Novel XOR/XNOR Circuits”** in IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT), pp. 1-7, IEEE, on 05th May, 2026. (SCOPUS)

Workshops Organized

A One Week Workshop was organized on **“Next-Era Embedded Systems for Engineering Minds”** from 2nd February to 7th February, 2026 for students. **Mr. B. Kishore Kumar**, professional embedded systems trainer and founder of Kernel Masters, Hyderabad, attended as a resource person.



A One Week Workshop was organized on **“VLSI Engineering: From RTL to GDSII”** from 9th to 14th February, 2026 for IV B.Tech students. **Mr. Mupparthi Venkatesh**, VLSI Design Engineer at KVR GLOBAL Solutions, Hyderabad, attended as a resource person.

A Five Day Workshop was organized on **“Entrepreneurship & Skill Development Programme (ESDP)”** from 23rd to 28th March, 2026 for students. The programme was conducted in collaboration with RTIH Ananthapuramu, APMSME Development Corporation, RAMP, Government of Andhra Pradesh, and the World Bank Group. **Dr. R. Hafeez Basha**, (CEO – RTIH ATP), **Mr. Rudhvik Dharamkar**, (Founder & CEO, Fleckor Digital), **Dr. P. Sravan Kumar**, (School of Management, JNTUA), **Dr. Pasuluri Bindu Swetha**, **Mr. Arun** (RTIH), **Mr. S. Naga Sheshaiah**, (RTIH ATP) and several distinguished experts from industry and academic areas attended as keynote speakers for this workshop.



Patents

- **P.V Gopi Krishna Rao**, et al., published a Patent titled as **“An integrated intelligent system and method for monitoring, optimizing, and controlling nutrient parameters in hydroponic cultivation environments”** Application No. 202641024413A, Journal No. 05/2026, published on 30th January, 2026.
- **Salendra Govindarajulu**, et al., published a Patent titled as **“An Intelligent Multi-Modal System for Early Prediction and Personalized Risk Management of**

Cardiovascular Diseases Using Machine Learning” Application No. 202521126573A, Journal No. 05/2026, published on 30th January, 2026.

- **M. Chennakesavulu**, et al., published a Patent titled as **“Wireless Control Unit for Industrial Robot”** with Design No. 461196-001, Serial No: 211857 on 04th June, 2025.



Department of Computer Science and Engineering

Faculty Research Publications in International Journals

- **Dr. Nalavala Ramanjaneya Reddy**, et al., published a research article in Scientific Reports, Springer Nature on **“Secure quantum-resilient smart city communication networks using QSC-Net with MF-MBO-based energy-aware task scheduling”**, Issue. 16, No 12534, pp. 1-36, in March, 2026. <https://doi.org/10.1038/s41598-026-41015-2> (SCIE)
- **Kunam Subba Reddy**, et al., published a research article on **“R2A-DSA: A Robust Resource Allocation Approach for Delay-Stringent Applications in IoT-Fog-Cloud Networks”**, Contemporary Mathematics, Universal Wiser Publisher, Vol:7, Issue. 1, pp. 529-551, in November, 2025.
DOI: <https://doi.org/10.37256/cm.7120268079> (ESCI)
- **Dr. N. Madhu Sudhana Reddy**, et al., published a paper on **“An enhanced framework for Parkinson’s disease severity prediction using improved optimization in multi-scale TCN”** in Computational Biology and Chemistry, Vol: 123, ISSN: 1476-9271, in March, 2026.
<https://doi.org/10.1016/j.compbiolchem.2026.109014> (SCIE)
- **Dr. R. Raja Kumar**, et al., published a research paper entitled **“Exploring Diverse Network Threats on Cyber-Physical Systems”** in Journal of Discrete Mathematical Sciences and Cryptography, ISSN: 2169-0065, on 09th July, 2025. DOI: 10.47974/JDMSC-2340, published online (ESCI)
- **Dr. M. Sravan Kumar Reddy**, et al., published a research paper on **“Optimising Financial Forecasting: The Power of Reduction Approach”** in Archives for Technical Sciences, ISSN: 1840-4855, Vol: 2, No.33, pp. 453–462, in September, 2025. <https://doi.org/10.70102/afts.2025.1833.453> (ESCI)
- **Prathap Nayudu Pothineni**, et al., published a paper on **“An Efficient Self-Attention Based Hybrid Deep Learning Model for Stock Prediction,”** in Concurrency and Computation: Practice and Experience, Vol:38, Issue.11 in June 2026. <https://doi.org/10.1002/cpe.70761> (SCIE)
- **Dr. M. Sravan Kumar Reddy**, et al., published a paper on **“Adaptive Pan-sharpening via Contourlet Decomposition and Anisotropic Diffusion for Multispectral-Panchromatic 2D signals”**, in Journal of Applied Science and

Technology (JASTT) No. SI*, Vol: 6, Issue. 05, pp. 135–160, in December, 2025.
Doi:10.38094/jastt605678 (Scopus)

- **K. Viswanath**, et al., published a paper on **“Enhancing Social Media Face Emotion Recognition Using a Fuzzy ELM Approach”** in Journal of Computer Science, Science Publication, ISSN: 1549-3636, in June, 2026. DOI: 10.3844/JCSSP.2026.1034.1044
- **Dr. K. Narasimhulu**, et al., published a paper on **“Two Stage Job Title Identification System for Online Job Advertisements”** in The International Journal of Latest Technology in Engineering, Management & Applied Science, ISSN: 2278-2540, in 2026. DOI: 10.51583/IJLTEMAS <https://www.ijltemas.in/>
- **Ms. K Lakshmi Rupa**, et al., published a paper entitled **“Ai Powered Traffic Violation Detection Using Yolo Models For Road Safety Monitoring”** in International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol:06, Issue.05, in May, 2026.

Conference Papers

- **Dr. K. Subba Reddy**, et al., published a paper on **“A Comprehensive Survey on Distributed Denial of Service Attack Detection in Cybersecurity”** in IEEE Asian Conference on Intelligent Technologies (ACOIT), in 2026. DOI: 10.1109/ACOIT66109.2025.11437362
- **Dr. M. Sravan Kumar Reddy**, et al., published a paper on **“An Improved Hybrid LinkNet-RNN Architecture for Intelligent Intrusion Detection in Cloud Computing”** in World Conference on Computational Science and Technology (WcCST), Gharuan, India, pp. 1-8, in 2026. DOI: 10.1109/WcCST67302.2026.11496316.
- **Dr. B. Rama Subbaiah**, et al., published a paper on **“An Integrated Machine Learning Model for Accurate Stroke Diagnosis Using CT Neuroimages”** in International Conference on Smart Electronic Devices and Intelligent Systems (ICSEDIS 2026), held on 13th & 15th April, 2026. The conference was organised by Royal College of Engineering and Technology, Thrissur. DOI: 10.1109/ICSEDIS68157.2026.11518183
- **Dr. N. Madhusudhan Reddy**, et al., published a paper on **“Advanced Generative Adversarial Network based Image Augmentation for Agricultural Applications using Convolutional Neural Networks”** in 5th International Conference on Sentiment Analysis and Deep Learning (ICSADL-2026), jointly organized by Learning (ICSADL 2026) and Mid-West University, Birendranagar, Nepal from 18th to 20th February, DOI: 10.1109/ICSADL67539.2026.11451786
- **Dr. K. Subba Reddy**, et al., published a paper on **“Real-Time Cloud VM Performance Prediction Using DTW and GRU Networks”** in 9th International

Conference on Inventive Computation, ISBN: 979-8-3315-6916-7, on 15th and 17th, April, 2026, (IEEE Conference) DOI: 10.1109/ICICT68280.2026.11511161

- **Dr P. Prathap Nayudu**, et al., published a paper on **“SHAP-Enhanced Intrusion Detection System Using LSTM, TCN & Random Forest”** in 9th International Conference on Intelligent Computing and Control Systems (ICICCS), Erode, from 16th to 18th March, 2026. DOI: 10.1109/ICICCS67901.2026.11502788 (SCOPUS)
- **Mr. C. Hrishikesava Reddy**, et al., published a paper on **“Small Vehicle Detection in Aerial Traffic Imagery using Advanced YOLO-Based Deep Learning Models”** in International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026) organized by Stamford international university, Bangkok, Thailand from 11th to 13th March, 2026. DOI: 10.1109/ICMLAS67792.2026.11483670
- **Viswanath Kurnool**, et al., published a paper on **“A Hybrid Ensemble Method for Accurate Software Defect Prediction”** in International Conference on Machine Learning and Autonomous Systems (ICMLAS), Bangkok, Thailand, in 2026. DOI: 10.1109/ICMLAS67792.2026.11483809
- **B. V. Chandra Sekhar**, et al., published a paper on **“An Explainable NASNet Architecture for Reliable Detection and Interpretation of Synthetic Images”** in International Conference on Inventive Computation Technologies (ICICT-2026) (IEEE Conference), organized by Tribhuvani University, Nepal from 15th to 17th April, 2026. DOI: 10.1109/ICICT68280.2026.11510786
- **P. Naveen Sundar Kumar**, et al., published a paper on **“Multimodal Sentiment Analysis for Healthcare”** in International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026) organized by Stanford International University, Bangkok, Thailand from 11th to 13th March, 2026. DOI: 10.1109/ICMLAS67792.2026.11483761
- **D. Sravanthi**, et al., published a paper on **“Explainable Multi-Feature Deep Learning Framework for Real-Time Counterfeit Currency Detection across Multi-Denomination Banknotes”** in 8th International Conference on Intelligent Sustainable Systems (ICISS 2026) (IEEE), Tirunelveli, India, in 2026. DOI: 10.1109/ICISS67859.2026.11454071
- **Mr. V. V. Nagendra Kumar**, et al., published a paper on **“Deep Learning Based Lung Nodule Classification with Explainable Feature Analysis”** in 12th International Conference on Communication and Signal Processing (ICCSP) Conference held on 20th & 21st April, 2026. The conference organized by Adhiparasakthi Engineering College, Melmaruvathur Chengalpattu, Tamilnadu. DOI: 10.1109/ICCSP68173.2026.11539587
- **S. Tahseen Banu**, et al., published a paper on **“Waveformer: Enhanced Android Malware Detection with Wavelet Transform”** in 4th International Conference on Knowledge Engineering and Communication Systems, held on 24th & 25th April,

2026. The conference was organised by SJC institute of technology, Chikkaballapur. Karnataka. DOI: 10.1109/ICKECS70176.2026.11528137

- **Dr. O. Sampath**, et al., published a paper on **“Machine Learning Approaches for Missing Meteorological Data Estimation in Nuclear Applications”** in International Conference Inventive Computation Technologies (ICICT-2026), organized by Thribuvan University, Nepal from 15th to 17th April, 2026, ISBN: 979-8-3315-6916-7. DOI: 10.1109/ICICT68280.2026.11511146
- **Dr. M. Ayyavaraiah**, et al., published a paper on **“Deep Learning–Driven Intelligent System for Early and Accurate Skin Cancer Diagnosis”** in IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT), in February, 2026. DOI: 10.1109/ICoECIT68303.2026.11497057
- **Suddamalla Subba Lakshmi**, et al., published a paper on **“Securing Wireless Sensor Networks Through Explainable Machine Learning–based Intrusion Detection”** in International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT-2026) (IEEE), in 2026.
- **Dr. Nagaraju Pacharla**, et al., published a paper on **“A Machine Learning Approach to Hypertension Prediction using Decision Tree Classifier”** in Second International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2026) organized by Surya Engineering College, Erode, Tamil Nadu, on 04th March, 2026. DOI: 10.1109/ICMSCI67830.2026.11469417
- **Mrs. S. Rubia Parveen**, et al., published a paper on **“A Two-Stage Intelligent Framework for Brain Tumor Detection Using Enhanced MRI Preprocessing and Deep Learning”** in World Conference on Computational Science and Technology (WcCST - 2026), organized by Department of Computer Science and Engineering, on 26th & 27th March, 2026 at Chandigarh University, Mohali, Punjab. DOI: 10.1109/WcCST67302.2026.11495904
- **Dr. K.Subba Reddy**, et al., published a paper on **“SigNeura: Signature Verification via Siamese-Transformer with Synth-Pressure Map Augmentation”** in 11th International Conference on Information and Communication Technology for Intelligent Systems, from 09th to 11th, April 2026, in Bangkok, Thailand.
- **Dr. B. Rama Subbaiah**, et al., published a paper on **“Real Time Emergency Monitoring System Using Ambient Sound”** in International Conference on Innovations in Emerging Technologies for Sustainable Development on 9th & 10th April, 2026. The conference was organised by the Kings College of Engineering, Thanjavur, Tamil Nadu.
- **Dr. N. Madhusudhana Reddy**, et al., published a paper on **“A Multilingual Text–Audio Framework for Cyberbullying Detection on Social Media Using Transformer Models”** in International Conference on Electronic Systems and Intelligent Computing (ICESIC - 2026), on 13th and 14th March, 2026. The program

was organized by the Department of Computer Science and Engineering, Vel.Tech, Rangarajan, Dr. Sagunthala R&D Institute of Science and Technology, Chennai.

- **Mr. M. Ravi Kumar**, et al., published a paper on **“Enhanced Emotion Recognition with FER+ and EfficientNetV2B1: A Class-Weighted Learning Approach”** in International Conference on Computing Theory and Wireless Communications (CCWC-2026), organized by D.K.T.E. Society’s Textile & Engineering Institute, Ichalkaranji, Kolhapur, Maharashtra.
- **Dr. P. Sreedevi**, et al., published a paper on **“Cloud-Enabled Smart Surveillance System for Real-Time Car and Fire Accident Detection”** in the 2nd International Conference on Smart Technology and Artificial Intelligence (STAI 2026), held at ACM Fremont Chapter, USA during 04th to 05th April, 2026.
- **Dr. K. Nageswara Reddy**, et al., published a paper on **“Intrusion Detection System for Smart Vehicles using Machine Learning Algorithms”** in International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026) organized by Stamford International University, Bangkok, Thailand from 11th to 13th March, 2026.
- **Mr. B. V. Chandra Sekhar**, et al., published a paper on **“Gynecological Disorder Detection: An Intelligent using Machine Learning Algorithm and NLP Technique”** in International Conference on Machine Learning and Autonomous Systems (ICMLAS 2026) organized by Stamford International University, Bangkok, Thailand from 11th to 13th March, 2026.
- **Mr. V. Ravikanth**, et al., published a paper on **“A Computer Vision Approach for Accurate Melanoma Segmentation Using NCC and DenseCRF Refinement”** at the International Conference on Artificial Intelligence for Climate Resilience, Green Innovation, and Sustainable Development (AI4GreenWorld 2026), organised by Jhulelal Institute of Technology, Nagpur, on 03rd April, 2026.
- **Mr. K. Viswanath**, et al., published a paper on **“Gynecological Disorder Detection”** in 3rd International Conference on Advances in Engineering and Medical Sciences, held on 17th & 18th April, 2026 at International School of Technology and Sciences for Women, Rajanagaram, Andhra Pradesh.
- **Dr. P. Prathap Nayudu**, et al., published a paper on **“Adaptive Sleep Disorder Prediction Using Wearable Sensor Data”** at the International Conference on Science, Engineering & Technology (ICSET) held in Kuala Lumpur, Malaysia during 01st to 02nd April, 2026.
- **Dr. N. Ramanjaneya Reddy**, et al., published a paper on **“An Ensemble-Based Approach for Malware Detection Using Encoded Features”** in International Conference on Computing Theory and Wireless Communications (ICTWC), organized by DKTE Society’s Textile and Engineering Institute, Ichalkaranji Maharashtra Section, from 01st to 2nd April, 2026.

- **Dr. G. Sunil Vijaya Kumar**, et al., published a paper on **“Intelligent Semantic Sentiment Modeling for High Precision Anomaly Detection in System Logs Using Deep Neural Networks”** at the 6th International Conference on Computer Networks and Inventive Communication technologies (ICCNCT-2026) on 04th February, 2026.
- **Kamarthi Jayasri**, et al., published a paper on **“Deep Learning-Driven Road Damage Detection Via UAV Imaging And Enhanced YOLO Frameworks”** in International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT-2026), ISBN: 979-8-3315-9019-2, on 04th February, 2026.
- **Dr. Sunil Vijaya Kumar Gaddam**, et al., published a paper on **“Ethereum-based Land Transaction Management with CNN2D-Powered Fraud Detection”** published in the proceedings of the 3rd IEEE International Conference on Machine Learning and Autonomous Systems (ICMLAS-2026) ISBN: 979-8-3315-7456-7, held at Stamford International University, Thailand, in March, 2026. (<https://icmlas.com/2026/>).

Workshops/Conference/Seminars/Guest lectures organized

A One Day Career Talk was organised on **From Lecture Hall to Launch Control** for III B. Tech students on 05th January, 2026. **Mr. Deepak Anand**, Senior Talent Acquisition Specialist & HR Systems Analyst, epam, at CSE Labs in association with EduSkills, shared his views.



A One Day Career Talk on **Stand Out with Skills & AI Tools!** was held for II B. Tech students on 21st January, 2026. **Mr. Rupam Jha**, Senior Associate- Employer Channel, Wadhvani Foundation, at CSE Labs in association with EduSkills, attended as resource person.



A One Day Career Talk on **Resume to Shortlist: How AI Impacts Your Job Search** was conducted, for III B. Tech students on 27th January, 2026. **Mr. Devaki Nandakumar**, Senior Human Resource Business Partner, ROYAL CYBER, at CSE Labs in association with EduSkills, attended as a Chief Guest.



A Two Day Workshop & Hackathon titled as **The Future is AI: Collaborate, Create, Innovate** was jointly organized by Department of Computer Science and Engineering (Data Science) and Vardhaman College of Engineering (Autonomous), Hyderabad from 21st to 22nd January, 2026 for students. **Dr. Sunil Vijaya Kumar Gaddam** and **Dr. P. Sreedevi** faculty members organised this program.



A Two Day Boot Camp was held on **Mastering Spring Boot for Enterprise Application Development from Secure Restful Apis to Micro Services** for III B. Tech students on 23rd & 24th January, 2026. **Dr. C. Ramakrishnaiah** and **Mr. K. Viswanath** faculty members organised the program.



A Technical Program titled as **24 Hours Hackathon** was organised from 27th to 28th February 2026 for students. **Mr. Mohammed Moinuddin**, Sr. Software Engineer, Currently working as Sr. SDE at Quantana Pvt. Ltd, Hyderabad, appeared as Judge for this event. Around 92 Batches (377 participants) taken part in this program.



A One Week Workshop on **Python with Generative AI** was organised for students of III B. Year from 19th to 25th February, 2026. **Mr. Adgaonker Shashank**, Corporate Trainer, Hyderabad. Dr. Sunil Vijaya Kumar Gaddam and Mr. P. Naveen Sundar Kumar, coordinated the program.



A One Day Workshop on **Microsoft Data Fundamentals** was organised for III Year students on 17th February, 2026. **Mr. Nitin Kamble**, Microsoft Certified Trainer, attended as a speaker, Mr. P. Naveen Sundar Kumar, coordinated the program.



A One Week Workshop on **AI Powered Fullstack & LLM Development** was held for III year students from 05th to 11th February, 2026. **Mr. Vikas Kumar**, Mentor & Co-Founder of Mentorly AI, Hyderabad, attended as resource person. Dr. O. Sampath Kumar and Mr. B. Rameswara Reddy attended as coordinators for this program.



A One Day Talk on **AI-Driven HR, Human-Led Impact** was conducted for students on 02nd February, 2026. **Mrs. Gayatri Sharma**, Head/GM of Human Resources, Data & Technology, Guardian Company at CSE Labs in association with EduSkills, attended as a speaker.



The Department of CSE and AICTE ATAL - EduSkills jointly was organized a Faculty Development Program (FDP) on **AWS Cloud Solution Architect** from 16th to 21st February, 2026. **Mr. Mitu Swain**, from Hyderabad, joined as resource person and Dr. M. Sravan Kumar Reddy, coordinated this program.



A One Day Guest Lecture on **Foundations to Cloud Excellence: Linux, Automation, Networking, AWS Scaling Strategies** was organised for students on 13th March, 2026. **Mr. Chakrala Vamsi Krishna**, Senior Associate Consultant, Cloud & Devops, Infosys, Bangalore, shared his views. Dr. P. Nagaraju, attended as coordinator for this event.



A One Day Career Talk was organised on **How to Build a Strong Career in the First 2 Years of Job (Performance + Networking + Growth)** for MCA students on 02nd March, 2026. **Mr. Jayashree Raman**, Vice President HR, India, Australia and Global HR Analytics, attended as a resource person.



A One Day Career Talk on **Introduction to Process Mining & AI in Process Intelligence** was organised for B. Tech students on 13th March 2026. **Mr. Sanchit Khanna**, Associate Director, Deloitte, Poornima Dhall, Lead Partner Manager, Academic Alliance - APAC, celonis, attended and shared his views in the program.



FDP/ Seminar/ Workshop/ Conference Attended

- **Dr. O. Sampath**, participated in a One-Week online Faculty Development Programme on **“Emerging Technologies in Data-Driven Artificial Intelligence”** from 06th to 11th January, 2026. The FDP was organised by Narsimha Reddy Engineering College (Autonomous), Hyderabad, in association with Computer Society of India (CSI) Hyderabad Chapter.
- **Dr. K. Subba Reddy**, attended a Six Day Online Faculty Development Programme on **“Augmented and Virtual Reality Technologies: Principles and Practical Implementation”**. The FDP was organised by Department of Electronics and Communication Engineering. CVR College of Engineering, Ranga Reddy (D) Telangana, from 19th to 24th January, 2026.
- **V. V. Nagendra Kumar, K Janardhan, K R Harinath, V Ravikanth and B Swetha**, participated in a Five Day Faculty Development Programme on **“AI Foundations and Intelligent Systems: Exploring Artificial Intelligence & Machine Learning”** jointly organized by the Department of Computer Science and Engineering, Santhiram Engineering College (Autonomous) and the Faculty Development Centre, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, Andhra Pradesh, from 06th to 10th January, 2026.
- **V. V. Nagendra Kumar**, attended a One Week Faculty Development Program on **“AI Agents in Action: Design, Decision-Making and Development”** organized by Dept. of CSE, KKR & KSR Institute of Technology and Sciences, Guntur, in association with Techno Future India, from 2nd to 7th February, 2026.
- **Dr K Nageswara Reddy, Dr M Sravan Kumar Reddy, Dr. Nalavala Ramanjaneya Reddy, Mrs. Rubia Parveen, K. Suresh Reddy, Shaik Rafi, Dr. C. Ramakristanaiah, P Prabhakar Rao and Mr. M. Ravi Kumar**, attended a Six Day Faculty Development Program on **“AICTE ATAL-EduSkills Faculty Development Program (FDP) on AWS Cloud”** which was organized by the Dept. of CSE, RGM CET and AICTE Training & Learning (ATAL) Academy - EduSkills, from 16th to 21st February, 2026.
- **Kamarthi Jayasri**, attended a One Day course titled as **“Computer Network & Internet Security”** on 23rd February, 2026, organized by Training and Assessment, Infosys Limited, Hyderabad.
- **Mr. K. R. Harinath and Mr. V. Ravi kanth**, attended a Five Day National Level Workshop on **“Generative AI: Building Ethical Intelligence for Responsible Future”** organised by PG Department of Computer Science, Kodyeri Balakrishnan Smaraka Govt. College, Thalassery with the sponsorship of the Directorate of Collegiate Education, Govt. of Kerala, held from 12th to 16th January, 2026.

- **Dr. C. Ramakristanaiah**, attended as a Resource Person for a Three Day National Level Technical Program titled as **“Advanced Digital Forensics and Enterprise Incident Response”**, at NIELIT Tirupati. The program was conducted in association with Indian Cyber Crime Coordination Centre (I4C), Ministry of Home Affairs, Government of India, from 23rd to 25th February, 2026. The participants were belongs the police department from various states.
- **Dr. Ayyavaraiah Monelli** and **Dr. N. Madhusudhan Reddy**, attended a Two Day seminar on **“2026 IEEE Contemporary Computing Innovations Conference- (CCIC 2026)”** from 06th to 07th February, 2026. The seminar was organised by Department of Data Science, School of Computing, Mohan Babu University, Tirupati.
- **Mr. M. Ravi Kumar**, attended a Five Day Faculty Development Program on **“GenAI & ChatGPT Applications”** organized by Vardhaman College of Engineering Hyderabad, Telangana, from 02nd to 06th March, 2026.
- **Mr. R. Sreehari Reddy** and **Mr. L. Bhavani Sankar**, attended a Five Day webinar on **“AICTE Incorporating Universal Human Values in Education,”** organized by AICTE from 9th to 13th March, 2026.
- **Dr. P. Nagaraju**, attended a Five Day Faculty Development Program (FDP) on **“Ethical AI and Responsible Computing”** organised by School of Computer Science and Engineering, VIT-AP University, Amaravati from 31st March to 04th April, 2026.
- **Mr. V. Uday Kumar and K Lakshmi Rupa**, completed a Four Day Faculty Development Programme on **“Advanced Generative AI and Context Engineering”** from 18th to 22nd May, 2026, coordinated by Informatics Research Labs. HYD.
- **Mr. Alabazar Ramesh**, attended a Faculty Development Programme on **“Deep Learning for Natural Language Processing”** from 12th January to 11th April, 2026, organised by IIT Kharagpur.

Books and Book Chapters Published

- **Dr. M. Ayyavaraiah**, et al., published a book titled as *“Cloud Computing: Concepts, Models, and Fundamentals”* through Book Bytes International, India publications, on March, 2026, ISBN: 978-81-69063-69-2.
- **Mr. Rameswara Reddy Boddu**, et al., published a book entitled *“Predictive Intelligence from Handwriting Kinematics for Early Detection of Neurocognitive Disorders”* on 04th April, 2026, with the Proceedings of SBS Book Series. (<https://stai2026.estindiafoundation.org/>)(ACM Fremont Chapter USA)

Patents

- **Dr. N. Madhusudhana Reddy**, published a Patent titled as **“ML-Enabled Behavioural Anomaly Detection System for Securing E Commerce Consumer Transactions”** Application No: 202541128206, in January, 2026.
- **M. Jayamma, Dr. B. Rama Subbaiah and P. Greeshma Reddy**, published a Indian Patent titled as **“Deep Learning Approach For Uav-Based Road Condition Monitoring”**, Application No: 202541106061, on 19th December, 2025.
- **Muddam Anusha, Syed Mohammed Nadeem, M. Shamabhanu Dr. Mulla Suleman Basha, Dr. B Rama Subbaiah, Dr. P V Gopi Krishna Rao and C Leelavathi** published a Indian Patent titled as **“Deep Learning-Based Multi-Disease Detection From X-Ray Images”** Application No: 202541106052, on 19th December, 2025.
- **Dr. R. Raja Kumar**, et al., published a Indian Patent titled as **“Smart Engineering Systems For Sustainable Infrastructure Development”**, Application No:202641046791 A, on 24th April, 2026.
- **B.V. Chandra Sekhar and Dr. Farooq Sunar Mahammad**, published a Indian Patent titled as **“Integrated Model For Ai-Generated Images Forensics Using Nasnet With Xai”** Application No: 202541106086, on 19th Dec, 2026.
- **Dr. G Sunil Vijaya Kumar**, published a Indian Patent titled as **“Ethereum Smart Contract for Secure Land Transactions with Deep Learning Anomaly Detection”**, Application No: 202541106074 A, in May, 2026.



DEPARTMENT OF AI ML

Faculty Research Publications in International Journals

- **Dr. G. Chakrapani**, published an article entitled **“Mechanistic neural operator framework for multi-objective optimization of Ti-6Al-4 V metal matrix composites”** in International Journal of Scientific Reports, in February, 2026. (SCIE)
- **Dr. J. Avinash**, published a research article titled as **“Prototype-based Implementation of AI for Enhanced Solar Photovoltaic Performance”** in IEEEExplore, in March, 2026. (Scopus)
- **Dr. G. Chakrapani**, published a research paper on as **“Enhancing Android Malware Detection Through Hybrid Feature Fusion, Deep Learning” and Explainable Ai (Xai)”** in the International Journal of Data Science and IoT Management System, Vol: 5, Issue. 2, in February, 2026.
- **Mr. P. Arun Babu**, published a research paper titled **“Hybrid Cnn-Vision Transformer Framework For Enhanced Lung Nodule Detection”** in the International Journal of Engineering Research and Science & Technology, Vol: 22, Issue. 2, in 2026.

- **Mr. V. P. Hara Gopal**, published a research article titled as **“Transfer Learning-Based Multi-Class Plant Disease Detection Using Mobilenetv2 And Efficientnet-B0”** in Journal of Soft Computing Paradigm, Vol: 8 Issue.3, pp.184-200, in March, 2026.



Conference Papers

- **Dr. J. Avinash**, presented a paper titled as **“Prototype-Based Implementation of AI for Enhanced Solar Photovoltaic Performance”** in the International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC 2026), from 19th to 21st January, 2026, organized by Shinawatra University, Thailand, in association with S.E.A. College of Engineering and Technology, Bengaluru, Karnataka, India.
- **Mr. V.P. Hara Gopal**, presented a paper titled as **“AI – Powered Chest X-Ray Analysis & Report Generation”** in the 6th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2026), from 25th to 26th March, 2026, organized by the Dept. of ECE, Velammal Institute of Technology, Chennai.
- **Dr. G. Kishor Kumar**, presented a paper titled as **“Human-Robot Interaction through Game Playing: A ROS-based Tic-Toc-Toe System using a Doosan Collaborative Robot”** in the 3rd International Conference on Advances in Engineering and Medical Sciences (AEMS), from 17th to 18th April, 2026, organized by Manipal University, Bangalore.
- **Mr. S. Kalim Peerulla Basha**, presented a paper titled as **“AI-Based Multimodal Mock Interview and Communication Skill Assessment System”** in the 6th International Conference on AI, 6G Communications and Network Technologies (ICA6NT 2026), from 25th to 26th March, 2026, in Chennai.
- **Mr. P. Arun Babu**, presented a paper titled as **“Fraud Detection in Banking Data by Machine Learning Techniques & Deep Learning”** in the 6th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2026), from 25th to 26th March, 2026, organized by the Dept. of ECE, Velammal Institute of Technology, Chennai.
- **Mr. N. Bala Kishore**, presented a paper entitled **“Multimodal Misinformation Detection in the 6th International Conference on Artificial Intelligence”** 6G Communications and Network Technologies (ICA6NT 2026), from 25th to 26th March, 2026, organized by the Dept. of ECE, Velammal Institute of Technology, Chennai.
- **Mrs. C. Leelavathi**, presented a paper titled as **“Smart Exam Malpractice Detection and Evidence Capture using YOLO”** in the 10th International Conference on Engineering Technology and Science (ICETS'26), on 28th March, 2026, organized by Muthayammal College of Engineering, Rasipuram, Namakkal District, Tamil Nadu, India.

- **Ms. B.V.S.N. Lakshmi**, presented a paper titled as **“Optimized Random Forest Model for Heart Disease Prediction Using Bayesian Techniques”** in the 6th International Conference on Artificial Intelligence, 6G Communications and Network Technologies (ICA6NT 2026), from 25th to 26th March, 2026, organized by the Dept. of ECE, Velammal Institute of Technology, Chennai.
- **Dr. G. Chandana Swathi**, presented a paper entitled as **“An Explainable and Robust Ensemble Learning Framework for Early Lung Cancer Detection in the INCON-SDG 2026: Advancing Sustainable Development Goals through Innovation, Technology, Health Sciences and Human Development”**, in jointly organized by Yenepoya (Deemed-to-Be-University), Bengaluru, and RSP Conference Hub, Coimbatore, Tamil Nadu, India, from 27th to 28th March, 2026.



Workshops/Conference/Seminars/Guest Lectures Organized

A Technical Session was held on **“Robotics Revolution: Opportunities and Future Job Demand”** on 7th February, 2026 for III and IV B.Tech students. **Mr. Lentin Joseph**, CEO/CTO of Runtime Robotics, Founder of RoboAcademy, Kerala attended as a speaker.

A Two Day Workshop was organised on **“Perception to Path Planning: SLAM and Navigation in ROS”** on 27th & 28th February, 2026 for III B.Tech students.

Mr. Aryan Jagushte, Founder & Robotics Engineer at Robotry, Pune attended as resource person.

A One Day Workshop titled as **DevOps and Cloud Engineering** was held on 6th March, 2026 for III B.Tech students. **Mr. T. Teja Sai**, Software Engineer, JP Morgan Chase & Co., Hyderabad attended as resource person.

A One Day Workshop on **Campus to Corporate: Employability Skills** on 7th March, 2026 was conducted for III B.Tech students. **Mr. M. Uday Bhanu**, Interview Mentor & Industry Trainer, Hyderabad attended as resource person.

A Two Day workshop on **“From Data to AI Insights: A Hands-on Power BI Workshop”** was held on 1st & 2nd April, 2026 for II. B Tech students. **Mr. Subrahmanyam Chandaluru**, CEO, UniFirst Robotics, Bengaluru attended as a speaker.



Workshops/Conference/Seminars/ Guest lectures Attended

- **Dr. G. Chandana Swathi, Mrs. B. V. N. S. Lakshmi, and Dr. Ch. Sri Lakshmi Prasanna**, attended a Five Day Faculty Development Programme (FDP) titled *“AI Foundations and Intelligent Systems: Exploring Artificial Intelligence & Machine Learning”* was jointly organized by the Dept. of CSE, Santhiram Engineering College (Autonomous) and Faculty Development Centre, Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu, from 06th to 10th January, 2026.
- **Dr. CH. Srilakshmi Prasanna**, participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Programme titled *“Robotic Operating System 2 (ROS 2) and Artificial Intelligence for Next-Generation Robotics”* organized by GSSS Institute of Engineering & Technology for Women, held from 05th to 10th January, 2026.
- **Mrs. B.V.S.N. Lakshmi and Mrs. K. Jabeen**, attended a Five-Day Webinar on *“Roadmap to India AI Future”*, an Official Pre-Summit Event of the India AI Impact Summit 2026, organized by Hindustan Institute of Technology and Science, Chennai, Tamil Nadu, from 02nd to 06th February, 2026.
- **Mrs. C. Leelavathi**, attended a Six Day AICTE ATAL-EduSkills Faculty Development Program (FDP) on *“AWS Cloud”*, organized by AICTE Training and Learning (ATAL) Academy in association with EduSkills and supported by AWS Academy, from 16th to 21st February, 2026.
- **Mr. P. Arun Babu**, participated in a One Day Online Faculty Development Program (FDP) on *“Quantum Machine Learning Concepts & Applications”*, organized by the Department of MCA, MEASI Institute of Information Technology, in association with Pencilblitz, on 18th February, 2026.
- **Mr. Shaik Kalim Peerulla Basha**, attended a Five Day Webinar *“Roadmap to India AI future”* an Official Pre-Summit Event of the India AI Impact Summit 2026, conducted from 2nd to 6th February, 2026 organized by Hindustan Institute of Technology and Science, Chennai, Tamilnadu.
- **Mr. V P Hara Gopal**, completed a One Day Professional Development Course on *“An Essential Guide to AI for Educators”* on 26th March, 2026.
- **Mr. N Bala Kishore**, participated in a One Week Faculty Development Program on *“Microsoft Power BI Data Analyst Associate”* conducted by ICT Academy in association with Microsoft, from 9th to 13th March, 2026 organised by Santhiram Engineering College, Nandyal.
- **Dr. J. Avinash, Mr. P. Arun Babu, and Mrs. K. Jabeen**, participated in Professional Development Course on *“An Essential Guide to AI for Educators”* from AI for Education on 26th March, 2026.

- **Ms. P. Supriya, Ms. E. Naveena** and **Ms. D. Saraswathi** participated in a One-Day FDP on *"Women Empowerment in STEM through AI"* organized by IIITDMK, Department of Computer Science and Engineering, Kurnool on 13th March, 2026.



Department of Cyber Security

Faculty Research Publications in International Journals

- **Dr. R. Kaviarasan**, et al., published a paper entitled **"Secure Vision: Real-Time Multimodal Cyber Deepfake Identification System"** in the Journal of International Journal of Engineering Research & Technology (Ijert) Vol: 15, Issue. 03, in March, 2026.
- **Dr. R. Kaviarasan**, et al., published a paper entitled **"Deep fake Video Detection using Deep Learning and Ant Colony Optimization"** in International Journal of Engineering Research & Technology (Ijert) Vol: 15, Issue.03, in March, 2026.
- **Mr. Muneiah Tellakula**, et al., published a paper on **"Machine Learning-Based Phishing URL Detection Using Lexical And Structural Features"** in the International Journal of Computer Applications, Foundation of Computer Science (FCS), NY, USA, Vol: 187, Issue.96, ISSN:0975-8887, in April, 2026. DOI: 10.5120/ijcaebeeb7bb333
- **Mr. S. Muzibuddin**, et al., published a paper on **"Enhancing Critical Infrastructure Security using USAD for Unsupervised Anomaly Detection"** in International Journal of Engineering Research & Technology (IJERT) Vol:15, Issue.03, in March, 2026.
- **Mr. Syed Muzibuddin**, et al., published a paper entitled **"Optimized Load balancing in Cloud Computing using (MCGEO Algorithm)"** in International Journal of Engineering Research & Technology (IJERT) Vol:15, Issue.03, in March, 2026.
- **Mr. S. Muzibuddin**, et al., published a paper on **"Explainable Machine Learning-Based Intrusion Detection System Using Random Forest and SHAP for Network Security"** in the International Journal of Engineering Research & Technology (IJERT) Vol: 15, Issue.03, in March, 2026.

Workshops/Conference/Seminars/Guest lectures organized



The department organized a One Day Guest Lecture on **Green Computing and Sustainable Technologies** for II, III & IV Year students on 20th February, 2026. **Mrs. Karishma Arora**, Dept. of AI, Galgotias College of Engineering and Technology, Uttar Pradesh, attended as a speaker.

A One Day Guest Lecture was organised on **Bridging the Gap: Key Research Areas in Cloud Security** on 06th January, 2026 for students. **Dr. P. Harikrishna**, Associate Professor, Dept. of AI&ML, Malla Reddy College of Engineering and Technology, Hyderabad attended as a resource person.

A One Day Guest Lecture was organised on **BPMN Basics with Camunda: Model & Run Your First Workflow** on 27th January, 2026 for students. **Dr. K. Kishore Anthuvan Sahayaraj**, Asst. Professor, Dept. of Computing Technologies, SRM Institute of Science and Technology, Kattankulathur Campus, Chengalpattu, Tamil Nadu, attended as a speaker.



A Six Day Workshop was organized on **Cyber Forensics and Cyber Crime** from 30th January to 04th February, 2026 for Cyber Security students. The training was conducted by SPARC Foundation, Hyderabad.

A One Day Guest Lecture was conducted on **Navigating the Manuscript Journey: From Idea to Publication** on 05th February, 2026 for students. **Dr. Terrance Frederick Fernandez**, Professor, Dept. of Information Security, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai attended as a speaker.

A One Day Guest Lecture was organised on **Human-Like Intelligence in Machines: A Deep Dive into AI and ML** for students on 13th February, 2026. **Mrs. P. Kanchanadevi**, Asst. Professor, Dept. of AI & DS, SMVE College (A), Puducherry, attended as a resource person.

A One Day Guest Lecture was organised on **The IoT Edge: Enhancing Smart Devices with Edge Computing** for students on 21st February, February, 2026. **Dr. S. Premkumar**, Assistant Professor, Department of CSE, Galgotias University, Uttar Pradesh attended as a speaker.



A One Day Guest Lecture was held on **“End-to-End NoSQL Solutions: A Hands-On Exploration of MongoDB and Cassandra”** on 21st February, 2026. **Dr. BS. Vidhyasagar** Associate Professor, Dept. CSE, Vel Tech University, Chennai, attended and shared his views.

The Department organized a Five Day workshop on **“Ethical Hacking and Cyber Security Workshop (Level-1)”** from 24th to 28th February, 2026 for students. The training was conducted by Supraja Technologies, Hyderabad.

The Department organized a Two Day Technical Event titled **“RIPPLE DEFEND-X”** from 09th to 10th March, 2026. The Principal, Dept. HOD, faculty and students attended for this event. The National Level Student Technical Symposium was organised on the event for technical paper presentation. Around 55 technical papers (abstracts) were presented by the students.



A One Day Guest Lecture was organised for students on **“Emerging Trends in Cyber Security: Protecting Digital Future”** on 12th March, 2026. **Dr. N. Praveena**, Associate Professor, Department of CSE, RMK Engineering College (Autonomous), Chennai, attended as a speaker for this event.



A One Day Guest Lecture was organised on **“Demystifying AI for Foundation of Automata”** on 18th March, 2026. **Dr. G. Balamurugan**, Associate Professor, Department of Computing Technologies, School of Computing, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Kattankulathur Campus, Tamil Nadu, attended as resource person.



Patent

- **Dr. D.Raghunath Kumar Babu**, published a Patent entitled **“IoT Based Device for Food Nutrition Quantity Checking”** Application No: 506909-001, on 16th June, 2026.



Books Published

- **Dr. R. Kaviarasan**, published the Book entitled **“Cyber Security Fundamentals: Principles, Threats, and Defenses”** through Indo-Continental Academic Publishers (IJERT), with ISBN:978-93-49091-49-8, in the month of April.
- **Dr.D.Raghunath Kumar Babu**, published the Book entitled **“Advanced Data Science and Big Data Analytics”** through Leilani Katie Publication & PRESS,with ISBN: 978-93-6348-091-9, in the month of May.



Department of Data Science

Faculty Research Publications in International Journals

- **Dr P Kiran Rao**, published a paper titled as **“AGENT-DIFF-X: A Consumer-Adaptive Agentic Framework for Efficient and Explainable 3D Breast Tumor Segmentation on Edge Devices”** in the International Journal of IEEE Transactions on Consumer Electronics, ISSN: 0098-3063, in April, 2026.
DOI: 10.1109/TCE.2026.3679956 (SCI)
- **Dr P Kiran Rao**, published a paper titled as **“PSO-FRL: A Hybrid Optimization and Adaptation Approach for Task Scheduling in Edge Enabled Sensor Networks”** in the Internet Technology Letter (SPECIAL ISSUE AI-Native Networking for Resource Constrained Edge or IoT) on 30th April, 2026.
DOI: <https://doi.org/10.1002/itl2.70298> (SCI)
- **Dr. M.Suleman Basha**, et al., published a paper titled as **“A Dual-Module Deep Learning Approach for Brain Tumor Detection Using MRI Image Enhancement”** in the international Journal of Fiddlehead, Vol:14 Issue. 4, ISSN: 0015-0630, pp:26-35, in 2026.
- **Shaik Mohammad Shakeer**, published a paper titled as **“DeepLeaf-X: Cross-Dataset Plant Disease Detection Using EfficientNet”** in the International Journal of International Journal for Research Trends and Innovation. ISSN: 2456-3315, Vol:11, Issue.4, pp. 2456-3315, in 2026. DOI: IJRTI2604256



Conference Papers

- **Dr. M. Suleman Basha**, presented a paper titled as **“Advanced UAV-based Road Damage Detection Using YOLOv5, YOLOv7, and YOLOv8: A Comparative Deep Learning Approach”** in 8th International Conference on Inventive Material Science and Applications (ICIMA-2026)-IEEE held on 13th and 15th May, 2026 at Muthayammal Engineering College, Rasipuram, Tamil Nadu, India. (Scopus)
- **Mr. Y.P.Srinath Reddy**, presented a paper entitled **“An Attribute Attention and Selection Model using CNN with ResNet for Person Re-Identification”** in International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC 2026) organised by Shinawatra University, Thailand in association with S. E. A College of Engineering and Technology, Bengaluru, from 19th to 21st January, 2026.
- **Dr. K.Sammunisa**, presented a research paper titled **“Deep Learning Framework for Autism Spectrum Disorder Detection: A CNN-based Comparative Analysis”** at the 5th International Conference on Sentiment Analysis and Deep Learning (ICSADL 2026), organized by Mid-West University, Nepal from 18th to 20th February, 2026.

- **Ms. A. Annapurna**, presented a paper entitled **“An Attribute Attention and Selection Model using CNN with ResNet for Person Re-Identification”** in the International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC 2026) organised by Shinawatra University, Thailand in association with S.E. A College of Engineering and Technology, Bengaluru, from 19th to 21st January, 2026.
- **Mr. Y. P. Srinath Reddy** presented a research paper titled **“Real-Time IoT-Based Driver Drowsiness and Seatbelt Detection”** at the International Conference on Intelligent Multidisciplinary Engineering Systems (ACMETECH-2K26), organized by Annamacharya Institute of Technology and Sciences, Tirupati, on 28th March, 2026.
- **Dr. P.Penchal Prasad** and **Mr. G.Vikram Chandra**, presented a paper titled as **“Handling Extreme Object Scale Variation for Helmet Compliance and License Plate Detection Using Attention-Enhanced YOLOv8”** in 02 International Conference on Intelligent Systems and Computational Networks on 05th April, 2026. (WoS)
- **Dr.K.Ranga Swamy** and **K.Rathi**, presented a paper titled as **“Brain Stroke Detection Using Hybrid CNN and Vision Transformer Model on CT Images”** in the International Conference of International Conference on Engineering Innovations for Sustainable Development ICEISD, organised by Chaitanya Bharathi Institute of Technology CBIT Proddatur, from 10th to 11 April, 2026. (Scopus)
- **Dr. M. Suleman Basha**, presented a paper titled as **“Multi-Horizon Energy Forecasting Using a Hybrid CNN-Bi LSTM-LSTM Deep Learning Framework”** in the International Conference of International Research Journal on Advanced Engineering Hub (IRJAEH) at Coimbatore, Tamil Nadu, on 04th April, 2026.
- **Dr. P.Penchal Prasad** and **Mr. G.Vikram Chandra**, presented a paper titled as **“Image Based Car Parking Space Detection Using Deep Learning”** in the National Conference of 2nd International Conference on Intelligent Systems and Computational Networks on 05th April, 2026. (WoS)
- **Dr. K.Rangaswamy**, presented a paper titled as **“Customer Credit Risk Prediction in Banking Using Ensemble Learning and Data Balancing Techniques”** in the International Conference of International Conference on Engineering Innovations for Sustainable Development at Hybrid Mode, from 10th to 11th April, 2026. (Scopus)
- **Y.P. Srinath Reddy**, presented a paper titled as **“Modeling Financial Fraud Using Graph Convolutional Networks on Synthetic Payment Data”** in the International Conference of International Conference on Engineering Innovations for Sustainable Development at Chaitanya Bharathi Institute of Technology (CBIT), Proddatur, from 10th to 11th April, 2026. (Scopus)

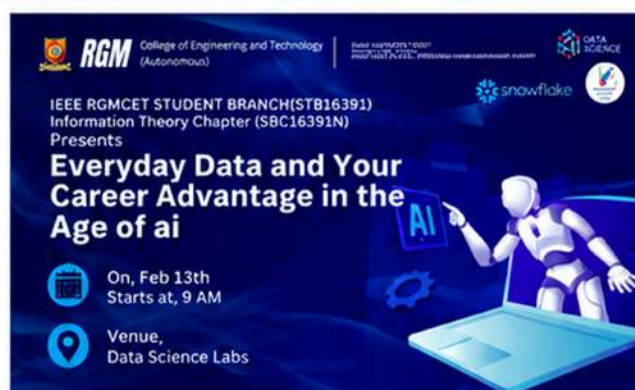
- **Dr. S.Karimulla Basha**, presented a paper titled as **“Brain Stroke Hazard Forecast Using Deep Learning on Imbalanced Clinical Data”** in the International Conference of International Conference on Recent Trends in Engineering Technology and Management 2026 at Suguna College of Engineering, Coimbatore, from 10th to 11th April, 2026. (Scopus)

FDP/ Seminar/ Workshop/ Conference Organized



A One Day Event was conducted on **Alumni Talk: Bridging Campus life to Corporate Success** in association with IEEE Information Theory Chapter (SBC16391N) on 09th February, 2026 for II & III B.Tech students. **Mr. Arun Kumar Kalangi**, Manager Projects @ Cognizant, attended as a speaker.

A One Day Guest Lecture was organised on **Everyday Data and Your career Advantage in the age of AI** in association with IEEE Information Theory Chapter (SBC16391N) on 13th February, 2026 for III B.Tech students. The session was delivered by **Mr. Dave Doan**, Technical Education Instructor, Snowflake, attended as a speaker.



The Department organised a One Day Guest Lecture on **Designing Scalable Databases:Normalization Strategies & Enterprise-Level JDBC Integration** in association with IIC on 19th February, 2026 for III B.Tech students. **Dr. Suresh Kallam**, Professor CSE-IOT,JAIN Deemed to be University, Bengaluru, attended as a resource person.

A One Day Guest Lecture was held on **The Evolution of Internet Network Applications and Services** on 10th February, 2026 for III B.Tech students. **Dr. Md.Sirajuddin**, Associate Professor,VIT-AP, attended as a speaker.





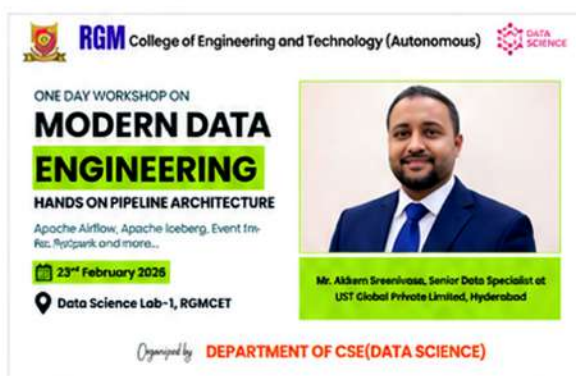
The Department was organised a One Day Guest Lecture on **Data Storytelling in the Age of GenAI** in association with IEEE Information Theory Chapter (SBC16391N) on 27th February, 2026 for III B.Tech students. **Mr. Travis Murphy**, Senior Product Marketing Manager and Evangelist, Snowflake, attended as a Guest.

A One Day Workshop was organised on **Practical NLP with Azure AI Language Services** in association with IEEE Information Theory Chapter (SBC16391N) on 18th February, 2026 for III B.Tech students. **Mr. Mohammad Azhar**, Subject Matter Expert, Hyderabad, attended as a resource person.



A One Day Workshop was organised on **React.js Development Mastery** on 06th February, 2026 for II & III B.Tech students. **Mr. M.Baji Rao**, Senior Technical Consultant, Corporate Trainer S.M.E, Chennai, graced the event.

A One Day Workshop was organised on **Modern Data Engineering Hands on Pipeline Architecture** on 23rd February, 2026 for II B.Tech students. The session was graced by **Mr. Akkem Sreenivasa**, Senior Data Specialist at UST Global Private Limited, Hyderabad.



An Interaction Session was conducted by **Dr. B.Bhaskara Rao**, Associate Professor and Head of the Department of CSE (DS) on **Elite Members Forum-An exclusive interaction with the Faculty Advisor** in association with IEEE Information Theory Chapter (SBC16391N) on 25th February, 2026 for IEEE Members.



Workshops/Conference/Seminars/Guest lectures Attended

- **Ms. R. Arshiya, Ms. C.Supraja** and **Mr. V.Jeevan Kumar** attended a One Week online Faculty Development Program on **“Emerging Technologies in Data-Driven Artificial Intelligence”** from 06th to 11th January, 2026. The FDP was organized by **Narasimha Reddy Engineering College (Autonomous), Hyderabad**, in association with **Computer Society of India**.
- **Mr. V. Jeevan Kumar** and **Ms. A Annapurna**, attended a One Week online FDP on **“AI Agents in Action: Design, Decision-Making and Development”** organized by **Dept. of CSE, KKR & KSR Institute of Technology and Sciences** in association with **Techno Future India**, from 02nd to 07th, February, 2026.
- **Mr. Y.P. Srinath Reddy** and **Mr. G.Vikram Chandra**, participated in a Five Day Professional Certificate Program titled as **“Snowflake Discover AI”** organized by **Snowflake Technologies, Hyderabad** from 2nd to 6th February, 2026.
- **Mr. Varada Jeevan Kumar**, participated in a Six Day Faculty Development Program on **“Artificial Intelligence and Machine Learning for Next Generation Engineering Applications”** conducted at **Rathinam Technical Campus, Coimbatore**, from 23rd to 28th February, 2026.
- **Dr. S. Karimulla Basha**, attended a One Week National Level Faculty Development Program on **“Python for AI, Data Science and Smart Solutions”** organized by the **University Institute of Emerging Technologies, Guru Nanak University, Hyderabad** from 03rd to 09th June, 2026.
- **Dr. K. Samunnisa** and **Dr. M.Sri Raghavendra**, attended a Three Week offline Faculty Development Program on **“INAE CEEE”** from 8th to 27th June, organised by **IIT Hyderabad, A.P.**
- **Ms. R. Arshiya** and **Ms. C.Supraja**, attended a Two Day workshop on **“The Future is AI: Collaborate, Create, Innovate”** from 21st to 22nd January, 2026 organized by **Vardhaman College of Engineering, Hyderabad**, in association with **Ministry of Electronics and Information Technology, Govt. of India**.
- **Dr. B. Bhaskara Rao**, attended a One Day **“AI Conference”** (Hyderabad Edition) held on 11th April, 2026 at **Tech Mahindra, Hitech City, Hyderabad**.

MOUs Signed

- An MoU was signed with **Microsoft AI Innovators Hub (Community Club)** on 18th April, 2026. This collaboration aims to promote AI innovation, skill development, and community-driven learning among students and faculty.
- An MoU was signed with **Reshapp Software Solutions Pvt. Ltd.** on 09th April, 2026. This collaboration focuses



on the development of Data Science and AI solutions along with mutual knowledge sharing.

- The students were selected for **Physical Internships** at Viswam AI, IIIT Hyderabad on 20th May, 2026. An MoU was signed on **Swecha Foundation** on the same occasion.

Department of Humanities & Sciences

Department of M B A

Faculty Research Publications in International Journals

- **Dr. Aliya Sultana**, published a paper titled as **“Digital Governance” and “Administrative efficiency: comparative study of e-government systems in emerging economies”**, Journal of Scientific Culture, ISSN: 2407-9529, Vol: 12, Issue. 5, on June, 2026.
- **Dr.S.Sowjanya**, published a paper titled as **“Role and Importance of Communication Skills for Engineering Students”**, in Hong Kong International Journal of Research Studies, Vol: 4, Issue. 1, on 01st May, 2026.

Conference Papers

- **Dr. Rajashekar**, presented a paper entitled **“A comprehensive benchmark for sarcasm detection in Hindi-English code-mixed tweets with novel combined loss and explainable AI”** in proceedings of the IEEE International Conference (IEEE). <https://doi.org/10.1109/IECCT68664.2026.11541598>
- **Ms.S.Haritha**, presented a paper titled as **“A study on impact of AI on human resource management practices with reference to IT sector”** in Hyderabad. AIP Conference Proceedings, 3418, 040014. <https://doi.org/10.1063/5.0341881>
- **Dr.Y.Mallikarjuna Achari**, presented a paper titled as **“Application of Transfer Learning techniques in Facial Recognition Systems”** in 2nd International Conference called as New Frontiers in Communication, Automation, Management and Security (ICCAMS) (scopus).
- **Dr. S. Sowjanya**, presented a paper titled as **“Work-Life Balance's Function as a Mediating Factor between Job Resources and Job Satisfaction: Perceptions from Mahabubnagar District Healthcare Workforce”** in IEEE International Conference on Technology and Management for Sustainable Development (ICTMSD-26) organized by Department of Management Studies, Sri Sairam Engineering College, Chennai, from 06th and 07th February, 2026.

FDP/ Seminar/ Workshop/ Conference Organized

A One Day Workshop was organised on **“CAD/CAM for CNC Programming and Machining”**, for students on 06th May, 2026. **Mr.P.V.Jaya Sankar**, Assist. Professor, Dept. of Mechanical Engineering, Hyderabad attended as resource person.



A One day Workshop was organised on **“Vision to Venture”** on 25th May, 2026. **Mr.U.Chandra Babu**, HR & Immigration Manager, Hyderabad shared his views in the workshop.

A Workshop titled as **“Two days Hands-on Workshop on Business Analytics Tableau and Power BI”** in association with CSE DS on 27th and 28th February, 2026. **Dr. A. Rakesh Phanindra**, IT Facilitator, IT & Analytics, IPE, Hyderabad, **Ms. K. Krishna Priya**, Director, Brillonia, Hyderabad, **Mr. Vishnuvardhan Rao**, IT & Business sector, Hyderabad attended as speakers.



Department of Mathematics

Faculty Research Publications in International Journals

- **P. Sreedevi** and **P. Sudarsana Reddy**, published a paper entitled **“Entropy Generation Analysis of Radiative Nanofluid Flow Inside a Permeable Chamber with Heat Generating Source”** in the World Journal of Engineering, on March, 2026. DOI: 10.1108/WJE-08-2025-0581 (Q3) (ESCI)
- **P. Sreedevi** and **P. Sudarsana Reddy**, published a paper entitled **“Heat and Mass Transfer Analysis of Thermally Radiative Nano-Encapsulated Phase Change Materials Inside a Porous Cavity with Exothermic Chemical Reaction”** in the Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, in April, 2026. DOI: 10.1177/23977914261443455 (Q2) (ESCI)
- **P. Sreedevi** and **P. Sudarsana Reddy**, published a paper entitled **“Unsteady Entropy Generation in Nanofluid Flow Inside a Square Cavity with Chemical Reaction, Radiation and Cattaneo–Christov Heat Flux”** in the International Journal of Numerical Methods for Heat & Fluid Flow, in February, 2026. DOI: 10.1108/HFF-11-2025-0861 (Q1) (ESCI)
- **P. Sreedevi** and **P. Sudarsana Reddy**, published a paper entitled **“Heat Transfer Analysis of Ternary Magnetic Nanofluid Flow Inside a Square Cavity with Thermal Radiation”** in Special Topics & Reviews in Porous Media: An International Journal, Vol: 17, Issue. 2, in May, 2026. DOI: 10.1615/SpecialTopicsRevPorousMedia.2025060110 (Q3) (ESCI)
- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Polynomial Regression Analysis on Electromagnetohydrodynamic Hybrid Nanofluid Flow Over a Rotating Disk: Applications in Next-Generation Thermal Systems”** in the South African Journal of Chemical Engineering, in February, 2026. DOI: 10.1016/j.sajce.2025.12.010 (Q1) (SCIE)
- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Neural Network Approach to MHD Micropolar Bioconvective Flow Under Hall and Thermal Radiation Effects in Porous Media”** in the International Communications in Heat and Mass Transfer, Vol. 172, Part 5, in June, 2026. DOI: 10.1016/j.icheatmasstransfer.2026.110599 (Q1) (SCIE Journal).
- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Analysis of Non-Newtonian Fluid with Thermal Radiation Due to Unsteady Plate”** in Discover Applied Sciences, in 2026. DOI: 10.1007/s42452-026-08454-y (Q2) (ESCI Journal)
- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Entropy Generation Analysis on MHD of Hybrid Nanofluid Flow Influenced by a Wedge and Plate with Different Methods: Solar Thermal Application”** in Proceedings of the National

Academy of Sciences, India Section A: Physical Sciences, in June, 2026. DOI: 10.1007/s40010-026-01019-z (Q1) (SCIE)

- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Deep Neural Networks Simulation for Analysing Rheological Characteristics of Ag+Au/Blood Casson-Williamson Hybrid Nanofluid Flow Over a Rotating Disk: An Application to Targeted Drug Delivery”** in the South African Journal of Chemical Engineering, in 2026. DOI: 10.1016/j.sajce.2026.100903 (Q1) (ESCI)
- **Gunisetty Ramasekhar**, et al., published a paper entitled **“Exploring Multiphase Flow and Heat Transfer with Al_2O_3 and CuO Nanoparticle Shapes Under Viscous Dissipation in MHD Dusty Hybrid Nanofluid Over a Porous Stretching and Shrinking Sheet”** in *ZAMM – Journal of Applied Mathematics and Mechanics*, in 2026. (Q2) (SCIE)
- **Y. Raja Obula Reddy**, et al., published a paper entitled **“Structural Phase Evolution with Multiferroic Properties of $\text{Sr}_2\text{Bi}_4\text{-Fe}_x\text{Ti}_5\text{O}_{18}$ Ceramics”** in *Physica B: Condensed Matter*, Vol: 730, in June, 2026. DOI: 10.1016/j.physb.2026.418438 (Q2) (SCIE)

Seminar Organized

- The Department organized a Five Day Seminar on **“From Equations to Innovations: Mathematics in Engineering”** from 27-02-2026 to 03-02-2026 for students. **Dr. G. Radhakrishnamacharya**, NIT Warangal and **Dr. K.M. Prasad**, GITAM University, Hyderabad attended as resource persons for this program.



FDP/ Seminar/ Workshop/ Conference Attended

- **Dr.K.V.Suryanarayana Rao**, **Dr P. Sreedevi**, **Dr. D. Dastagiri Babu**, **Dr P. Madhu Sravanthi**, **Dr. Gunisetty Ramasekhar**, **E.V. Raghava**, **Y. Akhila**, **N. Ravali** and **M. Jayanthi**, attended a Faculty Development Programme on **“Mathematical frontiers in**

Data science and Artificial intelligence” was organized by Hindustan Institute of Technology and Science (Deemed to be University), Chennai from 18th to 23rd May, 2026.

- **Dr. R. Chandra Sekhar Reddy** attended a Faculty Development Programme on **“Quantum Technology”** organized by MNIT Jaipur from 10th April, 2026 to 2nd May, 2026.
- **Dr. Y. Raja Obula Reddy** and **N. Ravali**, attended IP Awareness and Training Program under **“National Intellectual Property Awareness Mission”** organized by Intellectual Property Office, India on 8th April, 2026.
- **E.V. Raghava** and **N. Ravali**, attended a Faculty Development Programme on **“Emerging Trends in Mathematical Sciences and Applications”** organized by VELS, Chennai from 23rd March, 2026 to 7th April, 2026.
- **N. Ravali, Y. Akhila** and **M. Jayanthi**, attended a Faculty Development Programme on **“Essential Mathematical Tools for Machine Learning (EMTML - 2026)”** organized by Vasavi College of Engineering, Hyderabad from 5th to 9th January, 2026.

Award Received

Dr. K.V. Suryanarayana Rao, Professor, received International Teaching Award **“Strategic Leadership in Education Award”** on 24th January, 2026 by DevElet Technologies LLP, Hyderabad, on the occasion of the International Day of Education. (Certificate ID: DE2420261122).



Department of Physics

Faculty Research Publications in International Journals

- **Ravi Nirlakalla**, et al., published a research paper on **“Multi-dimensional synergy in RGO/Mg (OH)₂/CeO₂/TiO₂ nanocomposites for advanced supercapacitors with promising lithium storage capability”** in Journal of Power Sources (688) in May, 2026.
- **B. Chinna Jamalaiah**, et al., published a research paper entitled **“Intense green upconversion and temperature sensing properties of GdAl₃ (BO₃)₄: Er³⁺ and Er³⁺/Yb³⁺ phosphors”** in Journal of Luminescence, ISSN: 0022-2313, in June, 2026.
- **B. Chinna Jamalaiah**, et al., published a research paper titled as **“UV excited optical and temperature sensing properties of Sr₃Gd(PO₄)₃: Er³⁺ phosphors: Machine learning predicted colour perception”**, in Scientific Reports, in June, 2026.

- **Nayab Rasool Shaik**, et al., published a research paper on **“Structural Phase Evolution with Multiferroic Properties of $\text{Sr}_2\text{Bi}_{4-x}\text{Fe}_x\text{Ti}_5\text{O}_{18}$ Ceramics”**, in Physica B: Condensed Matter, in April, 2026.
- **Syed Farooq** and **Yeti Dana Rao**, et al., published a research paper entitled **“Machine Learning for Quantum dots Analysis: Bridging Data Driven Methods with Quantum Technology”**, International Journal of Drug Delivery Technology, Vol: 16, Issue. 54s, in May, 2026.(scopus)

FDP/ Seminar/ Workshop/ Conference Attended

- **Dr. R. Ravanamma**, attended a Six Day Long Term Training Programme (LTTP) on **“Generative and Agentic AI-A Research Perspective”**, from 23rd to 28th March, 2026. The program was organized by the Department of Information Science and Engineering. CMR. Institute of Technology, Bangalore.
- **Dr. N. Ravi**, attended a Twenty Days Faculty Development Programme (3-credits equivalent) on **“QT-06 Quantum Communication”** by Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, IIT Guwahati and IIITDM, Jabalpur from 05th to 31st January, 2026.
- **Dr. N. Ravi**, attended IP awareness/ Training Program under **“National Intellectual Property Awareness Mission”**, organized by Intellectual Property Office, India on April 30th, 2026.
- **Dr. V. B. Sreedhar**, attended an Innovation Ambassador (IA) training Program on **“Foundation level”** conducted by MoE’s Innovation Cell & AICTE during the IIC calendar year 2025-2026.
- **Dr. N. Ravi Chandra Raju**, attended Twenty Days Faculty Development Programme (3-credits equivalent) on **“QT-07 Quantum Sensing”** by Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, IIT Guwahati and IIITDM Jabalpur, from 06th to 28th February, 2026.
- **Dr. K. Venkata Krishnaiah**, attended Twenty Days Faculty Development Programme (3-credits equivalent) on **“QT-10 Solid State Physics for Quantum Technologies”** organised by Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, NIT Patna, from 08th to 30th March, 2026.
- **Dr. K. Venkata Krishnaiah**, attended Twenty Days Faculty Development Programme (3-credits equivalent) on **“QT-11 Quantum Optics”** by Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, IIT Guwahati, NIT Patna, from 05th to 29th June, 2026.
- **Dr. S. Farooq**, attended Twenty Days Faculty Development Programme (3-credits equivalent) on **“QT-10 Solid State Physics for Quantum Technologies”** by Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT Roorkee, NIT Patna, from 08th to 30th May, 2026.

Department of Chemistry

Faculty Research Publications in International Journals

- **Balakrishna Avula**, et al., published a research paper entitled **“Emerging computational tools and advanced technologies in chemical and medical research: applications in bioinformatics, drug discovery, and precision healthcare: A Review”**, in Journal of the Iranian Chemical Society, in March, 2026. <https://doi.org/10.1007/s13738-026-03481-3>
- **Balakrishna Avula**, et al., published a research article titled as **“New Phenone-Tetrazole Derivatives: Synthesis, Spectroscopic, Characterization, Crystallography, and DFT Insights”** in Journal of Molecular Structure, in June 2026. <https://doi.org/10.1016/j.molstruc.2026.145886>
- **Balakrishna Avula**, et al., published a research paper titled as **“BiOI-decorated g-C₃N₄ heterostructure photocatalyst for versatile environmental remediation in a column-type batch photoreactor under tunable conditions: Mechanistic insights, stability, reaction intermediates, and hazard profiling of the system”** in Journal of Water Process Engineering, in April, 2026. <https://doi.org/10.1016/j.jwpe.2025.109434>
- **Balakrishna Avula**, et al., published a research paper entitled **“Rare-Earth (Er³⁺) Modified ZnO Photocatalyst: Dual Action In Organic Dye Degradation Under UV/Solar Light And Microbial Suppression”** in Journal of Water Process Engineering, in July, 2026.
- **Raja Karreddula**, et al., published a research paper on **“Recent potential application of metal organic framework for environmental pollution and sensing in Discover Chemistry”**, in 2026. <https://doi.org/10.1007/s44371-026-00720-7>
- **Raja Karreddula**, et al., published a research paper titled as **“Pd-functionalized β -ketoenamine COF for efficient hydrogen sensing under ambient conditions in Materials Chemistry”** in Frontiers, Vol:10, Issue.2, pp. 291-307, in January, 2026.

Seminar/ Program/ Organised

The Department organized a Seminar for students on **“Circular Energy Economy: Role of H₂, CO₂ & NH₃ in Energy and Environment”** on 07th March, 2026. **Prof. G. Ranga Rao**, Department of Chemistry, IIT Madras attended as a resource person and shared his views on the topic.



Department of English

Faculty Research Publications in International Journals



The Department celebrated “**World Environment Day**” in association with NSS-1 and NSS-2 Units on 05th June, 2026. Dr. T. Jayachandra Prasad, Principal, Dr. Balakrishna Avula HOD of Chemistry, NSS Co-ordinators, faculty members and students taken part in this program.

- **Dr.Y.Suneetha**, published a paper on “**Role of Social Media (WhatsApp, Facebook, Instagram, etc.) in Empowering women**” in an International Journal of Research and Analitical Reviews (IJRAR) Vol:13, Issue.1, ISSN: 2348-1269, in February, 2026.
- **Dr. G. Kiran Kumar Reddy**, published an article entitled “**Panoramic History in Amitav Ghosh’s The River Of Smoke**”, in JOELL journal, ISSN:2349-9753, Vol:13, Issue. 1, in March, 2026. DOI: <https://doi.org/10.54513/JOELL.2026.13112>
- **Dr. C. Sankar Goud**, published a research paper titled as “**Diaspora, Memory, and Belonging in Postcolonial Narratives**” in the International Journal of English Literature and Social Sciences (IJELS) in June, 2026. DOI: [10.22161/ijels](https://doi.org/10.22161/ijels)
- **Dr. P. Kousar Basha and Dr.A.K. Gopi Krishna**, published a paper titled as “**Echoes of Tradition and Identity: A Comparative Study of Bangle Symbolism in Sarojini Naidu’s “The Bangle Sellers (1912) and T. Ramesh Reddy’s “Clay Bangles” (2020)”** in International Journal of Creative Research Thoughts (IJCRT), Vol:14, Issue. 5, in May, 2026.
- **Dr. G. Kiran Kumar Reddy and Dr.P. Kousar Basha** published an article entitled “**Historicity of an Essay and Critical Appreciation of Bacon and Lamb Essays: A study,**” in Research Journal of English Language and Literature (RJELAL), ISSN:2321-3108, Vol. 14, Issue 1, in January, 2026. DOI: [10.33329/rjelal.14.1.427](https://doi.org/10.33329/rjelal.14.1.427)
- **Dr. G. Kiran Kumar Reddy**, published an article entitled “**Role of Physical Wellness and Portrayal of Sports in Films: A Study**”, Jyanavi (Journal of Multidisciplinary subjects), ISSN: 3049-2882, Vol: 2, Issue. 2, April, 2026.
- **Dr. G. Kiran Kumar Reddy, S. Prashanthi and K. Santhosh Reddy**, published an article entitle “**O. Henry’s The Gift of Magi-Thematic Study**”, in Pune Research An International Journal in English, ISSN: 2454-3454, Vol: 12, Issue. 2, in April, 2026.

- **Dr. G. Kiran Kumar Reddy**, published an article entitled **“Representation of History in Indian English Fiction: A Critical Analysis”**, in Research Journal of English Language and Literature (RJELAL), ISSN:2321-3108, Vol:14, Issue. 2, in June, 2026. DOI: 10.33329/rjelal.14.2.207
- **Dr. G. Kiran Kumar Reddy**, published an article entitled **“Resemblance of societies in Ahmed Ali’s Twilight in Delhi and Achebe’s Things Fall Apart”**, in I manager’s Journal on Humanities & Social Sciences, Vol: 6, Issue. 1, in April, 2026. <https://doi.org/10.26634/jhss.6.1.950>

Conference Papers

- **Dr. P. Kousar Basha**, presented a paper entitled **“Digital storytelling in the semi urban Engineering Curriculum: A Pedagogical Framework”** in National Conference titled as Teaching English in Rural India: Issues, Innovations and Interventions, organized by Kuppam Degree College, Andhra Pradesh, from 05th to 06th January, 2026
- **Dr. C. Sankar Goud**, presented a paper entitled **“Language Preservation through Artificial Intelligence: Opportunities, Challenges, and Future Directions”** at the International Conference conducted by Gurunanak University, Hyderabad, from 31st July to 01st August, 2026. ISBN: 978-81-685441-9-2
- **Dr.Y.Suneetha**, presented a paper on **“The Intersection of Human and Machine: The Evolution and Implications of Artificial Intelligence in the Modern Era of English Language”** in an International Conference on Intelligence Methods and Advanced Computer Scientific Innovations, in January, 2026. (Scopus)

Book Chapters

- **Dr. Y. Suneetha**, et al., published a book chapter on **“Heroic Representation of Animals in Rudyard Kipling’s The Jungle Book”** in book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN:978-93-91860-19-6, Veda Publications, in June, 2026.
- **Dr. AK. Gopi Krishna**, et al., published a book chapter titled as **“Listening: A Communicative Approach”** in book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN: 978-93-91860-19-6, Veda Publications, in June, 2026.
- **Dr. C. Sankar Goud**, published a book chapter titled **“Teaching and Usage of Digital Tools in the Classroom”** in book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN: 978-93-91860-19-6, Veda Publications, in June, 2026.

- **Dr. G. Kiran Kumar Reddy**, et al., published a book chapter on **“Servant Approach for the Modern Classroom”**, in book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN: 978-93-91860-19-6, Veda Publications, in June, 2026.
- **Dr. P. Kousar Basha**, et al., published a book chapter on **“Deductive Reasoning and Detective Methodology in The Moonstone: A Study of Logic, Observation, and Narrative Investigation”** in book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN: 978-93-91860-19-6, Veda Publications, in June, 2026.
- **Dr. G. Kiran Kumar Reddy**, published a book chapter entitled **“Quest for identity in Australian Poetry”** in the book Neo Colonialism, Chapter 79 Routledge Publication, in February, 2026. (Scopus).
- **Mrs. M. Aparna**, et al., published a book chapter on **“Enhancing Interpersonal Communication Skills in Engineering Students: A Theoretical Approach”** in the book titled as Advanced Research Trends in Literature, ELT & Soft Skills-2026, Vol:1, ISBN: 978-93-91860-19-6, Veda Publications, in June, 2026.

Workshops/Conference/Seminars/Guest lectures Attended

- **Dr. C. Sankar Goud**, participated in a One Day Faculty Development Programme (FDP) on **“Enriching Communication and Soft Skills Using AI Tools,”** organized by the Department of English (Humanities & Sciences), St. Johns College of Engineering & Technology (Autonomous), Yemmiganur, Andhra Pradesh, on 27th June, 2026.
- **Dr. C. Sankar Goud**, attended a Five Day Online Faculty Development Program on **“Reimagining English Language Teaching – Digital Innovation, AI and Future-Ready Practices”**, organized by the Department of Humanities & Sciences (English), VJIT, from 6th to 10th July, 2026.

Book Publication (Book Chapters Volume)

- The Department initiated the Book Publication Book Chapter Volume as **Advanced Research Trends in Literature, ELT & Soft Skills**, Vol: 1 published in June, 2026, with ISBN: 978-93-91860-19-6. A total of 26 chapters published by from various authors. Dr. A. K. Gopi Krishna and Dr. G. Kiran Kumar Reddy, Asst. Professors are editors for this book chapter. Principal Dr. T. Jayachandra Prasad, Prof. K. Sathyanarayan, C E, Prof. Y. Suneetha, Dr. P. Kousar Basha, HOD. Dr. AK. Gopi Kirshna, and Dr. G. Kiran Kumar Reddy, launched the book.

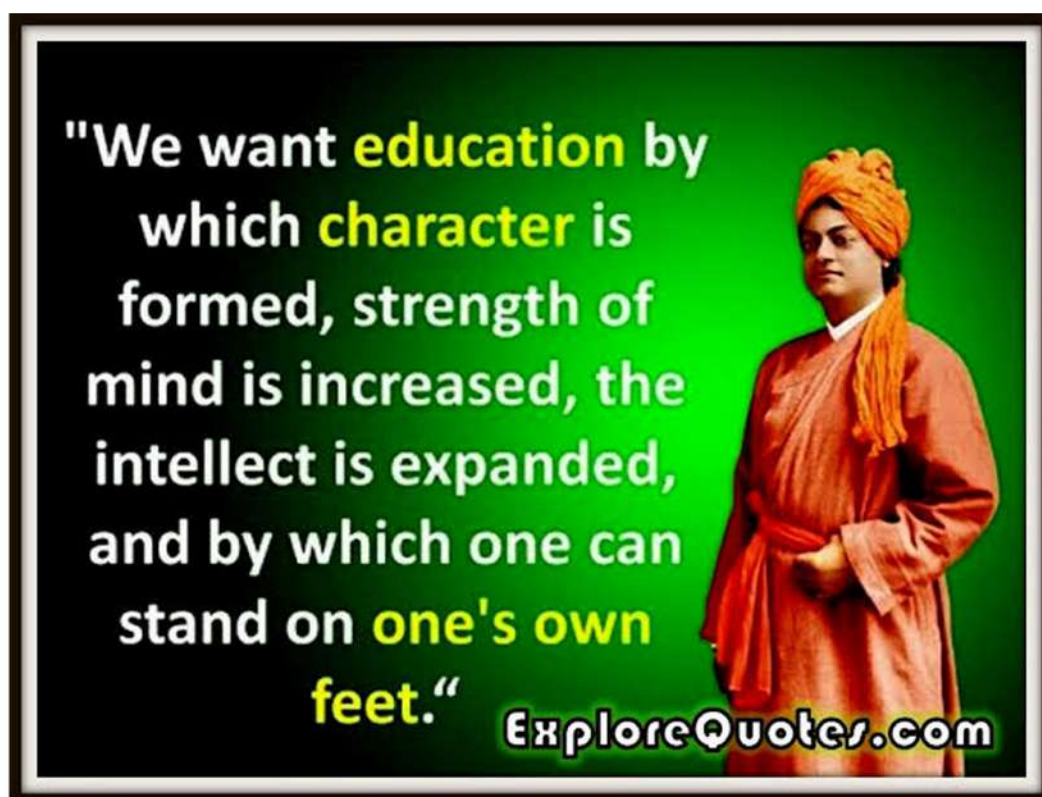


Awards Received

- **Dr. C. Sankar Goud**, received an award **Prestigious Indian Literature Award** by Indian Literature & Arts Society on 19th June, 2026. (Regd. by Govt. of India Certificate No: ILA 1320620226)
- **Dr. P. Kousar Basha**, received Journal Review Certificate called as “**Reviewer for Journal of Global Research in Education and Social Science**” in June 2026. (Certified with No: PRJOGRESS/14661P.K)

Patent

- **Dr. P. Kousar Basha**, published a Indian Patent titled as “**AI- Enhanced Daily Pronunciation Mastery Protocol (DPM System)**” Application No: 20264103662 A, 10th April, 2026.



Glimpses of Inter Collegiate JNTUA Games Meet 2025-26 @ RGM CET





Cultural Events @ Inter Collegiate JNTUA Games

