

DR. M.S. RAMAIAH



RAMAIAH
Institute of Technology

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Sampige

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A quarterly News Bulletin

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From the Editorial Board

Greetings,



It gives me immense pleasure to connect with all our esteemed readers of Sampige, the quarterly news bulletin of Ramaiah Institute of Technology. This publication serves as a vital platform to keep the college community and the larger public informed about the latest developments, events, and achievements of our institution.

I am delighted to share that we continue to organize a variety of meaningful academic activities. Every effort has been made to collect and present comprehensive updates from each department, highlighting their accomplishments and

initiatives. We remain committed to ensuring that Sampige continues to be an effective and engaging communication tool.

I would like to express my sincere appreciation to all our faculty and staff for their valuable contributions toward making this bulletin informative and impactful.

As always, Sampige welcomes your suggestions and feedback to help us serve you better.

With best wishes

Dr. N. V. R. Naidu

Friends,



It gives us immense pleasure, joy, and satisfaction to present this issue of Sampige, the quarterly news bulletin of the Ramaiah Institute of Technology for the year 2025.

This edition highlights the significant achievements of our faculty and students, reflecting the vibrant academic and co-curricular life of our institution. The Editorial Board extends its heartfelt gratitude to all the Heads of Departments and Section Heads for their valuable contributions in bringing this issue to life.

The continued success of Sampige depends on your encouragement and feedback. We warmly welcome your suggestions for improving future editions and look forward to your continued support in the upcoming issues.

With best wishes

Dr. Nagaraju Kottam

RAMAIAH INSTITUTE OF TECHNOLOGY

VISION OF THE INSTITUTE

To be an Institution of International Eminence, renowned for imparting quality technical education, cutting edge research and innovation to meet global socio-economic needs.

MISSION OF THE INSTITUTE

RIT shall meet the global socio-economic needs through

1. Imparting quality technical education by nurturing a conducive learning environment through continuous improvement and customization.
2. Establishing research clusters in emerging areas in collaboration with globally reputed organizations.
3. Establishing innovative skills development, techno-entrepreneurial activities and consultancy for socio-economic needs.

QUALITY POLICY

We at Ramaiah Institute of Technology, strive to deliver comprehensive, continually enhanced, global quality technical and management education through an established Quality Management System complemented by the synergistic interaction of the stakeholders concerned.

RANKED

#75

*Among 1584 Reputed
Engineering Institutes
in India*

#31

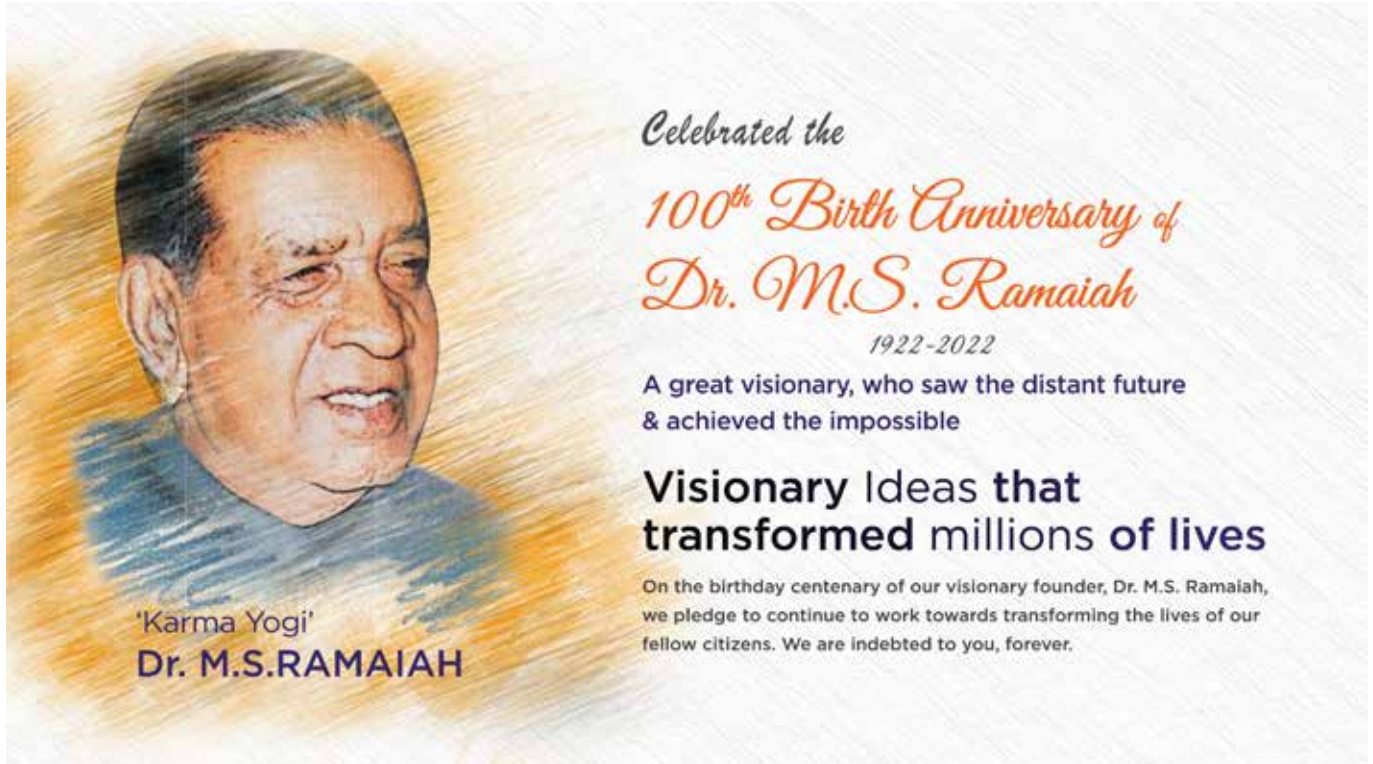
*Among 131 Reputed
Schools of Architecture
in India*



- As per National Institutional Ranking Framework, MoE, Govt. of India. 2025

Dr. M.S. Ramaiah (1922 - 1997)

Founder Chairman, Gokula Education Foundation



We offer our humble tributes to our venerable founder Chairman late Dr. M S Ramaiah, a renowned philanthropist, educationist and visionary who Established the Gokula Education Foundation in 1962 and M S Ramaiah Institute of Technology (MSRIT) was started in the same year envisioning the need for quality technical education towards taking India ahead.

MSRIT has celebrated the centenary birth anniversary of founder chairman Dr. M S Ramaiah and Diamond Jubilee year of M S Ramaiah Institute of Technology (MSRIT) during 2022-23. At this juncture, we at MSRIT reiterate our commitment to creating world-class technical professionals who strongly reflect the universal human values of integrity, honesty, and character as they go on to contribute to the nation and the world at large.

MILANA-2025

- The Annual Alumni Meet of Ramaiah Institute of Technology (RIT) – Milana 2025 was held on November 14, 2025, at The Hotel Shangri-La, Bengaluru. The event commenced with a cultural programme featuring solo and group songs performed by RIT students from 5:00 pm to 6:00 pm. This was followed by a special performance by Dr. Anish Vidhya Shankar, the Walking Violinist, who enthralled the audience from 6:00 pm to 7:00 pm. A video showcasing the activities and achievements of RIT and the RIT Alumni Association, along with a video message from former Principal Prof. Y. A. Prahalad Rao, was also screened.
- The formal programme began with a welcome address by Dr. N. V. R. Naidu, Rector, RITAA, who presented a brief overview of the institute's accomplishments and the initiatives of the alumni association. He warmly welcomed the gathering. The dignitaries then lit the inaugural lamp, marking the official commencement of the event.
- Distinguished alumni Dr. Yashwanth Bhupal, a visionary leader in education and social development; Sri Nadir H. Khambatta, a corporate leader in the electrical and cable industry; Sri Hemanshu Desai, a global entrepreneur and industry innovator; and Dr. Amirtham Rajgopal, a leading researcher in structural engineering, were honoured and felicitated as Distinguished Alumni of the institute. The awardees shared their fond memories and experiences at RIT with the audience.
- Sri M. R. Kodandaram, Director, RIT, assured continued management support for alumni initiatives and encouraged alumni to actively engage with the institute through internships, placements, mentorships, and other collaborative efforts.
- Sri Jasbir Singh, Vice President of the RIT Alumni Association, urged alumni to stay connected with the association and contribute through research collaborations, project grants, and other academic initiatives. Sri Aravind M. T., CEO, Ramaiah Evolute, presented a brief report on the organisation's efforts in fostering entrepreneurship and supporting start-ups, highlighting opportunities for alumni to collaborate or seek support through partnerships.
- Dr. Sreenivasa Ramanujam, Dean – Training and Placement, RIT, provided insights into current placement activities and emphasized the need for alumni support in internships and placements. In his presidential address, Sri Tallam Venkatesh stated that the association continues to undertake several initiatives for the benefit of students and encouraged alumni to contribute in all possible ways. He reiterated the importance of financial contributions and CSR funding to further strengthen the alumni association.
- The programme concluded with a vote of thanks proposed by Mr. Kannan, Secretary, who expressed gratitude to the management, Sri Tallam Venkatesh, dignitaries, executive committee members, and alumni for their support and participation, making the event a memorable one.
- The Annual Alumni Meet concluded with dinner and cocktails at 10:30 pm.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Publications in (National / International) Journals

Faculty

- **Dawnee Soman, Victor George**, R. Nishanth Sai, Akshat Gupta, Aviral Agarwal, Shripad Kini – 'Acoustic Fire Extinguishing Module for an Unmanned Vehicle', Cogent Engineering, Vol. 12 No. 1, (2025), pp 1-12.
- **Dawnee Soman, Victor George**, Divya Rashi B, Chandan R, Sanskar Jain – 'Non Invasive Detection System for Hypoglycemia and Silent Heart Attack in Diabetes Patients', Systems Science and Control Engineering, Vol. 13 No. 1, (2025), pp 1-17.
- **Dawnee Soman, Victor George**, Ashita Victor, Archana G Nathu, Ayman Habib, Devanshi Parashar – 'Modelling and Simulation of a Robotic Manipulator with Six Degrees of Freedom Attitude and Orbit Control for Space', Systems Science and Control Engineering, Vol. 13 No. 1, (2025), pp 1-19.
- A. S. Niveditha, **R. Subha**, M. Selvadass – 'AI-Based Fashion Recommendations Aligned with Current Trends from Sketch to Style', SN Computer Science, Vol. 7, (2025), pp 1-11.
- Akash Gutta, **Sridhar S**, Nishanth M, Yathwik A Shetty, Dhanamjayulu C, Arun Kumar G, Innocent Kamwa – 'A security-centric SCADA framework for wind energy systems using enhanced network segmentation and rogue traffic visualization', Results in Engineering, Vol. 29, (2025), pp 1-14.

Paper presentation in National / International Conferences

Faculty:

- R. S. G, K. Devi P, **N. K. Kumar**, P. Dinkar Moyya, T. M. Amirthalakshmi and A. Arjun V – 'Sensor Data Modelling for Anomaly Detection in Aquatic Environments', International Conference on Modern Sustainable Systems (CMSS) 2025, Shah Alam, Malaysia, 12th – 14th August 2025.
- **Neelamsetti Kiran Kumar**, Priscilla Dinkar Moyya, Rahul S G, Anant Singhal, Rishab Bhatia,

Mallika Manish Rajpal – 'Ensemble Learning Approaches for Diabetes Prediction: A Performance Analysis', Innovations in Power and Advanced Computing Technologies (i-PACT) 2025, Surabaya, Indonesia, 25th – 26th September 2025.

Guest Lecture/s Invited

- **Mr. Aniruddha Shirahatti**, Advanced Technical Manager, Aptiv, Bangalore – Delivered a lecture on the topic 'Industry readiness for Electrical and Electronics Engineers', on 27-11-2025.
- **Dr. Kiran Bathala**, Lead Engineer, Bosch Global Software Technologies Pvt. Ltd, Bengaluru – Delivered a lecture on the topic 'Celebrating Energy Conservation Day - Role of Power Electronics in Energy Conservation', on 12-12-2025.

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students

- Anushka Singh, 4th semester representing Ramaiah Institute of Technology has secured second position in the annual sports event 'Basketball Women' held at CMR Institute of Technology, Bengaluru on 15-11-2025.
- Anushka Singh, 4th semester representing Ramaiah Institute of Technology has secured runner up in the Inter Collegiate tournament 'Basketball Women' held at Global Academy of Technology, Bengaluru from 11-11-2025 to 12-11-2025.
- Anushka Singh, 4th semester representing Ramaiah Institute of Technology has secured winner in the Inter Collegiate State Level tournament 'Basketball Women' held at Global Academy of Technology, Bengaluru from 13-11-2025 to 14-11-2025.

Patents

- **Dr. Dawnee Soman**, Rehabilitative Knee Therapy Device, 202541087850, 28/11/2025 (Published).
- **Dr. Dawnee Soman**, A spherical Robot System, 202541089647, 28/11/2025 (Published).
- **Dr. Dawnee Soman**, An Onion Harvesting and Sorting Device and a Method Thereoff, 202541022919 A, 28/11/2025 (Published).
- **Dr. Dawnee Soman**, Multifunctional Self Balancing Cane, 202541041045, 28/11/2025 (Published).

- **Ms. Mamatha GM**, Sustainable Polymer Composite for Electromagnetic Interference (Emi) Shielding and a Process for its Preparation, 202541100375, 28/11/2025 (Published).
- **Ms. Mamatha GM**, Polymer Composite Material for Electromagnetic Interference (Emi) Shielding and a Process for its Preparation, 202541100291, 28/11/2025 (Published).
- **Ms. Mamatha GM**, Biodegradable Composite Material for Electromagnetic Interference (Emi) Shielding and a Process for its Preparation, 202541100859, 28/11/2025 (Published).
- **Dr. N Kiran Kumar**, AI-based Smart Home Automation and Energy Optimization System, 202541107272 A, 28/11/2025 (Published).
- **Dr. Nagaraj C**, Solar-powered wireless charging system with integrated safety and IoT based Monitoring for Electric Vehicles, 202541114759 A, 05/12/2025 (Published).

DEPARTMENT OF MECHANICAL ENGINEERING

- On 24th October 2025, the students of the Department of Mechanical Engineering visited Rajamane Industries Pvt. Ltd., located in the Somapura Industrial Area, Dobbaspeta as part of their industrial exposure program. During the visit, the students were introduced to the company's advanced manufacturing and foundry facilities.



- On 15th November 2025, the students of the Department of Mechanical Engineering visited GROTEK Enterprises Pvt. Ltd., located at Hedeginabele Village in Malur Taluk of Kolar District, as part of their industrial visit program. The company is a reputed foundry industry and During the visit, the students were introduced to the complete

foundry operations including pattern making, mould preparation, core making, melting of ferrous alloys, pouring, fettling, and finishing processes.



- On 18th November 2025, the students of the Department of Mechanical Engineering visited Toyota Kirloskar Motor Pvt. Ltd., located at Bidadi, Ramanagara district, as part of an industrial visit program. During the visit, the students gained practical exposure to modern automobile manufacturing processes, including press shop operations, body welding, paint shop procedures, and final assembly lines.



Publication in (National/International) Journals:

- **N. Kapilan, Nagamadhu M, Ashok Kumar K**- 'Studies on influence of additives added biodiesel blend on diesel engine', International Journal of Sustainable Engineering, 18(1), October 2025, <https://doi.org/10.1080/19397038.2025.2573898>.
- PS Deshpande, **R Jyothilakshmi**, LC HM, BS Sridhar. Experimental studies on latent heat capacity of hybrid nano-enhanced phase change materials using artificial neural network for energy storage applications. International Journal of Sustainable Energy, 2025 <https://doi.org/10.1080/14786451.2025.2472162>

Guest Lecture/s – Invited

- **Dr. N. Kapilan**, Regional Vice Chair, ASHRAE Region XV and Professor, Department of Mechanical

Engineering has delivered a talk on "Air Conditioning System for High Rise- Building" on 26th November 2025.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



- **Workshop conducted:** Three Days AICTE VAANI Sponsored Workshop on Application of Information and Communication Technology in Blue Economy was organized by Department of Electronics and Communication during 13th - 15th Nov 2025. The workshop was inaugurated on 13th Nov 2025 by Dr. Y Basavaraju, Former Director of Extension, KVAFSU, Sri. Satish K.N., Director, Bionexgen Pvt. Ltd, Bangalore. Dr. Raghuram S, Prof & HoD, ECE Dept, RIT.
- Industrial Visit together with Workshop on "PCB Design" was arranged to "Centre for Nano Science and Engineering (CeNSE) at IISc" on 15.11.25, 22.11.25, 29.11.25 and 06.12.25 for 3rd Semester students of Department of ECE, Ramaiah Institute of Technology. Mr. Manjunath C Lakkannavar accompanied with students.
- **Industrial visit:** A industrial visit was organized for the 1st Sem M.Tech students to KVAFSU, Fisheries Research & Information Center (Inland), Hebbal, Bengaluru on 14th November 2025.



Publications in (National / International) Journals:

- Madhuri Bonthu, **Sujatha B. Reddy**, Bharath V, "Absorption – dominant shielding effectiveness of carbon-based nanocomposites with enhanced dielectric and magnetic losses", Materials Technology Advanced Performance Materials, Taylor & Francis, 41(1), Article: 2602641 December 2025.
- **CG Raghavendra, Sanket UG**, Shreyas A, Mahantesh M, Allamaprabhu B, "Multi-Frequency Band Analysis for Queen Bee Detection in Beehive Boxes", Indian Journal of Entomology, Vol. 87, (Special Issue), pp. 58-64, December 2025.
- Suma P, **Suma K V**, Multi-phase feature selection for detection of epithelial ovarian cancer using ensemble machine learning techniques. IAES International Journal of Artificial Intelligence (IJ-AI), Vol. 14, No. 6, pp. 4802-4813.
- Suma P, **Suma K V**, A multi task Vision Transformer for automated classification of epithelial cancer subtypes, Power System Technology, ISSN: 1000-3673, vol.49, Issue 4, Oct 2025, pp. 485-501.
- **C.G. Raghavendra**, Ashwin Alex George, **Rajendra Prasad P**, "Object Detection and Classification using Deep Learning applied to Aquaculture", IEEE, International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS), pp. 1-8, 2025.
- **P. Rajendra Prasad** and S. J. Sampreeth, "Attention-Driven Spatial Convolutions: Hybrid Architecture for Precise Lane Prediction," 2025 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bengaluru, India, 2025, pp. 1-6.
- **P. Rajendra Prasad** and G. M. Sudarshan Dixith, "Design of Low Power Operational Transconductance Amplifier in 90nm Technology Node," 2025 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bengaluru, India, 2025, pp. 1-6.

Paper presentation in National / International Conferences:

- Illquain. R. Indu, **Lakshmi Shrinivasan**, A. Arunachalam, K. K. Vasan and S. Mishra, "Autonomous Indoor Rover with YOLOv5n-Based Detection for Lost-and-Found Systems," 2025 9th

International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, 20th - 22nd Nov. India, 2025, pp. 1-4, doi: 10.1109/CSITSS67709.2025.11294727.

- **Lakshmi Shrinivasan**, Apoorva S. Taradale and **Reshma Verma**, "A Hybrid LSTM-RF model for Remaining Useful life prediction of Li-Ion Batteries," 2025 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), Bengaluru, India, 2025, held during 10-13th July 2025, pp. 1-4, doi: 10.1109/CONECCT65861.2025.11306637.
- Suma. P, **S. Suma K V**, Shiva Mahaan, "Deep Learning Based Multi Class Epithelial Ovarian Cancer Classification From Histopathological Images," 2025 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER), Mangalore, India, 2025, pp. 1-6, doi: 10.1109/DISCOVER66922.2025.11258966.
- **Suma K V**, Suma P, Ananya D Hedge, Rakshith R . Early Diagnosis of Ovarian Cancer by the Integration of Whole Slide Images and Deep Learning Models, In Proceedings of the 3rd International Conference on Futuristic Technology - Volume 3: INCOFT; ISBN 978-989-758-763-4, SciTePress, pages 463-469.
- **C.G. Raghavendra**, Ashwin Alex George, **Rajendra Prasad P**, "Object Detection and Classification using Deep Learning applied to Aquaculture", IEEE, International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS), pp. 1-8, 2025.

Guest Lecture/s – Invited

- Mr. Sriresh Parambath, Siemens EDA- VLSI Design and Test: From classroom to Career, 13th December 2025

Guest Lectures Delivered by the department faculty

- **Dr. Rajendra Prasad P** and **Dr. C G Raghavendra**- "IoT Design and Innovation", Sri Vivekananda Vidya Kendra, Hoskote on 24th December 2025

Patents

- **Dr. Rajendra Prasad P**, "A Robotic Dog System and Method for Detecting Hazardous Toxins in Mining and Industrial Environments" patent number 202441079459, published on 28-11-2025

Achievements, Awards/Prizes by Faculty and students

- Shreelakshmi Parvatikar, **Lakshmi Shrinivasan & Reshma Verma** received Best Paper Award for " Robust Multi-Sensor Fusion for Autonomous Driving: A YOLOv8-Based Approach with Hungarian Matching in the hybrid 22nd Control Instrumentation Systems Conference (CISCON) 2025, technically co-sponsored by IEEE Bangalore Section, held on August 01-02, 2025, organized by department of Instrumentation and Control Engineering at Manipal Institute of Technology, Manipal, Udupi, Karnataka, India.
- Thakarashi Anand (1MS23EC162), V semester, received appreciation in Idearise, organized by E Cell, MSRIT, for his project 'Smart Wireless EV Charging System', on 24-11-2025, Organized by: E-Cell, MSRIT
- Dipesh Jhangel, Utpal Umang, 2nd Position in Robo Soccer at an event organized by Amrita College during the period 3rd - 4th November 2025
- Akashdeep Chauhan, 2nd place, Ohm Shunty Ohm, IEEE MTTs, RIT-B, 14-10-2025

Faculty who obtained Ph.D degree:

- **S Jayashree**, working as Assistant Professor, has completed her Ph D from Visvesvaraya Technological University (VTU) in September 2025.



Her research is on "Development of Novel Multimodal Data Fusion Algorithm for Remote Sensing". Satellite image fusion combines information from multiple satellite sensors to produce an image with improved spatial and spectral quality. She is guided by

Dr. Maya V Karki and co-guided by Dr. Indira K.

DEPARTMENT OF CHEMICAL ENGINEERING

Publications in (National/International) Journals:

- James T. Kurian, **T. R. Ramamohan**, and C. V. Anil Kumar, Equilibrium states of a periodically forced spheroid in oscillating shear flows, Physics of Fluids, Q1, H-Index: 203, Impact Factor:4.6, 37, 113309,

October 2025, <https://doi.org/10.1063/5.0298646>, AIP, SCL.

- S. Idhaya Kumar, **Rajeswari M. Kulkarni** & N. Ahalya, Congo red dye removal using green synthesized titanium oxide nanoparticles using saponin biosurfactant derived from Sapindus mukorossi, International Journal of Sustainable Engineering, Q1, H-Index: 47, Impact Factor:3.6. December, 2025, 18, 2596410, <https://doi.org/10.1080/19397038.2025.2596410>, Taylor & Francis, SCL.
- Lakshmi Narayani .R, Malathi Challa, **Archana Narula** & P.R Deepthi, Nonlinear kinetics, isotherms, and thermodynamic approach in the carcinogenic ions elimination by $Mn_{2.7}Al_{0.3}O_4$ sorbent, Scientific Reports, Q1, H-Index: 347, Impact Factor:3.9, December, 2025, 15, 43296, <https://doi.org/10.1038/s41598-025-03840-9>, Nature, SCL.

Guest Lecture/s – Invited

- Prof. K Seshan, Emeritus Professor, University of Twente, The Netherlands, delivered a talk on Fuels for transport, fossil, electricity and hydrogen on 18.12.2025.
- Mr. Md. Fariduddin & Ms. Spandana S Mentha, Research Scholars, IIT Madras delivered a talk on Research and future aspects of Chemical Engineering on 18.12.2025.
- Dr. K Ramesh, Chief Manager, Head Research planning, HPDRDC, Bangalore delivered a talk on Challenges and Opportunities for Chemical Engineers in the energy and R&D sector on 28.11.2025.

DEPARTMENT OF INDUSTRIAL ENGINEERING AND MANAGEMENT

Guest Lecture/s – Invited

- Mr. Abhinav Kumar Singh, Chief Business Officer – Ecorbio Ekgomi, Republic of Cyprus – “Transformative deep tech Startups creating value through the convergence of engineering and finance.” - 27/11/2025
- Mr. Siddharth Amin, Former Senior Systems Analyst, Ford Motor Company – “Smart manufacturing & intelligent enterprise systems.” - 21/11/2025

- Ms. Aparna Radhakrishnan, Deputy General Manager – Industrialization, M/S. Schneider Electric. - “Manufacturing and sustainability – from classroom to industry.” - 17/12/2025

Funded Project:

- ‘Biomechanical analysis to enhance occupational health and safety’ – Rs. 5,10,000/- Dr. M. Rajesh – Seed fund

Achievement/s, Awards/Prizes by Faculty/Staff/Students
Aadhya Sulochana Muliya – 1MS23IM002
Aadhya Sulochana Muliya – 1MS23IM002 – Certificate of Achievement for representing The Bharat Scouts and Guides – 33rd Asia- Pacific Regional Scout Jamboree – Kainomayan Scout Camp, Botolan, Zambales, Manila, Philippines – 14th to 21st December 2025.

Industrial visits



M/S. Satrac Engineering Pvt. Ltd., Dabaspeta, Bengaluru, Karnataka – 13/11/2025 – 7th sem



M/S. Molex India Private Limited, B'lore. - 5th sem

RANK HOLDERS

UNDER GRADUATE



ANN XAVIERA REGO
 USN - 1MS21IM005
 Rank - I



RIYA. B
 USN - 1MS21IM029
 RANK - II



MEHEERN KAUSER
 USN - 1MS21IM023
 RANK - III



M/S. Silcarb Recrystallized Limited, Nelamangala Town,
 Yelachagere, Karnataka 562123 - 12/12/2025 – 3rd sem

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Publications in (National / International) Journals

- Beena, K., & **Sangeetha, V.** "A Customized CNN for Arecanut Disease Detection". Engineering, Technology & Applied Science Research, Vol.15 No.6, (2025), pp 28856-28861.
- Subbulakshmi, V., **Chaudhari, S.,** TS, S. K., & Iyer, A. R. "Federated Deep Learning for Tailgating Behaviour Detection in Intelligent Transportation Systems". Journal of Studies in Science and Engineering, Vol. 5 No. 2, (2025), pp 159-186.
- **Chaudhari, S.,** Rane, A., & Kumar, A. R. (2025). Personalizing nutrition and recipe recommendation using attention mechanism with an ensemble model. Clinical eHealth, Vol. 8, (2025), pp 66-77.

Paper presentation in National / International Conferences:

- **Sangeetha V,** Shivansh Shukla,Vaibhav Raina, Puru, Surya Nirbhay Singh, "A Multimodal Surveillance

System for Detecting Cheating Behaviors in Online Exam", 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Nov 2025.

- **Sangeetha V,** A Nandini, Amruta M,Gaargi N, SmartHerd AI: Integrating Bio-Inspired Swarm Intelligence with XAI for Cattle Health Monitoring, 6th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS-2025), Nov 2025.
- **Sangeetha V,** Suvarna Hugar, "Predictive Modeling for Early-Stage Parkinson's Diagnosis: An Evaluation of Boosted and Statistical Learning Techniques", 2nd International Conference on Software, Systems and Information Technology (SSITCON-2025), Oct 2025.
- **G. Shidaganti,** B. Bathinanna, S. Gouda and A. Manojkumar, "Securing Educational Credentials with Zero-Knowledge Proofs and Blockchain Technology," 2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, pp. 1-6, 2025.
- T. M. Josylin and **G. Shidaganti,** "Behavioral Data-Driven Learning Analytics for Early Intervention in At-Risk Students," 2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, pp. 1-6, 2025.
- **Uzma Sulthana, Mamatha A, Veena S,** Ranjitha J, Shivani N "Advanced YOLO v11-Integrated CNN Framework for Efficient and Accurate Animal

Recognition", 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS). pp. 1-6, 2025.

- **Mamatha A**, Prathviraj Gawali, Naresh Chavan, Manvendra Singh, Pratham Chavan, "Smart LIP-Reading Using CNN With Timedistributed Layers: From Silent Video to Kannada Text", 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, pp. 1-6, Nov 2025.
- **Swetha M., Sangeetha J.**, "Harnessing Deep Learning and Transfer Learning for Gemstone Classification and Authenticity Analysis", 2nd International Conference on Cutting Edge Technology in Computing, Communication and Intelligence, pp. 212-217, 2025.
- **Parkavi A**, Ishika , Atul Sharma, **Uzma Sulthana**, Gokulnath S , Darshan N , Gurunath Deshpande and G Varun Teja Reddy, "ScholarSphere: A Smart Platform for Research Networking and Collaboration in the Digital Age", International Conference on Technology 4 Education (T4E 2025), Indian Institute of Technology Madras (IIT Madras), Chennai, India, Dec 2025.
- **Parkavi A**, Ishika , Atul Sharma, **Uzma Sulthana**, Evangeline D and Ayan Nadaf, "Lessonlytics: When Lessons Speak - an AI-Driven Evaluation of Lesson Plans Using Student Performance Data", International Conference on Technology 4 Education (T4E 2025), Indian Institute of Technology Madras (IIT Madras), Chennai, India, Dec 2025.
- **Chaudhari, S., & Anchalia, A**, "Efficient image deduplication using HashMap: a scalable approach".

Proceedings of the Indian National Science Academy, pp 1-13, 2025.

Guest Lecture/s – Invited

- Mr Manish Jain, Principal Coordinator , IIT Gandhinagar - "How to Create Hardware", 04/12/2025.
- Mr Nishanth R, Ms Priya Murthy, Mr Tejinder Sagar, Elektrobit "Safety and Security Mechanisms for software Defined vehicles", 26-11-2025.
- Laya Arun, Software Engineer, Morgan Stanley, "System Design masterclass: From basics to cracking interviews", 15-11-2025.
- Mr. Zulkar Nain Head of the Bangalore Region at Wizdom Ed, "Opportunities and Scholarships in International Universities", 13-11- 2025.
- Dr. Sara Kalvala, Associate Professor, university of Warwick, United Kingdom, "Agent based systems in AI", 13-11- 2025.
- Nishanth R, Team manager, Tejinder Sagar, Technical Architect, Priya Murthy, Senior Engineer, Nandi H R, Executive Engineer, Seema Murthy, Team Manager, Sindu Nadiger, Team Manager, Elektrobit, "Safety & Security in Software-Defined Vehicles", 26-11-2025.

Guest Lecture delivered by the department faculty

- Dr. Sangeetha V, "Machine Learning Algorithms for Side-Channel Attack Detection and Countermeasure Design", in Three-Day Virtual Faculty Development Programme, Aditya College of Engineering , Madanapalle, 12/12/2025.

RANK HOLDERS

UNDER GRADUATE



SAANVI NAIR
USN - 1MS21CS110
Rank - I



S MEENA KUMARI
USN - 1MS21CS109
RANK - II



AMALA RASHMI KUMAR
USN - 1MS21CS144
RANK - III



PRACHI JAIDEEP GOPSITKAR
USN - 1MS21CS093
RANK - IV

POST GRADUATE

Computer Science and Engineering



TRESA MARIA JOSYLIN
USN - 1MS23SCS25
Rank - I



VARSHINI S
USN - 1MS23SCS27
RANK - I

Computer Network and Engineering



PRIYANKA H B
USN - 1MS23SCN11
RANK - I

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Guest Lecture organised

- Department had organized Guest lecture on Design Thinking delivered by Dr. Christina Grace Charlet C, Biosensors Laboratory, IITM, Chennai on 11.12.2025.

Faculty Publications in (National / International) Journals

- Babu, T., H. S. N., G, S., M, M., ASE-RAE: an attention-based squeeze-excitation residual autoencoder for medical image denoising, The Imaging Science Journal, Taylor and Francis group, pp.1–18, vol. 73, Nov. 2025, <https://doi.org/10.1080/13682199.2025.2581929>.
- Fraiwan, M., Ibranian, A., & Haider, N. S. (2025). A Dataset of Heart Sound Regurgitation of Patients with Heart Valve Disorders. Data in Brief, p.112081. Sep 2025.

Presentation in International/National Conferences

- Dr Shivaprakash G, A. Kanakaiah, Priyanka M S, G. Sathish, "Multi-scale Cross-attention vision transformer based remote sensing using synthetic aperture radar and multi spectral imagery data",

Published in IEEE Conference proceedings of ICMNWC-2025.

- M K Pushpa, Kishore H N, Vijay Jagadish Upadhye, Ramya Maranan, S Sri Ragavi, "An Intelligent Lung Cancer Diagnostic System based Latent Equivariant Quantum Convolutional Neural Network with improved Orca Predation Algorithm using Histo Pathological Imaging", 9th international conference on Electronics, Communication, and Aerospace Technology (ICECA 2025), 5-7 NOV 2025.
- M K Pushpa, Annapoorna M S, Diana Baliga B, Somu Chinnusamy, R Princy, ArunRaj S R, "Implementation of Topological Signal Processing Techniques for Enhancing Feature Extraction in Graph based Learning models", International conference on Data Processing and Networking (ICDPN 2025), Springer Lecture notes Europe, 7-8 Nov 2025.

Patent Published

- Dr Shivaprakash, Dr Narayana swamy chetty Y V, Dr Shreyas N; No.: 202541125517A, PROCTO TONMETER, A Non-Invasive Digital Embedded System For Indicating Intra-Rectal Pressure.
- Pushpa MK, Elavaar Kuzahli S, Patent Number: 202541031241, AI-Powered Vibration Sensor System for Real-Time Structural Health Monitoring

RANK HOLDERS

UNDER GRADUATE



NIDHI BISHNOI
USN - 1MS21EI035
Rank - I



SAHANA CHANDRAHAS NAIK
USN - 1MS21EI045
RANK - II



SHAARU U
USN - 1MS21EI050
RANK - III

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

- IDEATHON was held on 28th November 2025, by ISE Department, RIT, for 3rd Semester Students as team of 3-4 members, where Creativity meets Problem Solving ! and gives students an experience of expressing the Innovative Ideas and Collaborating with other Brilliant Minds to build Impactful Solutions.



- HACKATHON was held on 28th November 2025, by ISE Department, RIT, for 5th Semester Students , a time-bound, collaborative event where Students with diverse skills (coders, designers, etc.) work

intensely to develop innovative solutions, prototypes, or projects, often for a specific challenge. Combining "hack" (creative problem-solving) and "marathon," they foster rapid innovation, skill development, teamwork, and networking, with organizers using them to find talent or spark internal ideas.



Industry Visit

- On 20th December, the Dept of ISE, Ramaiah Institute of Technology organized an industrial visit to the CtrlS Datacenters, and was introduced to the fundamentals of data centers, cloud infrastructure, and large-scale IT operations, helping us understand

how modern digital services are powered. Faculty Accompanied with students are: Prof. Prashanth Kambli ,Prof. Suresh Kumar K R ,Dr. Shruthi G ,Prof. Shruthi J R



IEEE Industry Conclave

- IEEE CIS INDUSTRY CONCLAVE 2025, a two-day national-level technology conclave organized by IEEE RIT-B on 5th & 6th December 2025 at Ramaiah Institute of Technology on the theme "Deploying the Future, Today."



Guest Lecture/s – Invited

- **Mr. Nishant Krishna**, Founder and Executive at Visiminds Technologies, delivered an insightful guest lecture on "Data Structures – An Industry Perspective" on 13th December 2025 organized by the Department of Information Science and Engineering at Ramaiah Institute of Technology, Bangalore.



Guest Lecture/s – Invited

- Dr. Basavaraju H T, Associate Professor and Head, Vidyavardhaka College of Engineering Mysuru, delivered an insightful guest lecture on "**Analysis of patterns for object recognition using geometric and semantic features**", conducted on 27th November 2025 organized by the Department of Information Science and Engineering at Ramaiah Institute of Technology, Bangalore



Publications in (National / International) Journals

- **Praveen Pawaskar, Yogish H K, Pakruddin B, Deepa Yogish** "Fine-tuning pre-trained deep learning models for crop prediction using soil conditions in smart agriculture", International Journal of Electrical and Computer Engineering (IJECE), Vol. 15, No. 6, December 2025, pp. 5667–5678, ISSN: 2088-8708, DOI: 10.11591/ijece.v15i6.pp5667-5678[Q3]

Paper presentation in National / International Conferences

- **Prashanth Kambli, Prathima M N, Priyanka M R, Suresh Kumar K R**, "Hybrid Deep Learning for growth Analysis in Hydroponics system for Byadgi Chilli Cultivation", 9th IEEE International Conference on Computational systems and Information Technology for Sustainable solutions (CSITSS-2025), held from 20th - 22nd November 2025 at RV College of Engineering, Bengaluru
- **Evangeline D , Suhas T G, Sangamesh, Sanjay Samahith, Sharath D , Parkavi A**, "Real-Time Face Presentation Attack Detection Using Deep Learning", International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG-2025), held from 10th – 11th October 2025 at JSS Science and Technology University, Mysuru

- **Evangeline D , Pranshu Agarwal, Mohit R, Mohammed Faizan, Hammad Khan, Parkavi A,** "Real-Time Deepfake Detection System Using MobilenetV1", International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG-2025), held from 10th – 11th October 2025 at JSS Science and Technology University, Mysuru
- **Gagan G, J R Shruthi, Shanmuga Priya, Adithya V, Akash J N, Abhishek N, K R shrivatsan,** Advanced Cyber Security Architecture: A Unified Approach combining classical and neural Network Methodology for comprehensive Threat Detection and Intelligent Authentication.", International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG-2025), held from 10th – 11th October 2025 at JSS Science and Technology University, Mysuru
- **Priyanshu Bojwani , Shanmuga Priya, J R Shruthi, Suraj Teli, Swasthik Sharma, Shreelakshmi Hegde,** Nishkarsh: An AI Based Multimodal Political Biased Detection System for Indian News Media.", International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG-2025), held from 10th – 11th October 2025 at JSS Science and Technology University, Mysuru
- **Shruthi J R,** "An AI Based Approach for detecting Under Water Mines using Sonar Imagery" , International Conference on Health Informatics, Intelligent Systems and Networking Technologies (HINT'25), held from 15th – 16th October 2025, at Manipal Institute of technology, Bengaluru.

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students:

BLOOD DOANTION CAMP

- NATIONAL SERVICE SCHEME organized the blood donation camp in RIT campus:
- ISE achieved the highest Voluntary Blood Donation in the 500 plus donor category during the 27th Annual Blood donation Camp held on 5th DECEMBER 2025, demonstrating remarkable participation, collective unity. And an unwavering commitment to saving lives through selfless service to society



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING) (CYBER SECURITY)

- A partial delivery sessions on "Machine Learning Applications" for Third Year students of the Department of CSE (AI & ML) / First Semester M.Tech PG AI Students by Mr. Karthik , AI & Data Science Leader, Built Global Teams, from Amazon was held on 04/11/2025 at the DES Seminar Hall, Ramaiah Institute of Technology, Bengaluru.



- A partial delivery session for the course CI33 – Data Structures for Second Year students of the Department of CSE (AI & ML) and the Department of CSE (Cyber Security) by Mr. Karn Tiwari from IISc was held on 05/11/2025 at the ESB Seminar Hall, Ramaiah Institute of Technology, Bengaluru.



- Mr. Grant Kurz, Founder and CEO of the Global AI community DeepStation, delivered an expert talk about "AI and Agent Frameworks" for at CRD405, Multipurpose Block, Organized by Departments of CSE (AI & ML) and CSE (Cyber Security), on 14/11/2025.



- An expert lecture by Mr. Dhananjay Venkatesh, from Adya.AI ,Bengaluru on "The usage of AI agent platforms- for Agent Building" for third year students of CSE (AI & ML) and CSE (Cyber Security), on 16th October 2025, at the ESB Seminar Hall ,RIT.



- Ramaiah Institute of Technology, in association with the Institution's Innovation Council and E-Cell, hosted Quantitative Minds 2025 Expert Talk by Mr.Souham Sengupta,Chief of Education,AQUA and Head of Quantitative Finance, ARFinSec, Organized in collaboration with the departments of CSE (AI & ML) and CSE (Cybersecurity), on Friday, November 28th, 2025, at the DES Hi-Tech Hall,RIT.



- Mr. Diptikalyan Saha , Senior Technical Staff Member and Master Inventor, from IBM Technologies Bengaluru delivered expert talk on "Usage of Generative AI based Software Engineering" for third year students of CSE (AI & ML) and CSE (Cyber Security), on 24th October 2025, at the LHC Seminar Hall, RIT.



Publications in (National/International) Journals/ International Conferences/Book Chapters

- Siddesh, G.M, Multimedia video analytics using deep hybrid fusion algorithm. Multimed Tools Applications, Springer Publications, Vol. 84, pp-14167–14185,23 September 2025. <https://doi.org/10.1007/s11042-024-20184-0>
- Mohana Kumar S et al, "A Comparative Analysis of Texture and Deep Feature Extraction Techniques for Breast Cancer Diagnosis in Ultrasound Imaging," 2025 Third International Conference on Networks, Multimedia and Information Technology (NMITCON), BENGALURU, India, 2025, pp. 1-8, <https://doi.org/10.1109/NMITCON65824.2025.11187447>.
- Mohana Kumar S, Shankaramma, N. S B and S. L, "Evaluation and Performance of a Phishing Electronic Mail Detection Model," 2025 8th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2025, pp. 1242-1246, <https://doi.org/10.1109/ICCMC65190.2025.11140705>.
- Shankaramma, "Revolutionizing Recycling: Blockchain and Green Credit Empowerment for a Sustainable Future," 2025 2nd International Conference on New Frontiers in Communication, Automation, Management and Security (ICCAMS), Bangalore, India, 2025, pp. 1-6, <https://doi.org/10.1109/ICCAMS65118.2025.11233982>
- Natarikar, M. K., Mantrala, A., Singhal, A., Agarwal, C., & Menon, G. (2025, August). EpicFrame: Enhanced Narrative Creation and Storytelling Coherence. In 2025 9th International Conference on Inventive Systems and Control (ICISC) (pp. 693-699). IEEE. October 2025. <https://doi.org/10.1109/ICISC65841.2025.11188256>
- Mohan Kumar S, "A Novel and Hybrid Wireless Sensor Network Packet Transmission Framework Based on Optimal Cluster Head Selection Using NBO and JFOA" published in International Journal of Information Technology, Springer Nature, 18-12-2025. <https://doi.org/10.1007/s41870-025-02922-1>
- A. N. Ramya Shree, Nithya N "Integrating TL and XAI for Trustworthy Malaria Diagnosis in Clinical Decision Support," 9th IEEE International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India,

pp. 1-6, 19 December 2025. <https://doi.org/10.1109/CSITSS67709.2025.11294895>

Workshop/FDP/Symposium/Technical Talk attended by faculties

- Dr. Naveen N C, Professor, attended FDP on "Empowering Educators through Emerging Technologies in the IT Industry," organized in collaboration with Tata Consultancy Services (TCS), held from 28/07/2025 to 1/08/2025.
- Dr. Rakesh Kalshetty, Assistant Professor, attended FDP on "Integrating AI Tools in Biotechnology Research," organized at MSRIT, held from 01/09/2025 to 06/09/2025.
- Dr. Rakesh Kalshetty, Assistant Professor, attended FDP on "Augmented Reality / Virtual Reality (AR/VR)," organized by Dr. Vithalrao Vikhe Patil College of Engineering, Maharashtra, held from 25/08/2025 to 31/08/2025.

Guest Lecture delivered by the Department Faculty

- Dr. A N Ramya Shree, served as a judge for the IDEA Hackathon Event at Ramaiah Polytechnique, Bengaluru on 10th - 11th October 2025.
- Dr. Vishalakshi Prabhu H, Associate Professor, served as Session Chair for the IEEE conference CSITSS-2025 held at RVCE, Bengaluru, during Nov 20-22, 2025.
- Dr. Sahana Lokesh R, Associate Professor, delivered an expert talk on "Cyber Jagrithi(Cyber Security Awareness)" for the 5th semester ISE students at Saptagiri College of Engineering ,Bangalore on 12th November 2025.



- Dr. Sajini G, Assistant Professor, delivered a Guest Lecture with hands-on training on "Data Visualization Revolution: Elevate Your Skills with Power BI" for

the 5th semester ISE students at Acharya Institute of Technology, Bangalore, on 3rd December 2025.



Staff Achievements

- Dr. Rakesh Kalshetty, Assistant Professor, Department of CSE (AI&ML) and CSE (Cyber Security), has contributed as a Mentor for the student project with Hewlett Packard Enterprise.
- Dr. Rakesh Kalshetty, Assistant Professor, Department of CSE (AI&ML) and CSE (Cyber Security), has served as a Reviewer for eWorkflow and successfully reviewed one manuscript.
- Dr. Rakesh Kalshetty, Assistant Professor, Department of CSE (AI&ML) and CSE (Cyber Security), has served as a Reviewer for the Journal of Engineering Research and Reviews and successfully reviewed two manuscripts.
- Dr. Sahana Lokesh R, Associate Professor, has presented a paper titled "Diabetic Retinopathy Detection and Classification using pre-trained CNN Architectures and Vision transformers" in IEEE International Conference INSPIRE-2025 organized by Mangalore Institute of technology and Engineering, Moodbidri, Karnataka, India, on 20-21 November 2025.
- Dr. A N Ramya Shree, Associate Professor has completed NPTEL course on "Artificial Intelligence-Concepts and Techniques." A 12 week course offered by IISc, Bengaluru, during November 2025.
- Dr. Sahana Lokesh R ,Associate Professor has completed NPTEL course on "Artificial Intelligence-Concepts and Techniques " A 12 week course offered by IISc,Bengaluru during November 2025.
- Dr. Sahana Lokesh R ,Associate Professor has completed NPTEL course on "Cloud Computing "A 12 week course offered by IIT-Madras during November 2025.
- Dr. Vishalakshi Prabhu H, Associate Professor, has completed NPTEL course on "Programming with Generative AI" during November 2025.

- Ms. Kavya Natikar, Assistant Professor has completed NPTEL course on "Deep Learning" 12 week course offered by IIT Ropar in November 2025.
- Dr. Nayana G.Bhat, Associate Professor, has completed NPTEL course on "Advanced R Programming for Data Analytics in Business," a 12 week course offered by IIT Madras in November 2025.
- Dr. Vishalakshi Prabhu H, Associate Professor, Departments of CSE (AI & ML) and Prof. Shankaramma, CSE (Cyber Security) received a seed money grant of ₹2,89,000 for the project titled "HoneyChain" from the RIT Seed Fund 2025 for the duration of Nov 2025 to Oct 2027.
- A patent titled "Deep Learning-Driven Framework for Real-Time Malware Detection in Desktop and Web Applications" has been officially published under section 11A on 1-8-2025 by the Office of the Controller General of Patents, Designs & Trade Marks, Government of India, referring to application (No. 202541069557) by Mrs. Snehalatha N and Dr. Mohana Kumar S.

Student Achievements

- Mr. Bhaskar Datta (1MS22CY014) of 7th semester CSE (Cyber Security) won GenAI Hackathon on Language Domain organized by Samsung Prism Technologies on 17th September 2025.
- Prathamesh Sayal (1MS23CY049) of 5th sem CSE(Cyber Security) won 5th place with ₹45000 Cash Prize at National Level Cybersecurity championship conducted by PES RR campus on 9th November 2025 .
- Prathamesh Sayal (1MS23CY049) of 5th sem CSE (Cyber Security) bagged 1st place in Hackshetra 2.0 hackathon conducted by VVCE (Vidya Vardhaka College of Engineering), Mysore with a cash prize of 25K on 14-15, November, 2025.



- Mr. Aditya Singh Raghuveer Singh Bhavare (1MS23CI400) of 5th Semester CSE (AI & ML) won First Prize in the State-level Ideathon 2025 organized by New Horizon College of Engineering, Bengaluru.



- Mr. Pranjal Upadhyay (1MS22CI048) of 7th Semester CSE (AI & ML), Mr. Yash Budhia (1MS22CY079), Ms. H V Spurthi (1MS22CY068) and Vishesh Gupta (1MS22CY078) of 7th Semester CSE (Cyber Security) presented a Technical paper titled "IMedAssist: A Hybrid NLP and Knowledge Graph Framework for Automated Medical Document Analysis" at the Springer International Conference on Digital Technology and Engineering ICDTE-2025 on 16th October 2025 Organized by RV Institute of Technology and Management ,Bengaluru.



- Ms. Rakshita V (1MS22CI052), Ms. Sharanya Raj Verma (1MS22CI061), Mr. Nithin N (1MS22CI042), Mr. Prabhav Bhandari (1MS22CI045) of 7th Semester CSE (AI & ML) , presented a Technical paper titled "IAneAssist: An Assistive AI System for Early Anemia Detection Using Ocular Imaging" at the Springer International Conference on Digital Technology and Engineering ICDTE-2025 on 16th October 2025 Organized by RV Institute of Technology and Management, Bengaluru.



- Ms. Lavanya Kamaraju (1MS24SAI08), Hrithwika (1MS24SAI05), Supriya (1MS24SAI17) and Ms. Sahana M B (1MS24SAI14) of 3rd semester M.Tech (Artificial Intelligence) presented a Technical paper titled "Integrating Transfer Learning for Trustworthy Malaria Diagnosis in Clinical Decision Support" at the 9th IEEE International Conference CSITSS on 24 September 2025, organized by RV College of Engineering, Bengaluru.



- Our Team Cute Potatoes comprising Mudit Saxena (1MS23CI070), Gaurav Mishra (1MS23CS066), Jayakeerthi (1MS23CI048), Kunal Agrawal (1MS23CS093), Anagha Patil (1MS23CI011) and Khushi Dubey (1MS23CI056) proudly emerged as Runner-Up at Smart India Hackathon (SIH) 2025, held on December 8–9, 2025 at Biju Patnaik University of Technology, Rourkela showcasing innovation, technical excellence, and strong teamwork on a national platform.



- Our Team "Parallink" comprising Harshit Agarwal (1MS23CI040), Ishan Gupta (1MS23CI043), KR. Adarsh Suman (1MS23CI059), Keerthi Satish (1MS23CI055), Anurag Singh (1MS23CY007), Amogh Shastry (1MS23MD004) proudly emerged as Runner-Up at Smart India Hackathon(SIH) 2025, held on December 8–13th December 2025 at Sri Sairam Institutions, Chennai showcasing innovation, technical excellence, and strong teamwork on a national platform.



- Nishika (1MS23CI078) CSE (AI&ML), Parvathy Chaitanya (1MS23CI084) CSE (AI&ML) and Shreeya (1MS23CS170) (CSE) proudly emerged as Winners at CODE RED 3.0 -24 Hour National Level Hackathon held on December 12–13, 2025 at BMSIT, Bengaluru, showcasing innovation, technical excellence, and strong teamwork on a national platform.



Industry - Academia Interaction Visit

- A visit to the Supercomputer Education and Research Centre (SERC), Indian Institute of Science (IISc), was organized for third-year students of CSE (Artificial Intelligence & Machine Learning) and CSE (Cyber Security) on 17th October 2025. During the visit, students had the opportunity to interact with academic professionals and understand the parallel computing infrastructure.



- An industrial visit to SAP LABS was organized for third-year students of CSE (Artificial Intelligence & Machine Learning) and CSE (Cyber Security) on 24th and 25th November 2025. During the visit, students had the opportunity to interact with industry professionals, understand enterprise-level infrastructure, and gain insights into current trends and innovations in the Tech industry.



DEPARTMENT OF AEROSPACE ENGINEERING

Publications in International Journals

- **C.M. Vigneswaran**, M. Shakthi Prasad, R. Sahana, B. Akshaykumar, K.V. Lohith Fatigue Study of Glass Fiber Reinforced Polymers with Carbon Nano Tubes, IJVSS, Vol. 17(5), December, 2025.
- **C.M. Vigneswaran**, Mohamed Hussain, R. Srinath, **Inamul Hasan**, **P.M. Radhakrishnan**, Fabrication of Bladeless Propulsion Jet Engine, IJVSS, Vol. 17(5), December, 2025.
- **C.M. Vigneswaran**, Mohamed Hussain, R. Anand, K.Y. Chethana, Experimental and Numerical Analysis on Co-Flow Jet Airfoil, IJVSS, Vol. 17(6), December, 2025.
- M. Dheepthi, R. Santhanakrishnan, **P.M. Radhakrishnan**, **C.M. Vigneswaran**, Evaluation of Bending Strength of Corrugated Foam Sandwich Panel by Varying Face Sheets, IJVSS, Vol. 17(5), December, 2025.

Paper presentation in National / International Conferences

- Anand M Raikar, S K Maharana, N Chikkanna, Integrating CFD, Experiments, and Bayesian Inference for Aerodynamic Analysis of a Serrated Delta Wing, ICTACEM2025, IIT, Kharaghpur, December 15-17, 2025.

Guest Lecture Invited

- Dr. Nirmala Hiremani, Department of Computer Science and Engineering, VTU, Muddenahalli Campus, Chikkaballapura, delivered talk titled "Design Thinking" on 21/11/2025.
- Mr. Ashwanth Durai, Engineering Manager, Collins Aerospace, delivered talk titled "Aerospace

Aftermarket Careers Decoded: What the Industry Expects from You" on 26-11-2025.

MOOC Courses Cleared by faculty

- **Dr. Inamul Hasan** has Cleared "UAV Design - Part II" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. Inamul Hasan** has Cleared "Space Environment and its Effects on Orbital Spacecrafts" as a Topper conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. Inamul Hasan** has Cleared "Introduction to Aerospace Engineering - Flight" as a Topper conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. Inamul Hasan** has Cleared "Introduction to Air breathing Propulsion" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. Inamul Hasan** has Cleared "Intelligent Feedback and Control" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. C.M. Vigneswaran** has Cleared "Introduction to Airplane Performance" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. C.M. Vigneswaran** has Cleared "UAV Design – Part II" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. C.M. Vigneswaran** has Cleared "Introduction to Aerospace Engineering - Flight" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.
- **Dr. C.M. Vigneswaran** has Cleared "Aircraft Stability and Control" in an Elite Category conducted by NPTEL-SWAYAM MOOC course in July – December 2025.

Books Published by faculty

- Babula Reddy Ambati, Dr. Satish Kumar Dhurandhar, Dr. C. M. Vigneswaran, Dr. G. S. Samy, Fluid Mechanics and Machinery, first edition, 2025, ISBN-978-93-7361-541-7.

- Dr. A. Senthamilselvi & Mr. S. Kodieswaran, Investigation of Microstructure, Mechanical and Tribological Properties of Vanadium Reinforced Titanium Composites, First Edition October 2025, Akshayha Publishers , ISBN : 978-93-5780-569-8.

Awards/Achievement/Prize by faculty

- **Dr. Inamul Hasan**, awarded the "Domain Scholar Certification – Flight Mechanics (Aerospace Engineering)" by NPTEL-SWAYAM and IIT Madras in October 2025.
- **Dr. Inamul Hasan**, awarded the "NPTEL Discipline Star – Aerospace Engineering" by NPTEL-SWAYAM and IIT Madras during the July–December 2025 session.
- **Dr. Inamul Hasan**, awarded the "NPTEL Believers" recognition by NPTEL-SWAYAM and IIT Madras during the July–December 2025 session.
- **Dr. C.M. Vigneswaran**, awarded the "NPTEL Discipline Star – Aerospace Engineering" by NPTEL-SWAYAM and IIT Madras during the July–December 2025 session.
- **Dr. C.M. Vigneswaran**, awarded the "NPTEL Believers" recognition by NPTEL-SWAYAM and IIT Madras during the July–December 2025 session.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Achievements / Activities:

- The department of AIML along with the Department of AIDS conducted a one day technical event encompassing an invited talk and technical competitions for all students of RIT. The event AI Codefix Challenge - 2025 was held in AIML and AIDS laboratories on 27th November 2025 and winners were honoured with cash prizes.



- Prarthan B P, 5th Semester, AIML, and team secured the finalist position on 7th December 2025 in the state-level buildathon and has been selected for the National level Finale of the OpenAI Academy X NxtWave Buildathon. He will be representing our college in the finals in India AI Impact Summit 2026, to be held in New Delhi during Feb-Mar 2026.
- Dr. Jagadish S Kallimani is mentoring high-school students namely, Ananya saboo, Yogya, Abha, Ira, and Pranjal from Jnana Prabodhini Prashala, Pune for their AI project on Futurology of AI in Courtrooms. They visited the department on 10th November 2025.



- Dr. A Ajina, served as a panellist in the discussion titled 'Redefining the Role of Women in Engineering: Leadership, Innovation, and Impact' during IEEE Tech Week 2025 at Presidency University on 31st October 2025.
- Kshiraja Nelapati, Prathmesh Sayal and Kamal Kartek U, have secured 1st place in HACK KSHETRA-25 under the domain AI FOR HEALTH held on 14-15 November 2025 organized by Department of CSE VVCE, Mysore.
- Tanvi Subramanya, 7th semester, AIML has presented a talk in IBM TechXchange 2025 on GavelAI: Agentic GenAI for Legal Analysis, at Orlando, Florida during 06-09 October 2025.



- Dr. Jagadish S Kallimani is awarded with Bharath Gourav prestigious award 2025 on 14th December 2025 by All India Human Rights, Anti-Corruption and Social Justice, on the occasion of International Human Rights Day.



- Dr. Jagadish S Kallimani delivered an Invited technical talk and Hands-on Laboratory sessions on 'Generative AI and its Applications' on 5th December 2025 for Final-year and Pre-final year students, Department of AI & DS GSSSIETW, Mysuru.

Paper presentation in National / International Conferences

- Priya M, et al, 'Human Pose Estimation and Transformation'. First Engineering Data Analytics and Management Conference (EAMCON 2025).

Patents

- Dr. Meeradevi, 'A Smart Pill Dispensing System for Automated Medication Adherence for Optimized Medication Scheduling and a method thereof', Application no: 202541024881, Publication date: 28-11-2025.

Guest Lecture/s – Invited

- D. Habiba Akter, Queen Mary University of London, delivered talk on 'Open New Doors: Master AI Skills for 21st Century Careers' on 5th Nov 2025.
- Mr. Mallikarjun S and Mr. Vivek B V, Flexera, delivered talk on 'AI Gives You Wings: Prove It Before You Deploy It' on 11th Nov 2025.
- Mr. Krishna Yogi, delivered talk on 'Bitcoin Decoded' on 11th Dec 2025.

Reviewer:

- Dr. Meeradevi, reviewer for Journal of Hazardous, Toxic, and Radioactive Waste.

Funded Project:

- Dr Manasa S M, obtained RIT seed grant of Rs. 3,30,500/- for the research titled, 'Neuro feedback system for seizure prevention and treatment using early detection' during December 2025.

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

- The Developer Students Club (DSC), with AI&DS and ISE Departments, hosted RIT's debut Capture The Flag (CTF) cybersecurity competition. Infosec enthusiasts competed in hands-on challenges across cryptography, web exploitation, forensics, and binary analysis on a custom Vercel-deployed website. Held in AI&ML and ISE labs, the event fostered practical hacking/defense skills, critical thinking, and problem-solving in a secure digital space. It provided a competitive platform to showcase cybersecurity proficiency, embracing modern threats.



- The Developers Student Club, under the Department of AI&DS and ISE, successfully organized the MERN + GEMINI Workshop, a Web development and AI Workshop that brought together coding enthusiasts from across the college. The contest aimed to provide a space for students to learn and enjoy the process of building web applications, and also learn about modern AI application building using Google Gemini.
- The event was held at the AIML Lab, allowing participants to code on the lab computers, thus fostering inclusivity and adaptability.



- AI CODEFIX 2025 was a multi-stage technical competition emphasizing real-world software engineering via a "fix, debug, analyze, optimize" format. Unlike traditional coding contests, teams tackled flawed codebases with logical errors, inefficiencies, and structural issues. Participants analyzed code, identified bugs, optimized performance, and proposed AI-driven solutions under time constraints. Evaluation focused on analytical thinking, debugging, optimization strategies, and reasoning skills. Simulating industry scenarios, it built teamwork, strategic thinking, and pressure-handling for practical developer challenges.



Publication Details: Journals

- Dr. Sowmya B J – 'Consortium blockchain-based IoT identity management for smart systems', Cogent Engineering, 12(1). <https://doi.org/10.1080/23311916.2025.2573142>
- Dr. Sowmya B J. et al.-" Blockchain based machine learning approach for secure and efficient vehicular data monitoring and analysis". Discov Computing 28, 259 (2025). <https://doi.org/10.1007/s10791-025-09771->

International Conferences

- Dr. Vinay T R, Dr. Nagaraj Lutimath, Title: "Transfer Learning Driven Flower Classification with Optimized MobileNetV2 Architecture", AICTE Sponsored IEEE conference ICECIT-2025, SIT, Tumkur, Date: 19-12-2025.
- Swetha B N et al, "Cancer Detection and Prediction Using lncRNA", 1st Engineering Data Analytics and Management Conference (EAMCON 2025)
- Shylaja V et al, "Human Pose Estimation and Transformation". 1st Engineering Data Analytics and Management Conference (EAMCON 2025)

Guest Lecture Invited

- Organised a Guest Lecture on "Open New Doors Mastering AI skills for 21st Century", Date: 05-11-2025, by Dr. Habiba Akther, Queen Mary University, London, UK.
- Organised a Guest Lecture on "AI gives you wings", Date: 11-11-2025, by Dr. Mallikarjuna S and Team from Flexera Organization, Bengaluru.
- Organised a Guest Lecture on "AgriGenAI:Leveraging Generative AI for Next-Gen Farming Technologies", Date: 27-11-2025, by Bharathi Athinarayanan from AI Pioneer.
- Organised a Guest Lecture on "BITCOIN DECODED", Date: 11-12-2025, by Krishna Yogi from Microsoft..

Guest Lecture /Talk delivered by the department faculty

- **Dr. Vinay T R**, "Parallel Programming with CUDA - A Hands-on Approach", Department of CSE (Data Science), ACS College of Engineering, Bengaluru on 09-10-2025.
- **Dr. Vijaya Kumar B P, Dr. Vinay T R, Ms. Harshadda**, "Awareness Talk on misuse of Mobile Phones / Safe usage" High School Students of MS Ramaiah High School, Date: 08-12-2025 under Sanchara Sarathi, Ministry of Communications, Gol.
- **Dr. Kusuma T**, "Cyber security and its awareness" Department of ISE, Sapthagiri College of Engineering, Bangalore on 12-11-2025.

- TCS Consultancy Services invited **Dr. Vijaya Kumar B. P.** as a Guest for IMC 25, conducted at Yashobhoomi, New Delhi, during 08-10 October 2025.



- IQAC Peer Team invited **Dr. Vijay Kumar B P** as a Expert Member & Guest Resource Person, conducted at MITE Mangalore during November 2025



Funded Project

- **Dr. SOWMYA B J**, "NeuroConnect: A Clinically-Graded In-Ear Electroencephalography System for Real-Time Neurological Monitoring and Adaptive Audio Biofeedback", Funded by RIT SEED MONEY, Grant Rs.Rs. 3,05,000

Patents

- **Dr. Vijaya Kumar B P, Dr. Vinay T R, Dr. Vaneeta**, Title: "A system and a method for real-time accident detection and victim assessment", Patent Number: 202541107741, Published Date: 06-11-2025

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students:

- Students, Staff and Faculty of AI and Data Science department got award for achieving Highest score of Blood donation on 27th Voluntary Blood Donation camp held on 5th Dec 2025 by National Service Scheme, RIT



- Krittika Crowned Miss Teen Universe Karnataka 2025 at Forever Star India Season 5. The grand finale of Forever Star India Season 5 was held on December 21 at Zee Studio, Jaipur. Directed by international choreographer *Shie Lobo*, the event saw *Krittika*, a BTech student from AI DS Department at MS Ramaiah, Bangalore, represent Karnataka and win Miss Teen Universe Karnataka 2025



DEPARTMENT OF MEDICAL ELECTRONICS ENGINEERING

- One-day industrial visit to Panacea Medical Technologies Pvt Ltd, Malur, Kolar District, by students of VII semester on 12/12/25



- One-day industrial visit to Advanced Electronic System and Solutions, Bangalore, by students of III semester on 13/12/25



Publications in National / International Journals

International Journals

- Sweeti, Prathibha T P, "Linear modeling of relationship between EMG and FMG: toward home-based post-stroke rehabilitation" International Jol. Of applied mathematics, Vol. 38, pp. 1066-1077, Nov 2025
- S.J. Mahendra, "Magneto-thermal convective flow in fluid-porous region with heat source sink effects: analytical Study" Ain Shams Engineering Journal, vol. 16, pp. 1-15, Oct 2025

Paper presentation in National /International Conferences

- Punya Prabha, Tejaswini S, et al., "A cross model ensemble learning framework using clinical biomarkers and image fusion", Presented at the 2nd International Conference on emerging Technologies in Electronics and Communication Engineering (ICETE- 2025) held during 12-13 December 2025.

Achievements /Awards /Prizes

- Dr Basavaraj V Hiremath, Assistant Professor-selection Grade awarded as NPTEL DISCIPLINE STAR-JUL-DEC 2025 in computer science Engineering domain from NPTEL, IIT Madras section.

DEPARTMENT OF BIOTECHNOLOGY

External Funded Projects:

- **Dr. Bindu S & Dr. Savita P D Souza**, Characterization of phytase from novel yeasts and strain improvement for the development of high nutrition eco-friendly poultry feed, DST-WOS(A) 03.10.2024, Rs. 41.33 Lakhs.

- **Dr. Chandra Prabha M N & Dr. Harikrishna R**, Sustainable green synthesis of TiO₂ nanocatalysts for visible-light driven degradation of primary microplastics. (EMPRI-GoK), 07.06.2024, Rs.36.28 Lakhs.
- **Dr. Chandra Prabha M N & Dr. Harikrishna R**, designing novel antimicrobial and quorum quenching ceramic coating materials to impede in infections in medical implants. (SPARC-MHRD), 27.07.2023, Rs.54.29. Lakhs.
- **Dr. Abhijith S R**, Role of ZIC1 (Zink finger of the cerebellum) in the progression of triple negative breast cancer, VGST (K-FISTL1),14.02.2022, 15.0 Lakhs.

RIT Seed Fund

- **Dr. Bindu S**, Identification of potential spices extract based drug targets to control clinical isolates of candida tropicalis causing invasive candidiasis, dated 05.02.2025, Rs. 4.45 Lakhs.
- **Dr. Monika P**, Novel therapeutic low cost in situ spray bandage and nano-scaffolds incorporated with nano-phytocompunds with enhanced wound regeneration potential for non-healing diabetic foot ulcers, dated 20.11.2024, Rs. 5.5 Lakhs.
- **Dr. Dhamodhar P**, Optimization and production of cost effective biopolymers from Alcaligenes.sp for exploratory wound healing activity. RIT Seed Fund dated 01.02.2024, Rs. 5.45 Lakhs.
- **Dr. Bhavya S G**, Characterization and structural analysis of mitochondrial proteome of cardiac hypertrophy, dated 01.02.2024, Rs.6.50 Lakhs.
- **Dr. Lokesh K N**, Formulation, development and evaluation of multiphase ultrafine, nutraceuticals to improve bioavailability and ferroptosis activity., RIT Seed Fund dated 01.02.2024, Rs. 5.18 Lakhs.

Publications in International Journals

- Vadappi, B., **Chandraprabha, M. N.**, Usharani, S. R., Reddy, M. H., & Krishna, R. H.- Haloperoxidase-Mimicking Vanadium Doped Cerium Oxide Nanoparticles as a Strategy for Combating Bacterial Biofilms. Journal of Environmental Chemical Engineering, 120390 (Nov 2025)

- Samuel, A. J., Moorthy, S., **Chandraprabha, M. N.**, Sambasivam, R., Prakash, M., Arun, L. & Rajan, H. K.- Sepals of Kigelia africana-derived activated carbon as electrode materials for high-performance flexible supercapacitors. Materials Technology, 40(1), 2563206 Sept 2025).
- Sindhu, O., **Chandraprabha, M. N.**, Divyashri, G., & Murthy, T. K. - Evaluation of anti-inflammatory and neuroprotective effect of walnut shell pectin. Scientific Reports, 15(1), 44583 (Dec 2025).
- **Ravi Kumar, Y. R.**, Bhavana, A. R., Aziz, A., Roy, R., Reddy, A. M., Mahadevappa, P., & Verma, B. - A comprehensive review of ribosomal RNA-derived fragments (rRFs): Emerging insights and future directions. International Journal of Biological Macromolecules, 148265 (Nov 2025)
- Vinod, D., **Ravi Kumar, Y. R.**, Mahadevappa, P., Divya, J., Prabagar, J. S., Khalid, M., & Shivaraju, H. P. - CO₂ capture and light driven photocatalytic conversion into useful compounds using neodymium doped bimetallic metal organic frameworks. Journal of CO₂ Utilization, 102, 103275 (Dec 2025).
- Singh, H. O., **Murugesan, G.**, Varadavenkatesan, T., Selvaraj, R., & Vinayagam, R.- High surface area activated carbon for sustainable tetracycline adsorption: Mechanism, regeneration and efficacy in realistic water matrices. Diamond and Related Materials, 112835 (Nov 2025).
- Singh, H., **Murugesan, G.**, Varadavenkatesan, T., Selvaraj, R., & Vinayagam, R. (2025). Mitigation of phytotoxicity and enhanced removal of tetracycline from wastewater using magnetic activated carbon derived from Peltophorum pterocarpum leaves. Applied Water Science, 15(10), 254 (Oct 2025).
- Juturu, R., Vinayagam, R., **Murugesan, G.**, & Selvaraj, R. (2025). Enhanced adsorptive removal of chromium (VI) ions from wastewater with phosphorus-doped magnetite-carbon composite: advanced statistical physics modeling and kinetic studies. Environment, Development and Sustainability, 1-27 (Oct 2025).
- Sindhu, O., Divyashri, G., **Murthy, T. P** & Chandraprabha, M. N. - Valorising walnut shells for sustainable circular economy applications. Discover Food. (In press) (Nov 2025)

- Yadav, A. K., **Murthy, T. K.**, Vijayarengamani, P., Shukla, R., Nair, S. S., Pattabiraman, R., & Singh, T. R. - Computational screening and identification of functional deleterious nsSNPs in the Human MAOB Gene. In Silico Research in Biomedicine, 100135 (Nov 2025).
- Chalimeswamy, A., Kumar, S., & Abhijith S R. - Programmable materials: A comprehensive review on shape memory polymers for orthopedic applications. Journal of Orthopaedics (Nov 2025).
- Monika, P., Darbha, M., Reneeka, S., Gupta, K., HR, T., Shabi, M., & Krishnamurthy, S.. Rectal drug delivery systems (RDDS) in inflammatory bowel disease (IBD) therapy: current status, challenges and emerging strategies. Journal of Drug Delivery Science and Technology, 107567 (Sept 2025).

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students

- Sindhu Mudagal, III semester won 3rd prize for Powerlifting championship for Women-2025-2026 held on 7th November 2025.
- Samhitha J P, Ravisagar K and Zayaan Hussain, VII semester won 1st prize for Poster presentation during "Paryavaran-2025", workshop on Environment and Green Energy on 15th September 2025 at RIT, Bangalore.
- Krithika Nandhini and Zayaan Hussain, VII semester, granted UK Design Patent entitled "Portable Triple-Action Ear Cleaning Device" Design number: 6483864, Grant date: 11th November 2025.
- Vihaan H Raju, I semester, won 1st place, Research Poster Presentation, "Yuvaneeti 25", Intercollegiate Fest organized by St. Joseph University on December 18, 2025.

DEPARTMENT OF MATHEMATICS

- Prize Distribution Ceremony of Annual Mathematics Quiz (MQ & MQ+)-2025 for I & II year B.E. students on Friday, 19.12.2025



Publications in (National / International) Journals

- **Dr. Vijaya Kumar:** Convective Stability in Porous Structures for energy and Biosensing applications using Viscosity - driven flow control and Couple - Stress fluid, Journal of Case Studies In Thermal Engineering, Vol. 75, Page No.107189(1 - 13), October 2025
- **Dr. Praveena M M:** Stability of Plane Poiseuille Flow of Casson Fluid Through a Porous Medium With Magnetic and Slip Effects, Journal of Fluids Engineering, Vol. 148, Issue 3, Page No.31301, November 2025
- **Dr. Shashi Prabha Gogate S & Dr. Bharathi M C:** Stability of Plane Poiseuille Flow of Casson Fluid Through a Porous Medium with Magnetic and Slip Effects , Journal of Fluids Engineering, Vol. 148 (3), November 2025
- **Dr. Kalpana G:** he unified impact of inclined magnetic field and temperature-oriented thermal conductivity on Carreau flow through an oblique stretching cylinder, Chemical Engineering and Technology, Vol. 48 (12) , Page No. e70134 , December 2025

DEPARTMENT OF ARCHITECTURE



- Students of the 5th semester were taken for a site visit to A Chancery Hotel on 10th October 2025 to gain practical exposure to hotel planning and design requirements, with a focus on spatial organization, functional zoning, and the operational aspects of hospitality architecture.



- Students from 7th semester visited Hettich Experience Center on 15th October and 3rd December 2025 to understand hardware solutions for kitchens, wardrobes, and other interior elements.



- First-semester students, 30 in number, were taken for a site visit to the Shree Someshwara Swamy Temple on 19th November 2025 as part of the subjects Art in Architecture and Measured Drawing, to study the influence of art on architectural details and proportions.
- Students from 1st semester, 30 in number were taken for a site visit to the Kadu Malleswara temple on 20th November 2025 as part of the subjects Art in Architecture and Measured Drawing, to study architectural details, proportions, and traditional

construction techniques through on-site observation and documentation.



- Fifth semester students were taken on a study tour to North India from 18th to 22nd November 2025, during which they visited Agra, Fatehpur Sikri, Jaipur, and Chandigarh. The tour included visits to landmark structures such as the Taj Mahal, Fatehpur Sikri complex, City Palace, the Capitol Complex and so on. The students studied architectural styles, spatial planning, structural systems, urban design principles, and the historical and cultural contexts of these iconic buildings.



- Third semester students were taken on a study tour to Hampi, Badami, and Bijapur from 17th to 22nd November 2025. The tour included visits to significant heritage sites such as the Virupaksha Temple, Vittala Temple, Hampi Bazaar, Badami

Cave Temples, Pattadakal group of monuments, Gol Gumbaz, Ibrahim Rauza and so on. Students studied temple architecture, structural systems, spatial organization, proportions, ornamentation, and the historical evolution of Deccan architecture through on-site observation and documentation.



- Students from 7th semester visited Ramaiah Law college auditorium on 26th November 2025. Acoustic engineer Mr. Stephen Jaikumar, the principal engineer from the company Sounds and Pixels and the project manager, Mr. Adithya explained the details of interior construction and acoustic design for auditoriums.



- Terrain – a three-day landscape workshop on the theme Ecological Conservation was conducted from 10th to 12th December 2025. The workshop comprised expert lectures, a hands-on bamboo workshop, cultural programmes, ecological site visits, and a planting drive, providing participants with a comprehensive understanding of sustainable landscape practices.



- An open seminar was conducted for students of 9th semester as part of the dissertation course. The student researched topics related to their final design project and presented their research on 3rd and 10th December 2025. The sessions covered diverse themes including sustainability in architecture, health and well-being, user experience and architecture, social aspects of architecture, architecture and identity, systems in architecture.



- Post graduate students of Advanced Architecture and Landscape Design were taken on a site visit to the Prestige Lakeside Habitat Villas, located in Varthur, Bengaluru on 16th December 2025. They studied innovative construction techniques and learnt how villas can be assembled using prefabricated components produced through 3D printing.



- Ar. Keith Pillow and Ar. Deviprasad Kateel from the international firm DAA HAUS Ltd. visited the School of Architecture, Ramaiah Institute of Technology on 20th December 2025. They interacted with both faculty and students and discussed global trends in the architecture industry. They also reviewed students' projects and provided constructive feedback on their works.



- Students and faculty of School of Architecture, Ramaiah Institute of Technology celebrated the inauguration and launch of the department festival 'Inspirit' on 26th December 2025. Along with some cultural performances, the various events and schedules of the festival were introduced. The students and faculty showed great enthusiasm by dressing in the inspirit colours of red, white and black.



- A site visit was organized for first-year students of the School of Architecture, Ramaiah Institute of Technology to the Model Timber Houses at Mathikere

on 30th December 2025. The visit aimed to introduce students to timber construction and enhance their understanding of sustainable building practices, material application, and spatial organization through direct observation and interaction with built examples.



Publications in (National / International) Journals

Faculty

- **Divya Susanna Ebin** - 'Transit Oriented Urban Design Strategies for Tier 2 Indian Cities: Lessons from Kochi', Gradiva Review Journal, Vol.11 No. 11, (2025), pp 283-288.
- **Amala Anna Jacob** - 'Student Perceptions of concept mapping A Review of current trends', Gradiva Review Journal, Vol.11 No. 11, (2025), pp 153-158.
- **Divya Susanna Ebin** - 'Activity Generators near Neighbourhood Parks: An Urban Design Study of Bengaluru', Gradiva Review Journal, Vol.11 No. 12, (2025), pp 312-317.
- **Amala Anna Jacob** - 'Exploring the role of analytical drawing as a tool for architectural inquiry, critical thinking and creativity', Goya Journal, Vol.18 No. 12, (2025), pp 472-476.

Guest Lecture/s – Invited

- **Ar. Nidhi Gulati**, Director, Sustainability & Social Impact Philips, Amsterdam North Holland, Netherlands- 'Building a Sustainable & Human Centred Future', 15-10-2025
- **Ar. Sacheth Ullal**, Architect, Urban Designer, Academician- 'From Concept to completion : Navigating Architectural Design Project (Thesis) ', 16-10-2025
- **Ar. Thiagarajan Rajagopalan and Er. Mahesh Kumar**, Principal Architect, Space Design and HVAC Consultant- 'Central Air Conditioning System - What Architects Should know', 17-10-2025

- **Ar. Rohan Shirodkar**, Director, RSP Design Consultants- 'Design Strategies for 4 star Hotel', 18-10-2025
- **Ar. Deepa J Praveen**, Principal Architect Absolute Architects and Designers, Bengaluru- 'Designing for Patient Centered care: Spatial Strategies', 04-11-2025
- **Dr. Sairam Bhat**, Professor of Law Co-Director of CEERA Faculty Advisor of NLSIU- 'Public Policy in Architecture', 05-11-2025
- **Ar. Jithin Rene Matthew**, Founder and co-owner of JM Architect and Designers- 'The future of Rendering: Workflow in D5 render', 14-11-2025
- **Dr. K S Anantha Krishna**, Architect, Academician- 'Introduction to Indian Architecture', 15-11-2025
- **Ms. Divya Chaubey**, Knauf Ceiling Solutions, Bangalore- 'Applications of False Ceilings in Architecture', 08-12-2025
- **Dr. Arvind Bhashyam**, Bureau Veritas Group- 'Structural Design in Tall Structure', 11-12-2025
- **Ar. Indranil Bhattacharya**, Technical Advisor, BRAE Consulting Services Pvt. Ltd- 'Design of Water Supply and Sanitation Systems for Residential Buildings', 13-12-2025
- **Ar. Vinitha M. and Ar. Srijan Dwivedi**, CarbonCraft Design, Bangalore- 'Sustainable Building Material', 19-12-2025
- **Ar. Keith Pillow**, Founder and Creative Director, DAAA HAUS Ltd., Milano, Malta, Ragusa, Mumbai- 'An Industry Collaboration', 20-12-2025

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students

- **Manoj K**, a 1st semester student, won 2nd place in the event Canvas Craze (Painting) at the inter-collegiate competition held at RV College of Engineering on 6th December 2025.
- **Sumanth BR, Nidhishree J, and Akhileshwar M**, PG 1st year students, won 1st place at the national-level urban mobility design competition Design First Pod, held at SMVCE School of Architecture on 17th December 2025.

- School of Architecture, RIT celebrated Diwali and Dussehra on 7th November 2025. The festivities were marked by a mix of traditional and contemporary performances. The students decorated the festival space with traditional lights and installations. They were cheered enthusiastically by the audience for a wonderful performance.



DEPARTMENT OF PHYSICS

Guest Lecture

- A one-day guest lecture + demo session on QNIVERSE-A Quantum Computing platform was organised by Department of Physics on 10.10.2025. **Dr. Naresh Raghava and Dr. Harishankar from C-DAC Bengaluru** were the resource persons who gave an overview of Qniverse's capabilities, use cases and future directions towards development and deployment of quantum applications in fields ranging from cryptography to artificial intelligence.

Publications in (National/International) Journals

- C. Aparna, M. G. Mahesha, N. Karunakara, I. Yashodhara, and Pramoda Kumara Shetty. 2025. Micro-structure modifications and assessment of radiation tolerance in W-doped In_2O_3 thin films exposed to high-dose gamma irradiation. Journal of Materials Science: Materials in Electronics, Vol. 36: 2000, (2025).
- Abhishek Hiremath, Jayadev Pattar, S. Sarvesh Chandra, H.N. Anil Rao, R. Sreekanth, **K. Mahendra**, S.R. Manohara. 'Facile design of PANI/G-CN/WO3 nanocomposites with integrated photocatalytic and dielectric functionalities. Journal of Physics and Chemistry of Solids, Vol. 209 (2025), pp. 113305.
- D. Kavyashree, **K. Mahendra**, Kartik Gopal, D.V. Sunitha. Next-generation PPy/ZnO nanocomposites: In situ synthesis and enhanced visible-light-driven photocatalytic degradation of organic pollutants and

detection of dopamine. Optical Materials, Vol. 170 (2025), pp. 117711.

- Sarvesha Chandra Shyagathur, Abhishek Hiremath, Jayadev Pattar, Sreekanth R, **K. Mahendra**, H.N. Anil Rao. Visible light harvesting using ZnS/rGO/g-C₃N₄ heterojunction for crystal violet dye degradation: kinetic and mechanistic insights. Ceramic International, Vol. 52, pp. 1818–1830.
- **M R Ambika**, N Nagaiah, M B Karthik Kumar, 'Radiative Protective Qualities of Natural Rubber Based Polymer Composites' Natural Rubber Based Composites and Nanocomposites, (2025) 187-224.

Paper presentation in National / International Conferences

- **Yashodhara I**, Jayadev Pattar, **Mahendra K**, and Sudeep Kumara K. UV - Driven Photocatalytic Activity of Polyaniline-SnS₂ Composites for Brilliant Green Dye Degradation. International Conference on Advancing Sustainability through Multidisciplinary Research and Innovation. Held at GM University, Davanagere, during 6th – 8th November, 2025.
- Sudeep Kumara K, **Yashodhara I**, **Mahendra K**, and Jayadev Pattar. Enhanced Visible-Light Driven Photocatalytic Degradation of Methylene Blue Using CuS/rGO/GCN Nanocomposite. International Conference on Advancing Sustainability through Multidisciplinary Research and Innovation. Held at GM University, Davanagere, during 6th – 8th November, 2025.
- **Mahendra K**, Jayadev Pattar, **Yashodhara I**, and Sudeep Kumara K. Polyaniline-Based PANI/GCN/Cr₂O₃ Nanocomposites for Efficient Photocatalytic Degradation of Indigo Carmine. International Conference on Advancing Sustainability through Multidisciplinary Research and Innovation. Held at GM University, Davanagere, during 6th – 8th November, 2025.
- **Sherry Shajan Kuttakaran**, **Ambika M. R**, Nagaiah N and **Pramod A C**, Design and Characterization of Silicone rubber based Bilayered Radiation Shielding Composites for Clinical Applications, International Conference on Emerging Frontiers in Material Science and Radiation Physics (ICEMR-2025), Sri Bhagawan Mahaveer Jain First Grade College, Kolar Gold Fields, Karnataka, 22- 23 December 2025.

- **B. P. Srilakshmi**, **M. R. Ambika**, **A. Jagannatha Reddy**, Yeshwanth H Reddy, N. Nagaiah, Fabrication and characterization of WO₃/Gd₂O₃/Silicone based lightweight polymer composite gamma radiation shields, International Conference on Emerging Frontiers in Material Science and Radiation Physics (ICEMR-2025), Sri Bhagawan Mahaveer Jain First Grade College, Kolar Gold Fields, Karnataka, 22- 23 December 2025.
- **Yeshwanth H Reddy**, **Ambika M R**, **Subramanian K R V**, Hemalatha Krishna Naik, Basavaraja B M, **Srilakshmi B P**, and Nagaiah N, TiO₂ Anchored MXene Composites for Next-Gen Supercapacitor Electrodes, International Conference on Emerging Frontiers in Material Science and Radiation Physics (ICEMR-2025), Sri Bhagawan Mahaveer Jain First Grade College, Kolar Gold Fields, Karnataka, 22- 23 December 2025.
- **Pramod A C**, **Ambika M R**, Nagaiah N, and **Sherry Shajan Kuttakaran**, 'Geant4-Based Evaluation of W-Bi-Sb reinforced tri-layered LSR composites for photon attenuation', International Conference on Emerging Frontiers in Material Science and Radiation Physics (ICEMR-2025), Sri Bhagawan Mahaveer Jain First Grade College, Kolar Gold Fields, Karnataka, 22- 23 December 2025.

Funded Projects

- **Dr. Sandhya K L** – 'Liquid crystal as matrices for nanomaterial assembly-manipulation' Science and Engineering Research Board (SERB) (Ongoing) **Grant: Rs. 29.52 lakhs**
- **Dr. Ambika M R** - 'Radiative protective qualities of wearable, non-toxic & layered polymer composites with multifillers' Department of Atomic Energy, Board of Research in Nuclear Sciences (Ongoing) **Grant: Rs. 39.66 lakhs.**
- **Dr Anil Kumar G N** - 'Development of MOF-derived and spinel-based Metal Oxides for battery applications' RIT SEED GRANT (Ongoing). **Grant: 5.5 lakhs.**

Achievement/s, Awards/Prizes by Faculty/ Staff/ Students:

- **Mr. Pramod A C** has been awarded **Best Oral presentation Award** for presenting his research work at International Conference on Emerging

Frontiers in Material Science and Radiation Physics
ICEMR 2025 held during 22-23 December 2025.

DEPARTMENT OF CHEMISTRY

Publications – Sampige (October to December - 2025)

- Savitha Hosamane, **Nagaraju Kottam**, Aishwarya Chalil Suresh, Mallappa Mahanthappa, Mohd Afzal – 'Multifunctional MOF-5@ ZnCo₂O₄ Composite for Photocatalytic Dye Degradation of Crystal Violet Dye and Electrocatalytic Applications: Hydrogen Evolution Reaction and ...', International Journal of Topics in Catalysis, 2025/10/14, Pg.: 1-17, Q2, Eng.J.
- Roopashree B. N, Gurushantha K, Nagaraju Kottam**, Ashly Panichithadathil Chandran, Meena Subramaniam, Keshavamurthy Kempaiah – 'S-Scheme ZnO/g-C₃N₅ Visible Light Active Photocatalyst for Rhodamine B Dye Degradation and Hg Sensing Applications' International journal of Applied Science and Engineering Progress, Vol. 18(4), 2025/10/20, pg. 7783-7783, Q2, Eng.J.
- M Praveen, **R Hari Krishna**, EV Bhavya, Balamati Choudhury, **BM Nagabhushana** – 'Magnetic SrFe₂O₄ and Conductive MWCNT/Graphene in Low-Density Polyethylene Nanocomposite for Superior EMI Shielding Performance: Investigation on The Synergistic Behavior of ...', Journal of Ceramics International, Vol. 51, Issue 24(A), Oct. 2025, Pg. 41959-41972, Q1, Eng.J.
- Arpita Paul Chowdhury, **Sampath Chinnam**, KS Anantharaju, B Sharath Kumar, K Keshavamurthy, **K Gurushantha** – 'Gd³⁺ doped CoFe₂O₄ coupled with bismuth oxybromide for visible-light-driven removal of organic contaminants: Reactive Red 120 and Acid Violet 7 and its ...', International JOURNAL OF RARE EARTHS, Vol. 43(10), 2025/10/1, Pg. 2166-2176, Q1
- Shashank Puttaswamy, **Murali Krishna Panchangam, Nagaraju Kottam**, KR Pooja, G Nagaraju – 'Fabrication of cost-effective biogenic assisted synthesis of ultrafine copper Molybdate (α-CuMoO₄) nanoparticles: Characterisation and exploration of their optical, and ...', International journal of Results in Chemistry, Volume 18, November 2025, 102777, Q2
- Harsh Desai, Rohit Dutta, Tanushka Florence Panicker, **Sampath Chinnam**, Ranjeet Kumar Mishra, Srinivas Kini Manjeshwar, Pradeep Kumar – 'Catalytic co-pyrolysis of waste pistachio nutshells and polystyrene: optimisation of parameters, and catalyst loading on the products yield and composition', International journal of RSC advances, Vol.15(52), Nov. 2025, Pg. 44691-44710, Q1.
- Sara Zahid, **Sampath Chinnam**, A. Ahmed, S.M. Masaud, B. Khurshid, S. – 'RSM-Based optimization of dose response and antibacterial potential of cannabis sativa (L.) leaves using computational analysis', International journal of Dose Response, Vol. 23(4), 2025/11/26, Pg. 1-21, Q2, Eng.J.
- Ranjeet Kumar Mishra, D. Jaya Prasanna Kumar, **Sampath Chinnam**, Ravi S, A. Sharma, .. – 'Recent progress in post-modified biochar-based material for supercapacitor applications: a review', International journal of Materials for Renewable and Sustainable Energy, Vol.14, (63), 2025, Q1.
- Sukunya Areeya, Diana Jose, Suksun Amornraksa, Atthasit Tawai, Prapakorn Tantayotai, Dillirani Nagarajan, **Nagaraju Kottam**,... – 'Synergistic Effects of Ultrasound and Deep Eutectic Solvent Pretreatment on Sugarcane Leaves Bioconversion to Ethanol', International BioEnergy Research, Vol. 18(1), 2025/12, Pg. 1-16, Q1, Scopus, SCIE.
- Savitha Hosamane, **Nagaraju Kottam**, Aishwarya Chalil Suresh, Mallappa Mahanthappa, Mohd Afzal – 'Effective Congo red dye adsorption using mesoporous zinc-based metal organic framework in aqueous media: kinetics and mechanism studies', International journal of Green Chemistry Letters and Reviews, Vol. 18(1), 2025/12, Pg. 2596428, Q1.
- T Maruthi, RB Akash, **BC Yallur** – 'Thiazoles: Synthesis, biological activities and their interaction studies with serum albumins', International journal of Total Chemistry, Vol. 1, Dec. 2025, Pg. 100006.
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- A John Samuel, Sasikumar Moorthy, MN Chandraprabha, R Sambasivam, M Prakash, Lija

- Arun, S Manjunatha, **R. Hari Krishna** – 'Sepals of Kigelia africana – derived activated carbon as electrode materials for high-performance flexible supercapacitors', International journal of Materials Technology, Vol. 40(1), 2025/12/31, Pg. 2563206, Q1, Eng.J.
- Bhargavi Vadappi, MN Chandraprabha, SR Usharani, MV Hemantha Reddy, **R Hari Krishna** – 'Haloperoxidase-Mimicking Vanadium Doped Cerium Oxide Nanoparticles as a Strategy for Combating Bacterial Biofilms', International Journal of Environmental Chemical Engineering, Vol. 13(6), Dec. 2025, Pg. 120390, Q1, Eng.J.
 - Prakash Monika, **R Hari Krishna**, Anirudh Bantwal Baliga, K Ravisagar, Rupam Sinha Roy, KC Lalitha, S Girish Kumar - 'Unveiling new frontiers in advancements of metal oxides nanoparticles (ZnO, TiO₂, CuO and Ag₂O) and their hybrids for antibacterial applications: A Review on mechanistic ...', International journal of Hybrid Advances, Vol.11, Dec. 2025, Pg. 100522, Q2.
 - GM Mamatha, Pradipkumar Dixit, **R Hari Krishna** - 'Design and optimization of flexible PVDF composite films for attenuation of microwaves in X and Ku bands: the role of magnetic NdFeO₃ and dual carbon fillers', International journal of Materials Technology, Vol. 40(1), 2025/12/31, Pg. 2528772, Q1, Eng. J.
 - V.S. Anusuya Devia and P.K. Asha S. Shashidhara, Vidyavati A. Shastryb, **K. Gurushantha***, K.S. Ravindra – 'Density Functional Theory Approach on the Mechanism of Uncatalysed Oxidation of 4-[(4-Methylphenyl) amino]-4-oxobutanoic Acid by Alkaline Potassium Permanganate', International journal of Physical Chemistry Research, Vol.13(4), 2025/12, Pg. 743-754, Q3, Eng.J.
 - CR Santhosh, **Sampath Chinnam**, Hrushikesh S Chaudhari, Kondapalli Venkata Gowri Chandra Sekhar, Gbolahan O Oduselu, Vishal Ahuja, .. – 'Eco-friendly polyethylene glycol (PEG-400): PEG mediated synthesis, in-vitro, molecular dynamics, DFT, docking, ADMET and MM-GBSA studies of novel sulfonamides as potential ...', International Journal of Molecular Structure, Volume 1346, 5 December 2025, Pg. 143201, Q2.

DEPARTMENT OF CIVIL ENGINEERING



- The site visit was organized for 3rd and 5th Semester students on 27th and 28th November 2025, to help them to understand the techniques used for effective treatment of water, followed by conveyance of water from treatment plant. Location - Thoraikadanahalli, Kaggalipura, Karnataka.

Publications in National/ International Journals:

- J. Lurdhumary, **Suguna B. Rao**, S. Nooray Sashmi, Praveen Vundrajavarapu, V.G. Pratheep, G. Nixon Samuel Vijayakumar, V. Pandyaraj, K. Manimekalai, Zakir Hussain – 'Electroactive Graphene-Polymer Nanocomposites for Self-Sustaining and Multifunctional Flexible Devices' Journal of Polymer and Composites, vol. (13), 2025, pp 260 – 271.
- A.S. Ashwini, V. Rajesh Kumar, R. Gandhimathi, **Addagada Lavanya**, S. T. Ramesh – 'Treatment of atrazine-contaminated wastewater via heterogeneous Fenton and heterogeneous photo-Fenton processes' Journal of Environmental Science and Health, Part A (Toxic/Hazardous Substances and Environmental Engineering), Vol. (60), (2025), pp 405 - 416.
- Addagada Lavanya** – 'Investigation of thermal degradation pathway and kinetics of struvite recovered from dairy wastewater via thermogravimetric studies' Journal of Thermal Analysis and Calorimetry, 2025.

Paper presentation in National/International Conferences:

- Ashwini D, M.S. Nagakumar and **Vivek R Das** – 'Assessing Vehicle Actuated Signals Using Indo-HCM Methodology in Urban Indian Traffic', International

Conference on Transportation Research Efforts for Ecological Sustainability (TREES 2025), VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad and CSIR - CENTRAL ROAD RESEARCH INSTITUTE (CRRRI) New Delhi, OCT 2025.

- **Vivek R Das**, Bhavya Shri N – 'Weaving dynamics at roundabouts in congested urban networks – A Statistical appraisal', International Conference on Transportation Research Efforts for Ecological Sustainability (TREES 2025), VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad and CSIR - CENTRAL ROAD RESEARCH INSTITUTE (CRRRI) New Delhi, OCT 2025.
- **Devanahalli Nagaraj Shilpa**, Lakshman Nandagiri, Hassan R Shwetha – 'Estimation of Actual Evapotranspiration: A state-of-the-art review', Symposium on River Health Evaluation and Protection (RHEAP 2025) organised under the Centre for Krishna River Basin Management and Studies (cKrishna) Initiated by Department of Water Resources, River Development and Ganga Rejuvenation, Ministry of Jal Shakti (Through National River Conservation Directorate), NITK, Surathkal, 29th to 30th December 2025.
- Harini B S, **Asha M Nair** – 'Steel Slag as a Potential Replacement for Conventional Fine Aggregates in Concrete', International conference on NHCE-SIMET 2025, Department of Civil Engineering, Manipal Institute of Technology, Manipal, Udupi, 30th to 31st December 2025.
- **Gnana Jency Salete Mary G, Rakshit Kumar B Timmapur, R. Mourougane** – 'Analysis of restrained Two-way geopolymers concrete slab – Finite Element Approach' International conference on NHCE-SIMET 2025, Department of Civil Engineering, Manipal Institute of Technology, Manipal, Udupi, 30th to 31st December 2025.

Guest lecturers- invited:

- **Er. T S Ramesh**, General manager, Tata Consulting Engineers, Bangalore – Pile integrity test as a tool for quality control in piling works, 27-11-2025.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Guest lecturers- invited:

- Invited Technical Talk on **"Transforming the Enterprise with the Intelligent Product Lifecycle."** The talk was held on 3rd December 2025, from 11:45 AM to 1:00 PM at LHC 507, Department of ETE. It was organized by the Department of Electronics & Telecommunication Engineering. The event was conducted in association with IETE RIT ISF Chapter, IIC RIT, and IEEE RIT.

MASTER OF COMPUTER APPLICATIONS

- Two - Day: Student Development Programme on Design Thinking and Agile Methodologies Applied in Software Engineering.



- The Department of MCA at Ramaiah Institute of Technology, in association with the Computer Society of India, organized a Student Development Programme on "Design Thinking and Agile Methodologies Applied in Software Engineering" on 4 and 9 December 2025 for III-semester students. The session was delivered by Jatindra Verma, focusing on design thinking and aligning academic learning with industry expectations.
- **Two-Day Hybrid Hackathon: Hackquest Limitless Mind**



- HackQuest: Limitless Minds was a two-day hybrid hackathon held on 15-16 December 2025 at Ramaiah Institute of Technology in collaboration with the Departments of ISE and AI & DS. Participants developed software solutions from given problem statements and presented their projects. The event offered a ₹24,000 prize pool, with 17 active teams participating from MCA and engineering departments.

Guest Lecture delivered by the department faculty – Name (bold), Title of the talk, Venue, Date, etc.

- Dr. Manjunath M - FDP on Practical Computer Networking and GNS3 - Based Network Simulation, NMAMIT, Nitte, Udupi, from 22-12-2025 to 24-12-2025.

MASTER OF BUSINESS ADMINISTRATION



- Finance Summit 2025 - "Finance 3600: Navigating the Next Wave of Financial Transformation in India" was conducted on 25th & 26th November 2025. Prof. N.S.R.Murthy, Former Dean & Registrar, HBS: Business Partner, Motilal Oswal Financial Services Ltd., Ms. Shree Raksha. R, Business Manager, Former Assistant Professor- Sky Bird Aviation College, Mr. Rajesha. H.G, Principal Consultant, Infosys Finance, Mr. S. Anand Murthy, Samin Advisors Pvt. Ltd.,

Publications in (National /International) Journals

- Dr. Rizwana. M, Dr. Pallavi. B, Dr. Deepak. R - "Understanding the Drivers of intermittent fasting adoption in middle adulthood", Food Research, Vol.9, No.5, P.No. 80-86, October 2025
- Dr. Pallavi. B, Dr. Rizwana. M – " From Hive to Market: Navigating the sticky road for honey and spice (H&S)", Emerald Emerging Market Case Studies, Dec 2025, <https://doi.org/10.1108/EEMCS-06-2024-0245>.
- Dr. A. Mahalakshmi, "Explainable Artificial Intelligence (XAI) in Psychometric modelling: Improving transparency and Fairness in algorithmic personality predictions", TPM, Vol.32 (s7), November 2025.
- Dr. A. Mahalakshmi, "Digital Transformation Public HRM: Leveraging Business Analytics and Computational; Models for Sustainable Local Government Management" Advances in Consumer Research, Vol.2(5), November 2025.
- Dr. Bharath Sankar. S, "A conceptual framework for lean production system adoption in SMEs: integrating TISM, MICMAC, and machine learning-based K-means clustering", OPSARCH, <https://doi.org/10.1007/s12597-025-01048-z>

Guest Lectures Invited:

- Dr. Niharika Mishra, Marketing Head, Ramaiah Institute of Management- "Building Strong Digital Presence through SEO and SEM" on 23-12-2025.
- Ms. Susheela Bhat, HR Executive Fly91- "Expectations from the Aviation Industry: An HR Perspective" on 15-10-2025.

Achievements, Awards/Prizes by Faculty/Staff/Students:

- Mr. Manoj M.S. secured First Prize in the Visvesvaraya Technological University Bangalore Central Division Cricket Tournament held at East Point College of Engineering and Technology from 6–11 November 2024.
- Mr. Adarsh N. successfully completed the National Institute of Securities Markets Series V-A: Mutual Fund Distributors Certification Examination on 31th October 2025.
- Ms. Nishchita C.A. successfully completed the National Institute of Securities Markets Series V-A: Mutual Fund Distributors Certification Examination on 31th October 2025.
- Ms. Himani Mendon secured Runner-up in the State-Level Open Inter-Collegiate Women's Basketball Tournament held on 15 November 2025.
- Ms. Himani Mendon secured Runner-up in the Intercollegiate Division-Level Basketball Tournament 2025–26 held at Government Arts College on 19 November 2025.
- Ms. Hamsa R.N. secured Runner-up in the Intercollegiate Division-Level Basketball Tournament 2025–26 held at Government Arts College on 19 November 2025.
- Ms. Hamsa R.N. won the Winner's Trophy in Kreedotsav-25, a State-Level Inter-Collegiate Sports Fest, in the Ooman Mathew Memorial Women's Basketball Tournament held on 24 November 2025.
- Ms. Himani Mendon won the Winner's Trophy in Kreedotsav-25, a State-Level Inter-Collegiate Sports Fest, in the Ooman Mathew Memorial Women's Basketball Tournament held on 24 November 2025.

RANK HOLDERS



FARHANA KOUSAR
USN - 1MS23BA025
Rank - I



MANASA.K.R
USN - 1MS23BA041
RANK - II



BINDHU.N
USN - 1MS23BA017
RANK - III



SRUJANA PRAMOD
USN - 1MS23BA099
RANK - IV

DEPARTMENT OF HUMANITIES

Publications in (National /International) Journals:

- **Dr. Udayakumar H. M.**, Nazeer, Irshad- "Impact of Digital Workplace on Employees' Efficiency and their Usage of Digital Tools in IT Industry", International Journal of Business Innovation and Research, Vol. 38, Issue 4, 2025, pp. 471–487. ISSN: 1751-0252, 1751-0260. Published by SAGE Publishing / Inderscience Enterprises Ltd. Impact Factor: 2.368, Scopus Indexed, H-Index: 23, SJR Journal: Q3. DOI: 10.1504/IJBIR.2022.10053389.

Books Published

- **Dr.Udayakumar H. M.**, Dr. Rajashekhar M N, "Soft Skills for Employability", First Edition, 13 September 2025, 148 Pages, P-ISBN: 97881-983111-0-8, Published by SAMVN Publication.
- Dr. Rajashekhar M N, **Dr. Udayakumar H. M.**, "Communication Skills for Employability", First Edition, 15 October 2025, 210 Pages, P-ISBN: 97881-983111-0-8, Published by SAMVN Publication.

DEPARTMENT OF EXTRA CURRICULAR ACTIVITIES

- **Street Act:** Chiraranga, RIT's premier Kannada Theatre Club under DECA, partnered with Sa-Mudra Foundation (suicide prevention NGO) for street plays promoting mental health awareness. Performances: Sept 16 at Sankey Tank; Sept 25 at RMV Boulevard Park; Oct 19 at Lalbagh Bonsai Garden. Using Kannada theatre's "Third Space," students addressed stigma, crisis intervention, and youth resilience.
- Key learnings: Empathy via roles, public engagement tactics, help-seeking barriers, cultural resonance. Sa-Mudra CEO Bharati Singh praised: "Theatre pierces stigma, potentially saving lives."



- **Kannada Rajyotsava 2025**, themed "Pada Pada Janapada," was flawlessly organized on 25th Nov 2025 at RIT. A record 25-ft-high chariot celebrated Kannada heritage. Objectives: Promote cultural pride, student participation, Karnataka's diversity, and creativity. Over 1,200 attended; 140+ performed in cultural programs; 310+ competed in prior events. The spectacle fostered awareness and artistic expression among students and faculty.

Chief guest of the function:

- Savitha Ganesh Prasad, also known as Savithakka, is a prominent Indian folk singer celebrated for her performances in an earthy voice and her work with her "Savithakkana Alli Band". She is also a versatile theatre and playback singer who has received recognition from All India Radio and Doordarshan, performed internationally, and runs the Avva art space to promote various art forms.

Guest of honor:

- Vidwan M S Govindaswamy is a prominent Carnatic violinist and one of the earliest artists to demonstrate the full potential of the violin in South Indian classical music.



- **Prayag:** The Team Prayag energized the occasion with dynamic and colorful dance routines, showcasing contemporary Karnataka's popular culture through energetic choreography.
- **IMT:** The Indian music team offered a harmonious blend of classical and contemporary songs, reflecting the diversity and richness of Karnataka's musical traditions with special emphasis on Karnataka's heritage.
- **Lasya:** The Team Lasya presented elegant semi-classical dance performances that bridged classical traditions with expressiveness, adding grace and cultural depth to the event.



- The successful completion of Kannada Rajyotsava 2025 reflects the commitment of the department and student community in preserving and celebrating regional culture. The organizing committee extends sincere appreciation to the faculty coordinators, cultural teams, student participants, and volunteers whose contributions ensured the event's success.



**Kannada Maathe
Bhuvaneshwari
Thayi Chariot.**

DEPARTMENT OF LIBRARY

- On 16th October 2025, the RIT Library, in association with the Doctoral Programmes, jointly organized a workshop titled "Artificial Intelligence and Academic Integrity: What You Need to Know" that was held at Seminar Hall-2. The workshop was attended by 150 participants. Eminent speakers are Prof. Rajasab A. H., CRA, GEF (Engg &GS), and Mr. Akshay Prasanna, Consultant –Turnitin, and Dr. K R Mulla, Chief Librarian, RIT, who delivered their lectures on the importance of academic integrity, ethical research practices, and explained citation methods for research papers and books as part of the academic integrity session. Mr. Akshay Prasanna provided valuable insights into the role of artificial intelligence in academia, plagiarism prevention, and best practices for maintaining originality and research ethics using advanced tools.



- On 08th December 2025, the RIT Library, in collaboration with the RIT Quiz Club & Studio, organized The Creative Event at ESB Seminar Hall-2. The workshop was attended by 130 participants. The Event has been conducted through a Quiz and a Knowledge Canvas.



- On 11th December 2025, the RIT Library, in collaboration with the IEEE Sensors Council, organized under Sensory Week, "The Triad of Modern Chip Design: An Industry Perspective on AI, Reliability, and Ultra-Low Power," at ESB Seminar Hall-1. The workshop was attended by 110

participants. Mr. Lakshmanan Balasubramanian has delivered a lecture on the new silicon frontier, automotive applications, and the AI revolution in IC design.



- On 12th December 2025, the RIT Library, in collaboration with IEEE & Debsoc, organized "Debate Competition" at ESB Seminar Hall-2. The Debate was attended by 121 participants. There were three-round debates featuring Turncoat, Crossfire, and British Parliamentary formats to promote critical thinking. Topics ranged from public libraries evolving into digital hubs to restricting AI in creative writing.



- On 13th December 2025, the RIT Library, in collaboration with the IEEE Sensors Council, organized Sensory Week: "Radar Systems & Emerging Technologies" at ESB Seminar Hall-2. The workshop was attended by 139 participants. Mr. Praveen Natrajan delivered a lecture on the fundamentals of mmWave Radar and ADAS automotive applications, and included a live demo of an IWR device.



- On 13th December 2025, the RIT Library organized "Movie Day" at the Apex Auditorium, featuring the movie Dead Poets Society. The movie was screened by 137 participants, and the event fulfilled its objective of combining entertainment with intellectual enrichment.



- On 15th December 2025, the RIT Library, in collaboration with the IEEE Sensors Council, organized under Sensory Week "Entrepreneurship

in Core Tech" at ESB Seminar Hall-1. The workshop was attended by 147 participants. Mr. Sridhar Rayasam (VP, Optimus Logic) delivered his lecture on emphasizing the "Product Mindset" over the "Project Mindset" and validating ideas against real-world problems.



- On 17th December 2025, the RIT Library organized the PG Students Orientation Program by IEEE & EBSCO at ESB Seminar Hall-2. The orientation was attended by 111 participants. Sessions: Library Overview by Dr. K.R. Mulla on collections and services, IEEE Xplore: by Dr. Dhanu Pattansetti on tracking trends and publishing, and EBSCO: Mr. M.S. Srinivasa on advanced search strategies and the mobile app.



NSS

- On September 25, 2025, Ramaiah Institute of Technology's NSS wing organized a Health Check-up Camp for staff in the LHC basement (9:30 a.m.-4:30 p.m.). Volunteers managed registration, announcements, and smooth flow across slots to avoid crowds. Services included General Medicine, Orthopaedics, ENT, Ophthalmology, Surgery, OBG (in seminar hall), Dermatology, ECG, Oncology (in dedicated bus), and RBS/BP tests. The event promoted wellness, showcasing NSS's commitment to community health.



- Ramaiah Institute of Technology's NSS wing celebrated NSS Day on November 13, 2025, at ESB Seminar Hall 1 with 500 volunteers. Chief Guest Dr. M.R. Seetharam (GEF Chairman), Principal Dr. N.V.R. Naidu, and dignitaries like Dr. H.V. Parswanath IAS(Retd) attended. The event featured the

Ramaiah Anthem, NSS video, pledge, annual report, certificates for Skill Development participants, honors for student coordinators (Khushi D K et al.), felicitation of Dr. Putta Bore Gowda, inspiring addresses, and lunch.



- On September 21, 2025, RIT's NSS unit visited 10 institutions including Mahalakshmi Old Age Home, Saraswati Charitable Trust, NAMS Snehasadan, Faith Children Home, and others. Campus donations of groceries, clothing, toys, and medical supplies were distributed. Volunteers engaged children in games, singing, dancing, and gifted handmade stationery/recycled notebooks; elders enjoyed performances and board games. Interactions fostered empathy, compassion, and joy, reinforcing NSS values of service and community bonding.



DEPARTMENT OF SPORTS

VTU ACHIEVEMENTS



- HANDBALL [WOMEN]:** RUNNERS - College Handball Women team secured Second Runners Up Trophy in VTU Bangalore Division Handball Tournament held on 9th Oct. 2025 in our College Sports Ground. Event organised by MSRIT.



- TENNIS [MEN]:** WINNERS - College Tennis Men Team Secured Winners Trophy in VTU Bangalore Division Tennis Tournament held on 14th and 15th October 2025 in RVITM, Bangalore.



- TENNIS [MEN]:** WINNERS - Tennis Men Team Emerged Champions Trophy in VTU State Level Tennis Tournament held on 16th and 17th October 2025 at RVITM, Bangalore.



- **WRESTLING & JUDO [WOMEN]:** We are happy to inform you that our College Wrestling and Judo Women team Secured 2nd Runner Up Trophy by Securing 2 Gold, 1 Silver & 1 Bronze Medal in the VTU State Level Wrestling and Judo Competition held at MIT, Mysore on 17th & 18th October 2025.

Sakshi Milind Hukkeri of 5th Sem ML Won 1 Gold Medal in Wrestling & 1 Silver Medal in Judo.

Manaswi G of 5th Sem ML Won 1 Gold Medal in Judo.

Sumitha M of 5th Sem ML Won 1 Bronze Medal in Judo Competition.



- **BASKETBALL - MEN: WINNERS** – College Basketball Men Team Secured Winners Trophy in VTU Bangalore Central Division Basketball Tournament held at Cambridge IT on 3rd November 2025



- **BASKETBALL - MEN: WINNERS** – College Basketball Men Team Secured Winners Trophy in VTU State Level Basketball Tournament held on 16th and 17th November 2025 at BEC Bagalkot.



- **POWER LIFTING:** We are happy to inform you that our College Power Lifting Women team Secured Championship Trophy by Securing 1-Gold, 2-Silver & 1 Bronze Medal in VTU State Level Power Lifting Competition held at RVITM, Bangalore on 8th & 9th Nov. 2025.

Details of the Medals: Srujana Mahesh of 1st Sem Civil, Secured Gold Medal in Category Under 76kg

Shamatha N of 3rd Sem Medical Electronics, Secured Silver Medal in Category Under 57kg

Monisha of 7th Sem Mechanical Eng., Secured Silver Medal in Category Under 52kg

Sindhu Mudagall of 3rd Sem BT, Secured, Bronze Medal in Category 84+ kg



- Vedant 7th Sem, AI&DS Secured Silver Medal in Under 66 KG Category in VTU Power Lifting Competition held at RVITM on 7th & 8th November 2025.



- **BASKETBALL - WOMEN WINNERS** – College Basketball Women Team Secured Runners Trophy in VTU Bangalore Division Basketball Tournament held on 11th and 12th November 2025 in GAT, Bangalore.



- **BASKETBALL WINNERS** - College Basketball Team Emerged as Champions in the VTU State Level Basketball Tournament held at Global Academy of Technology, B'lore on 13th & 14th November 2025.



- **THROWBALL - WOMEN WINNERS** - College Throwball Team Secured Winners Trophy in VTU Bangalore Central Division Throwball Tournament held on 1st December 2025.

INVITATIONAL TOURNAMENT ACHIEVEMENTS:



- **CRICKET RUNNERS** - We are happy to inform you that our College Cricket team, Secured Runners Up Trophy in State Level Inter College Cricket Tournament - Infi - 25, Org., by PES University held from 13th to 23rd October 2025



- **CHESS - WOMEN WINNERS** - College Chess Women Team Secured Winners Trophy in CMRIT SPARDHA - 25, State Level Tournament held on 13th November 2025.



- **BADMINTON - WOMEN RUNNERS** - College Badminton Women Team Secured Runners Trophy in State Level Open Tournament held at CMRIT on 15/11/2025



- **BASKETBALL - WOMEN RUNNERS** - College Basketball Women Team Secured Runners Trophy in State Level Open Tournament held at CMRIT on 15/11/2025



- **BASKETBALL – MEN 'B' TEAM RUNNERS** - College Basketball Men 'B' Team Secured Runners Trophy in State Level Open Tournament held at CMRIT on 15th & 16th Nov. 2025.



- **CHESS – MEN WINNERS** - College Chess Men Team Secured Runners Trophy in BMSCE "Kreedothsav -25", a State Level Tournament, held on 24th November 2025.



- **BADMINTON – MEN WINNERS** - College Badminton Men Team Secured Winners Trophy in BMSCE - KREEDOTSAV -25 a State Level Tournament held on 24th and 25th November 2025.



- **BADMINTON – WOMEN WINNERS** - College Badminton Women Team Secured Winners Trophy in BMSCE - KREEDOTSAV -25 a State Level Tournament held on 24th and 25th November 2025.



- **TENNIS – MEN WINNERS** - College Tennis Men Team Secured Winners Trophy in BMSCE - KREEDOTSAV -25 a State Level Tournament held on 24th and 25th November 2025.



- **BASKETBALL - MEN WINNERS** - College Basketball Men Team Secured Winners Trophy in BMSCE - KREEDOTSAV-25 a State Level Tournament held on 27th and 28th November 2025.



- **BASKETBALL - WOMEN WINNERS** - College Basketball Women Team Secured Winners Trophy in BMSCE - KREEDOTSAV -25 a State Level Tournament held on 27th and 28th November 2025.



- **BASKETBALL - MEN WINNERS** - College Basketball Men Team Secured Winners Trophy in a State Level Open Tournament held on 5th & 6th December 2025. Organized by VIGNAN UNI in DSCE Campus.

- **BASKETBALL - MEN WINNERS** – College Basketball Men Team Secured Winners Trophy in a State Level Open Tournament held on 5th & 6th December 2025. Organized by VIGNAN UNI in DSCE Campus.

Organization of VTU Tournaments:

- **HANDBALL:** Organized VTU Bangalore Division Handball (Women) Tournament on 9th & 10th October 2025 in our College Ramaiah Sports Ground. Dr. NVR Naidu, Principal, RIT Inaugurated the Tournament. Dr. N L Ramesh, Vice Chairman, Sports Committee witness the event. Around 9 Colleges from Bangalore Division has been participated in the Tournament.



- **BASKETBALL - MEN WINNERS** – College Basketball Men Team Secured Winners Trophy in a State Level Open Tournament held on 5th & 6th

IN HOUSE ACTIVITIES: INTER BRANCH COMPETITIONS

- **Pro – Kabaddi: Organized Inter Branch Pro – Kabaddi Competition for Men & Women:** Organized Inter Branch Pro-Kabaddi Tournament for Men & Women on 20th November 2025 in College Basketball Court on Kabaddi Mat, around 19 Men Teams & 4 Women Teams took part in the tournament.



NEW APPOINTMENTS

Department of Electronics & Communication Engineering



Dr. Arka Bhattacharyya, presently serving as an Assistant professor in Ramaiah Institute of Technology, Bangalore in the Department of ECE. He has 2.5 years of teaching experience and 2 years of industry experience. His research area is planar miniaturized antennas, MIMO antenna arrays and dielectric resonator antennas. He completed his M.E. and Ph. D from Jadavpur University, Kolkata in 2014 and 2022 respectively on RF and antennas

Department of Computer Science and Engineering



Dr. Devaraju B. M., working as Associate Professor in the Department of Computer Science and Engineering at Ramaiah Institute of Technology (MSRIT), Bangalore. Ph.D. in Computer Science and Engineering from Visvesvaraya Technological University, India, with over 21 years of academic and research experience. His areas of expertise include Computer Networks, WSN, Cyber Security, IoT, and Blockchain Technology. He has received the best IEEE paper award, published several research papers, filed patents, guided UG and PG projects, and actively contributed to academic excellence and innovation.



Sahil Kumar Jamwal, working as Senior Lecturer in the Department of Computer Science and Engineering at Ramaiah Institute of Technology. He has worked as Project Assistant at Indian Institute of Science on 5G O-RAN

helping in building open source machine learning applications for diagnosing network anomalies. His areas of interest are Networking, Full Stack, ML and Devops.



Swetha M., working as Senior Lecturer in the Department of Computer Science and Engineering at Ramaiah Institute of Technology. She served as Research Intern at Indian Institute of Science (IISc), Bengaluru,

developing an offloading xApp for O-RAN Near-RT RIC to optimize UE load balancing using real-time KPI metrics, and contributed to Samsung PRISM Program on sound event localization for short utterances on smartphones. Her areas of interest include Artificial Intelligence, Machine Learning, Deep Learning.



Uzma Taj, working as Assistant Professor in the Department of Computer Science and Engineering at Ramaiah Institute of Technology (MSRIT), Bangalore. Pursuing Ph.D. in Computer Science and Engineering from

Visvesvaraya Technological University, India, with over 7 years of academic experience, Her areas of interest include Cybersecurity, IoT, Cloud computing.

Dept. of CSE (AI & ML) and CSE (Cyber Security)



Ms. Shrilaxmi Gidd, Designation: Senior Lecturer, Joined as Senior Lecturer in the Department of CSE (AI & ML) and CSE (Cyber Security) of Ramaiah Institute of Technology. Her research areas

of interest include Data Science, Machine Learning and Cloud Computing.



Mr. Prashanth Reddy C, Designation: Senior Lecturer, Joined as Senior Lecturer in the Department of CSE (AI & ML) and CSE (Cyber Security) of Ramaiah Institute of Technology. His research areas of interest include

building scalable software systems using Java, Spring Boot, Cloud technologies and integrating software engineering with intelligent systems.



Dr. Sajini G, Designation: Assistant professor, Total Experience in years: 14.9 Years, Joined as an Assistant professor in the Department of CSE (AI & ML) and CSE (Cyber Security) of Ramaiah Institute of

Technology. Her research areas of interest include Natural Language Processing, Human computer Interaction, Artificial Intelligence, Data Science.

Department of Aerospace Engineering



Dr. Anand M. Raikar is currently working in the Department of Aerospace Engineering at Ramaiah Institute of Technology, Bengaluru. He has got 06 years of experience in Industry, research and academia. His

areas of expertise include Aerospace Propulsion, Aerodynamics, Computational Fluid Dynamics (CFD), and aircraft design.

VARIOUS INSTITUTIONS / CENTRES UNDER GOKULA EDUCATION FOUNDATION (GEF)

RAMAIAH INSTITUTE OF TECHNOLOGY

RAMAIAH HIGH SCHOOL

RAMAIAH MEDICAL COLLEGE

RAMAIAH MEDICAL COLLEGE HOSPITAL

RAMAIAH INSTITUTE OF NURSING EDUCATION & RESEARCH

RAMAIAH DENTAL HOSPITAL

RAMAIAH COLLEGE OF PHARMACY

RAMAIAH COLLEGE OF ARTS, SCIENCE & COMMERCE

RAMAIAH COMPOSITE PRE-UNIVERSITY COLLEGE

RAMAIAH VIDYANIKETAN

RAMAIAH INSTITUTE OF MANAGEMENT

RAMAIAH COLLEGE OF LAW

RAMAIAH ADVANCED TESTING LABORATORY

RAMAIAH INSTITUTE OF PHYSICAL MEDICINE &
REHABILITATION (PHYSIOTHERAPY)

RAMAIAH POLYTECHNIC

RAMAIAH MEMORIAL HOSPITAL

RAMAIAH COLLEGE OF EDUCATION

RAMAIAH INTERNATIONAL MEDICAL SCHOOL

RAMAIAH CLINICAL RESEARCH CENTRE

RAMAIAH HARSHA HOSPITAL

RAMAIAH UNIVERSITY OF APPLIED SCIENCES

RAMAIAH INDIC SPECIALITY AYURVEDA

RAMAIAH PUBLIC POLICY CENTRE

RAMAIAH INNOVATION CENTRE FOR HEALTHCARE
TECHNOLOGIES

RAMAIAH LEENA HOSPITAL

RAMAIAH NEHA PRAKASH HOSPITAL

RAMAIAH CLINIC

RAMAIAH SUNSHINE AYURVEDA CENTRE, PENANG,
MALAYSIA

RAMAIAH QUALITY ASSURANCE CELL

RAMAIAH INTERNATIONAL CENTRE FOR
PUBLIC HEALTH INNOVATION

Centres of Excellence at RIT

- ▲ Imaging Technologies
- ▲ Antennas and Radio Frequency Systems
- ▲ Advanced Materials Technology
- ▲ Bio and Energy Materials Innovation
- ▲ Cyber Physical Systems
- ▲ Schneider centre for Building Automation