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Editors Message

There is a saying "Art washes away from the soul the dust of everyday life and Painting is just another way of keeping a diary."

It gives me great pleasure to acknowledge and appreciate the commendable achievements and collective efforts of our faculty members. I extend my sincere congratulations to all faculty for their valuable research publications, which reflect their academic rigor, dedication, and commitment to excellence.

I would also like to express my heartfelt appreciation to the faculty and organizing teams for their sincere efforts in making the Painting Competition a grand success. The event beautifully showcased creativity and artistic talent, encouraging participants to express their ideas through colors and imagination. The enthusiasm and meticulous planning behind the event truly deserve recognition.

In addition, the successful celebration of Alumni Day was a proud and memorable occasion. The active involvement of faculty in reconnecting with our alumni helped reinforce lasting bonds and foster a strong sense of belonging to the institution. These accomplishments stand as a testament to the dedication, teamwork, and passion of our faculty. I congratulate everyone involved and wish continued success in all future endeavors. We are a TEAM-Together Everyone Achieves More, Lets all work together for higher success.

Focus on FOCUS and be a part of it .

| Dr.Vidyalakshmi K

Publications and Conferences

- **Dr. Sushma Prashanth**, Asso.Prof., and Dr. M. Nagaraja, Prof., Department of Physics presented a research paper entitled "Thermal and Optical Properties of Chitosan/PANI/Molybdenum Trioxide Nanocomposites, at 13th International Conference on Condensed Matter Physics and Applications (CMPA-2025), held at Manipal Institute of Technology, MAHE, Manipal, Karnataka, on 8th - 9th December 2025.
- **Dr. Chetana C**, Assistant Professor, Dept. of Mathematics, published the research paper titled "Super hyper topologies and super hy-

per structures", at Neutrosophic milli topological spaces, Page No.:355-368, December-2025.

- **Mrs. Vani B V** Asst. Prof., Dept. of ISE published a research article titled Integrated ARIMA and Multi-Scale GRU for Crop Recommendation and Yield Prediction In Precision Agriculture in the Journal of Computer Science indexed by SCOPUS (Q3) in December 2025.
- **Mrs.Nandini G R**, Asst. Prof., Dept. of ISE published a research paper entitled A Long short term memory guided conditional dynamic variational auto encoder for crop yield prediction and

crop type classification in Engineering Technology and Applied Science Research Journal, indexed by SCOPUS (Q2), Volume 15, Issue 6, 2025.

• **Dr. Shilpa G N** and **Dr. Nataraja C**, Assoc. Prof. Dept. of EEE have published a paper entitled “Advanced control and optimization techniques for grid-connected wind energy systems based on MPPT and hybrid controllers”, volume 15, Issue 12, 2025, journal of Technology ISSN No. 1012-3407 December 2025.

• **Dr. Keshavamurthy T G**, Asso. Prof., Dept. of ECE., presented a paper titled “Enhanced Passive Radar DOA Estimation Using Wigner-Ville Distribution and MUSIC Algorithm in Noisy Environments” in 5th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2025) organized by Department of Electronics and Telecommunication Engineering, SSIT, Tumakuru on 10th and 11th December 2025.

• **Dr. Anitha Devi M D**, Asso. Prof., Dept. of ECE., presented a paper titled “Secured Transmission of Satellite Image using Advanced Cryptography and Machine Learning: A Hybrid Framework” in the International Conference on Cybernetics, Cognition & Machine Learning Applications (IC3M-LA-2025) under AICTE-GOC Scheme 2025-26 organized by department of Research and Development, DBIT, Bengaluru on 28th and 29th November 2025.

• **Dr. Praveen Kumar Y G**, Asso. Prof., Dept. of ECE., published a paper on “Optimized BIST Architecture for Logic Circuit Testing using Low-Power and Area Efficient mod-GDI Technique”, in IETE Journal of Research (in press) in December 2025.

• **Mr C R Mohan Kumar, Mr Simha D K L N**, Asst. Prof., Dept. of ECE., published a paper titled “Advanced control and optimization Techniques for Grid-Connected Wind Energy Systems Based on MPPT and Hybrid Controllers” in Scopus indexed Journal of Technology, ISSN: 1012-3407, volume 15, Issue 12, December 2025.

• **Dr. Srinidhi G A**, Associate Professor, Dept of CSE(CY), SSIT, Tumakuru has successfully published a paper “The Security Implications of Quantum Computing: Preparing for Post-Quantum Cryptography” in the Journal of Technology, Volume 13, Issue 12, December 2025 ISSN No: 10123407.

• **Dr. Pradeep R**, Assistant Professor, Dept of CSE(CY), SSIT, Tumakuru has presented a research paper entitled “An Artificial Intelligence Powered Agent for Automated Data Visualization and Insight Generation using DeepSeek LLM together – AI API” at the 3rd International Conference on Emerg-

ing Computation and Information Technologies (ICECIT-2025) on 19th and 20th December 2025.

• **Mr. Rakesh M**, Asst. Prof., Dept. of Civil Engg., published a paper title “Adsorption of Basic Dye from A Synthetic Wastewater -Analysis with Batch, Column and IoT Studies” in International conference and published same in Journal of Advanced Research in Science, Communication and Technology Volume 5, Issue 6, 2025.

• **Dr. Sunil K*** and group published an article entitled “Nanostructured cadmium ferrites: A smart sensor platform for Lead (II) ion detection” in the journal “Sensors and Actuators A: Physical” Published by Elsevier (IF=4.9, Quartile 1- Indexed in Scopus and WOS) in December 2025.

• **Dr Savitha C**, Assoc. Prof., Dept. of AI&ML- has presented a paper entitled “An Artificial Intelligence Powered Agent for Automated Data Visualisation and Insight Generation using DeepSeek-V3 and Together-AI API” in 3rd International Conference on Emerging Computation and Information Technologies (ICECIT-2025) Organized by the Departments of Computer Science & Engineering and Information Science & Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, India on 19th and 20th December 2025.

• **Ms. Chandana V**, Asst. Prof., Dept. of AI&ML- has presented a paper entitled “Hybrid Deep and Machine learning for Cloud-based Anomaly Detection in Smart Healthcare” in International Conference on Artificial Intelligence in Engineering Systems (IC-AIES) organized by the Departments of EEE, CSE, ISE & ECE, Rajeev Institute of Technology, Hassan, Karnataka, India on 26th and 27th December 2025.

Faculty Achievements

• **Dr. M. Nagaraja**, Professor, Department of Physics has reviewed research papers for the reputed international journals Next Research (Elsevier) and Results in Engineering (Elsevier) in December 2025.

• **Mr. Pradeep M**, Asst. Prof., Dept. of ISE participated as a Reviewer in an International Conference on Emerging Computation and Information Technologies (ICECIT-2025) held at SIT, Tumakuru on 19th and 20th December 2025.

• **Dr. Shilpa G N**, Assoc. Prof. Dept. of EEE has served as Session Chair for 5th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2025), organized by ETE Dept. SSIT during 10th - 11th December 2025.

- **Dr. Yogananda B S**, Assoc. Prof. Dept. of EEE- has served as Session Chair for 5th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2025), organized by ETE Dept. SSIT during 10th - 11th December 2025.
- **Dr. Jagadisha K R**, Assoc. Prof. Dept. of EEE has served as Reviewer at the 3rd International Conference on Intelligent and Sustainable power and Energy systems (ICISPES-2025) held on 18th and 19th December 2025 organized by the department of E&EE, Dayananda Sagar college of Engineering Bengaluru.
- **Dr. Praveen Kumar C**, Associate professor of EEE department has been Judge for the IoT-THON held on 15th December 2025 organized by Department of Computer Science and Engg. (cyber security)
- **Dr. Vidyalakshmi K**, Assoc., Prof., Dept., of CSE(DS), served as a Judge for Webathon 2K25 – An Inter-College Web Development Marathon, organized by the Department of CSE (Cyber Security) at Param Cyber Arc, on 8th December 2025.
- **Dr. Yogananda B S**, Assoc. Prof. Dept. of EEE has served as Reviewer at the 3rd International Conference on Intelligent and Sustainable power and Energy systems (ICISPES-2025) held on 18th and 19th December 2025 organized by the department of E&EE, Dayananda Sagar college of Engineering Bengaluru.
- **Dr. Ravi Prasad D**, Assoc. Prof. Dept. of EEE has served as Reviewer at the 3rd International Conference on Intelligent and Sustainable power and Energy systems (ICISPES-2025) held on 18th and 19th December 2025 organized by the department of E&EE, Dayananda Sagar college of Engineering Bengaluru.
- **Dr. M C Chandrashekhara**, Prof & Head., Dept. of ECE., Dr. Keshavamurthy T G, Dr. Anitha Devi M D, Dr. Komala K, Asso. Prof., Dept. of ECE.,- served as a session chair in 5th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2025) organized by Department of Electronics and Telecommunication Engineering, SSIT, Tumakuru on 10th and 11th December 2025.
- **Dr. Chidananda Murthy M V**, Asso. Prof., Dept. of ECE., is a Program Committee Member of “7th International Conference on Networks, Blockchain and Internet of Things (NB IoT 2026)” to be held in Zurich, Switzerland on January 17th and 18th 2026.
- **Dr. Komala K**, Asso. Prof., Dept. of ECE., was a keynote speaker at the 29th Batch MBA Grand Inauguration Program at SSIT Tumkur on 5th December 2025.
- **Dr. Ghouse Ahamed Z**, was a judge at IOT-THON

(Hobby project Competition), which was organized by the Department of Computer Science and Engineering (Cyber Security), SSIT, Tumkur on 15th December 2025.

- **Dr. Usha S**, Assoc Prof., Dept. of Civil Engg., her project has been selected as a finalist in Anveshana 2025–26 (Karnataka & Tamil Nadu region).
- **Dr. Raju A S, Dr. Guruprasad S and Dr. Ashwini K** (BME) were a Session Chair for 5th IEEE International conference on “Mobile Networks and Wireless Communications”, ICMNWC-2025 organized by the Department of Electronics and Telecommunication Engineering, SSIT, held on 10th and 11th December 2025 at SSIT, Tumakuru.
- **Dr. Manjula Yerva**, Assoc. Prof., Dept. of AI&ML has filed a patent application entitled “Apparatus and Process for Intrusion Detection with Explainable AI using LIME and SHAP on Deep Learning Models” with the INDIA dated 19th December 2025.
- **Dr. Jayaprakash H V**, filed a design patent on the Title: “Device for synthesis of antimicro-biological activity of chemical compounds” on 12th December 2025.
- Mr. Nandan N, Asst. Prof. Dept. of EEE has Published Patent titled “Electronic Duster”, in December 2025.

Student Achievements



Ms. Moulya K. B. and Mr. Preetham S. P., students of the Department of Robotics and Artificial Intelligence, Sri Siddhartha Institute of Technology, Tumkur, secured First Prize in the “InnovateX – 12 Hour Hackathon” organized by the Department of Computer Science and Engineering (Intent Club), SSIT on 12th December 2025. Their achievement highlights their innovation, teamwork, and technical excellence, bringing pride to the department.

- **Mr. Chandan Uttharkar (5th sem) & Mr. Rakshith Kumar G K (3rd sem) and Mr. Adithya S Bhat & Mr. Bhargav M**, Students Dept. of ISE of 7th sem secured 1st and 3rd place respectively in Hackathon competition organized by dept of CSE on 12th December 2025.
- Final year and pre final year students **Bhargav M, Adithya S Bhat, Chandan Ut-**

tharkar, Amrutha K Sand Abhishek N S Students Dept. of ISE have been offered an internship by Chaalanikrafts_Info LLP, Tumakuru.

- **Mohammed Younus M** of 5th Sem and Madhu K K of 3rd Sem Dept of CSE(CY) has participated in INNOVATE X – Hackathon organized by the Department of Computer Science and Engineering, Sri Siddhartha Institute of Technology, Tumakuru, on 12th December 2025. He was recognized among the top teams for Best Idea.
- **Manu** of 3rd Sem Dept of CSE(CY), has been selected to participate in the TECH FEST, scheduled from 22nd to 24th December at IIT Bombay, in which participants from 25 countries are taking part.

Faculty Participation

- **Dr. M. Nagaraja**, Professor, Department of Physics, attended a “Institutions Innovation Council (IIC) Regional Meet-2025, MoE’s Innovation Cell, AICTE” hosted by M.S Ramaiah University of Applied Sciences, Bengaluru on 2nd December 2025.
- **Dr. Sushma Prashanth**, Associate Professor, **Dr. Manjunath C.**, Associate Professor and **Mrs. Shilpashree K. S.**, Assistant Professor, Department of Physics attended six days National Level Faculty Development Program (FDP) on “Indian Knowledge System”, organized by department by Humanities, Sree Siddaganga College of Arts, Science and Commerce, Tumkur, held from 1st to 6th December 2025.
- **Dr. Batluri Tilak Chandra**, Asso. Prof., Dept. of ME, has participated in six days online FDP on Additive Manufacturing organized by Department Of Mechanical Engineering, Bethlehem Institute of Technology, Karungal from 8th to 13th December 2025.
- **Mrs. Anuradha G R**, Asst. Prof, Dept. of MCA has participated in the National Level five day online Faculty Development Program on “Building Expertise in Research Paper and Proposal Writing”, organized by the Department of Artificial Intelligence and Machine Learning, Panimalar Engineering College, Chennai from 8th to 12th December, 2025.
- **Mrs. Bhavani H S**, Asst. Prof, Dept. of MCA attended 15 days online AI PRAGYAN FDP by SmartBridge in collaboration with IBM and AICTE from 12th November to 2nd December.
- **Mrs. Bhavani H S**, Asst. Prof, Dept. of MCA attended 5 days FDP under the Next Gen Employability Program on Modern Web Development and AI Integration from 14th to 19th December
- MBA faculty members and Students had attended

Business Leader Meet organized by “HR DASARA” Mysore. A platform where Head HR’s and other Business Leaders discussed on the latest trends in the field of HR in the panel discussion on 12th December 2025.

- **Dr. Puneeth Kumar D N**, Asso.Prof., and Mrs. Swarnamba S, Asst.Prof., Dept. of ETE successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Exploring the Synergy between eAcoustics and Machine Learning for Tomorrow’s Technologies at DR. AMBEDKAR INSTITUTE OF TECHNOLOGY from 15th to 20th December 2025
- **Dr. Sumana L**, has attended the one day regional meet hosted by M S Ramaiah University of applied sciences, Bangalore on 2nd December 2025.
- **Mrs. Sowmya K R** and **Mrs. Likitha U N**, Asst. Prof. Dept. of EEE have attended ATAL FDP on Innovation Trends in Data Science and Electric Mobility: IPR Opportunities and Challenges at Birla Institute of Technology, Mesra, Off Campus Deoghar from 8th to 13th December 2025.
- **Mrs. Sowmya K R** and **Mrs. Likitha U N**, Asst. Prof. Dept. of EEE have attended ATAL FDP on Exploring the system between eAcoustics and Machine Learning for Tomorrow’s Technologies at Dr Ambedkar Institute of Technology from 15th to 20th December 2025.
- **Mrs. Sowmya K R** and **Mrs. Likitha U N** Asst. Prof. Dept. of EEE have attended ATAL FDP on Renewable Energy Systems and grid Integration - technologies, challenges and solutions at MEA Engg. College from 1st to 6th December 2025.
- **Dr. B Rajesh Kamath**, Professor, **Dr. Sreenath K** and **Dr. Nasreen Taj M**, Assoc. Prof. Dept. of EEE have Participated in Five days National Level FDP on Impact of Electric vehicle Penetration and integration of Distributed generation on the performance of Indian Power Grid from 15th -19th December 2025.
- **Mr. Nandan N** Asst. Prof. Dept. of EEE has Participated in Five Day Online National Workshop on Applied AI & ML in Electrical Systems: Learn, Analyse, and Innovate from 15th December to 19th December 2025 organized by Department of E&EE, BNMIT, Bengaluru in association with IEI, Karnataka State Centre, Bengaluru
- 5 Faculty members have completed five days online AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Exploring the Synergy between eAcoustics and Machine Learning for Tomorrow’s Technologies” organized by Dr. Ambedkar Institute of Technology from 15th to 20th December 2025.
- **Ms. Navyashree R**, Asst., Dept. of of CSE(DS), par-

participated in a Faculty Development Program on “Quantum Computing,” organized by the ICFAI Foundation for Higher Education in collaboration with ExcelR Edtech Pvt. Ltd., held from 8th to 12th December 2025.

- **Ms. Sujatha G S**, Assistant Professor, Dept of CSE(CY), SSIT, Tumakuru attended the NCS-RC FDP titled “Cyber India 2030: Empowering Faculty for Innovation, Governance & Digital Trust”, organized by the National Cyber Security Research Council, on 12th December 2025.

- **Mr. Guruprasad T N**, Asst Prof., Dept. of Civil Engg., has participated in Five-Day Online Faculty Development Programme on “Emerging Research Trends in Civil Engineering” from November 24th to 28th, 2025 jointly organized by Department of Civil Engineering and Research and Development Cell, SRKR Engineering College (A), Bhimavaram, A. P.

- **Dr. Usha S**, Assoc Prof., Dept. of Civil Engg., has been shortlisted for and participated in the YUKTI Innovation Challenge (YIC) 2025 / AICTE Productization Fellowship (APF) 2025.

- **Dr. Pradeep A R**, Assoc Prof., Dept. of Civil Engg., has successfully participated & completed one week AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Driven Materials Discovery and Design: A New Frontier in Materials Science” at Dr Mahalingam College of Engineering and Technology Pollachi from 1st to 6th December 2025.

- **Dr. Pradeep A R**, Assoc Prof., Dept. of Civil Engg., has successfully participated & completed 6 days online FDP on Modern Technological innovations in Civil Engg -2025 organised by Dept of Civil Engg kongunadu college of Engg and technology from 15th to 20th December 2025.

- **Mrs. Haripriya R**, Asst. Prof., Dept. of AI&ML has served as a reviewer for the Journal of Computer Science and participated in the peer-review process for the manuscript “Semi-Supervised Fault Prediction and Proactive Task Migration in Dynamic Edge Environments Using PREGAN+”, (Manuscript ID: 8822-JCS) on 4th December 2025.

Student Participation

- **Kedarnath Joshi, Bharat D R, Darshan Gowda D R, Dhanik G. M**, students of second year ECE, participated in project exhibition “IGNITRON-2K25” at G M Institute of Technology, Davangere on 6th December 2025.

- **Balaji N V, Aniruddha C R, Dhanush M Singh, Ephraim S Abhishek**, students of sec-

ond year ECE, participated in project exhibition “IGNITRON-2K25” at G M Institute of Technology, Davangere on 6th December 2025.

- **S K Abhyudhy** has presented a paper entitled “An Artificial Intelligence Powered Agent for Automated Data Visualisation and Insight Generation using DeepSeek-V3 and Together-AI API” in 3rd International Conference on Emerging Computation and Information Technologies (ICECIT-2025) Organized by the Departments of Computer Science & Engineering and Information Science & Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, India on 19th & 20th December 2025.



Ayyanagouda, Gowtham N, Prajwal TP, Beeru Nerli students of second year, secured 2nd place in “ROBO RACE” in the project exhibition “IGNITRON-2K25” at G M Institute of Technology, Davangere, under the guidance of C R Mohan Kumar Asst. Prof., Dept. of ECE., on 6th December 2025.



Ayyanagouda, Gowtham N, Prajwal T P, Beeru Nerli students of second year, secured 1st place in Robo soccer and Robo sumo war, 2nd place in Death Race in the project Exhibition Torque 12.0 (The National Level Competition) held at Dayanand Sagar College of Engineering, under the guidance of C R Mohan Kumar Asst. Prof., Dept. of ECE., on 12th December 2025.

Placement News

The Department of Training and Placement recorded significant progress during December 2025, offering valuable placement and internship opportunities to the 2026 batch students. During the month, several reputed companies visited the campus, resulting in both full-time placements and internships that enhanced students' employability and industry exposure. In December 2025, 22 students were placed in full-time roles through companies such as MRI Software and KPMG, while 181 students secured internship opportunities with organizations including Nash Industries, Q-Spiders, Besant Technology, Tap Academy, Pentagon Space, Dhee Coding Lab, and others, taking the total number of students benefited to 203 for the month. A major highlight of December was the successful completion of two important recruitment drives conducted at the SSIT campus, where Besant Technology selected 21 students on 1st December 2025 and Q-Spiders selected 33 students on 29th December 2025, resulting in a total of 54 students selected during December 2025 through completed recruitment processes. In addition to these achievements, recruitment processes are currently in progress for several organizations such as FACE Prep, Apexon, Kalpataru Projects, Sobha Limited, Ocean Link Sea Services, and Kalvium, with registration links shared with students. Overall, the placement activities carried out in December 2025 reflect consistent efforts by the Training and Placement Cell, strong collaboration with industry partners, and encouraging placement outcomes for students, thereby strengthening career prospects and supporting the institution's placement objectives.



The Department of Biomedical Engineering and Department of Robotics and Artificial Intelligence, SSIT, Tumkur, organized a Value Added Course on “Fundamentals of Python for Engineers” from 5th to 9th December 2025. The program was conducted by Mr. Siddesh K. S., Managing Director, S Spiders Computer Training Institute, Tumkur. The course enhanced students' programming skills and foundational knowledge of Python. The course was conducted under the guidance of Dr. Raju A. S. Professor and Head, Dept. of BME and Dr. Manu S., Professor and Head, Dept. of R&AI and coordinated by Dr. Ashwini K, Assoc. Prof., Mr. Kantharaju, Asst. Prof., Dept. of BME Mrs. Vidyashree T. C., Asst. Prof., and Mr. Yashwanth K. S, Asst. Prof., Dept., of R&AI.

Department Activities



Industry visit was organized for Mechanical Engineering students to Bansal Aradhya Steel Pvt. Ltd, Davanagere. The faculty coordinators are Dr Annapurna T L, Asso. Prof., and Mr Harish, Asst., Prof., from Dept. of Mechanical Engineering on 12th December 2025.

Organized National Energy Conservation and Energy Efficiency Week from Dr. N Pradeep Coordinator Energy Club and Dr Praveen Kumar C Coordinator, IIC from 15th - 20th December 2025.



Inauguration of IEEE Power Electronics Society and Power Tech Event on 16th December 2025 from Dr. Yogananda B S, Associate Professor.



As a part of the 5th semester professional Elective course "Advanced Control System", an Industrial Visit to Master Control Facility, Hassan was organized on 18th December 2025. The visit was coordinated by Mrs. Shaheena Khanum, Asst. Prof. Dept. of EEE.



Dept., of EEE have conducted a three days value added course on "Industrial IoT and Embedded Systems" for 5th semester students from 8th-10th Dec 2025 coordinators are Mr. D V Venugopal Chavan and Mrs. Shwetha T M.



As a part of the 1st Sem. Course Basic Electrical Engg., an Industrial visit to the SSAHE Solar Power Plant was organized for all the Chemistry cycle students in December 2025. (7 Sections)



5th sem students visited to GTTC, magadi as a part of Industrial visit who opted professional elective Robotics and Automation and students under IEEE RAS society, which was organized by Dr. Komala K., Asso. Prof., Dept. of ECE on 6th December 2025.



IOThon (Hobby Project Competition) has been Organised for 3rd Sem Students of CSE(CY) on 15th Dec 2025 at Sir M V Block Room No. 107 for a team size of 2 students under the judgement of Dr. Praveen Kumar C, Associate Professor, EEE, SSIT and Dr. GhouseAhamed Z, Assistant Professor, E&C, SSIT.



Three Days Bootcamp on Blockchain Technology has been conducted for 5th Sem Students of CSE(CY) from 5th to 7th December in PARAMM CYBER ARC Seminar Hall, SSIT, Tumakuru. The Advisory Committee comprised Dr. Renukalatha S, Prof., and Head of the Dept of CSE(-CY) and Dean Academics and Mr. Kailash Shivnagi, Senior Consultant, Skills DA, Chennai. The Resource Persons for the program were Mr. Rahul Lenakala, Senior Blockchain Protocol Developer at Sarva Labs Inc. and Core Protocol Developer at MOI Technology, and Mr. Sai Kiran, Senior Business Development Manager at CipherNode and MOI Technology.



INTER-COLLEGE WEBATHON 2K25 Competition has been Conducted on 8th December 2025 in Paramm Cyber Arc, SSIT, Tumakuru. A total of 63 teams participated with the Prize Pool of ₹20,000. The First Prize was won by Team Supra from Ambedkar Institute of Technology, the Second Prize was secured by Team Hack OPS from Siddaganga Institute of Technology, The Third Prize was awarded to Team Cyber Warriors from Sri Siddhartha Institute of Technology.



A technical talk was organized by the Dept. of CSE (Data Science) on the topic “Charting Your Data Science Journey” in association with the C2C Club wherein Mr. Bharghav N S, CEO, Chaalanicrafts Info LLP, was the speaker of the session, held on 3rd December 2025.



A talk on “Investment Lessons to Achieve Financial Success” was organized by the Dept. of CSE (Data Science) in association with the C2C Club (Dept. of CSE (DS)), with Mrs. Geetha Priya, FLAP Coordinator, and Mr. M. L. Padmanabha, Senior Relationship Manager, Inspire India Wealth Pvt. Ltd., as the speakers, held on 5th December 2025.



The Dept. of CSE (Data Science), in association with RIHAM, organized a “Cooking Without Fire” competition on 19th December 2025. The event was coordinated by Ms. Navyashree R, Assistant Professor, Dept. of CSE (DS).

- The Department of Robotics and Artificial Intelligence, SSIT, Tumkur, conducted a Parent-Teacher Meeting on 10th and 11th December 2025. The meeting facilitated interaction between parents and faculty to review students' academic progress and overall development. The program was conducted smoothly and effectively.
- Department of Physics, SSIT, Organized "Physics Quiz" as AICTE activity for first year physics cycle B.E. Students on 19th December 2025.
- Dept. of MBA organized Technical Talk on 'Financial Wellness' was organized for 1st and 3rd Semester MBA students. The resource person was Mrs. Geeta Priya, FLAP Coordinator and Trainer, Inspire India Pvt. Ltd. Bangalore on 5th December 2025.
- Dept. of MBA organized an event 'SSAHE SAMYATHI' for 1st semester MBA students by 3rd Sem MBA Students. A platform to showcase and explore their talents. The event aimed to nurture student's interpersonal skills on 6th December 2025.
- Dept. of MBA organized One Day Industrial Visit for our MBA 3rd Semester students to 'RISHI FIBC Solutions Pvt. Ltd'. Nanjangud, Mysore on 13th December 2025.
- Dept. of MBA organized a Value Added Course was organized for MBA 1st semester and 3rd Semester Students on 'R Programming' The resource person was Mr. Keshav Koushik, Associate, Dept. of Fraud & Investigations, Zomato Ltd, New Delhi with an objective of enhancing their analytical and data-handling skills from 10th to 16th December 2025.
- A Special Lecture was organized on "Applying Business Analytics for Operational Excellence" for our 1st & 3rd Semester students. The resource person was Mrs. Hemavathy T Siga, Assistant Vice president, J P Morgan chase, Bangalore on 22nd December 2025.
- A Hands-on Workshop on 'Corporate Etiquettes' was organized for 1st and 3rd Sem students of MBA. The resource person was Dr. Capt. Indraani M R, Associate Professor of English, Associate NCC Officer and Soft Skill Trainer, GEMS Legacy Secondary school, Dubai on 27th December 2025.
- Department organized a five-day Value Added Course on Essentials of Generative AI and LLM from 3rd to 7th December 2025, for 7th semester students coordinated by Mrs. Nandini G R and Mrs. Ranjini H Asst. Profs., Dept. of ISE
- Two-day workshop on "Web Development" was organized under Coding club-DECODE on 16th & 17th December 2025, for 3rd semester students as

- Peer to Peer Learning activity, the event was coordinated by Dr. Naveen Kumar A N Prof., Dept. of ISE and Mr. Abhinav N D Asst. Prof., Dept. of ISE. students of 5th and 7th semester, Chandan Uttharkar, Aishwarya H S and Prgagathi B L were the Resources persons for the workshop.
- Coding competition C-BITZ was organized for 2nd and 3rd year students on 15th Dec 2025 coordinated by Mr Pradeep M, Mr. Abhinav N D, Mr. Subhash C S., and Pooja P Asst. Profs., Dept. of ISE and some of the final year students.
- Department organized Industrial Visit to Master Control Facility, Has-sanon 19th Dec 2025 for 3rd year students.
- Department of BME and R&AI organized a 5 days' value added course on "Fundamentals of Python for engineers", for 2nd year students from 5th December to 9th December 2025. Resource person Er. Siddesh K S, MD, S Spiders, Tumkur. [Coordinators: Dr. Ashwini K, Mr. Kantharaju, Mr. Yashwanth, Mrs. Vidyashree T C].
- The Department of AIML, under the AI&ML Chronicles, The magazine club coordinated by Assoc. Prof., Dr. Savitha C organized painting, drawing and essay writing competition titled "Art of Expression" on 9th December 2025.
- The Department of AIML, under the AI NEXUS Technical club coordinated by Asst. Prof., Mrs. Haripriya R organized Inter College Three days workshop on "Front end Development- WEB-SPRINT-2.0" from 12th to 15th December 2025.

College Events





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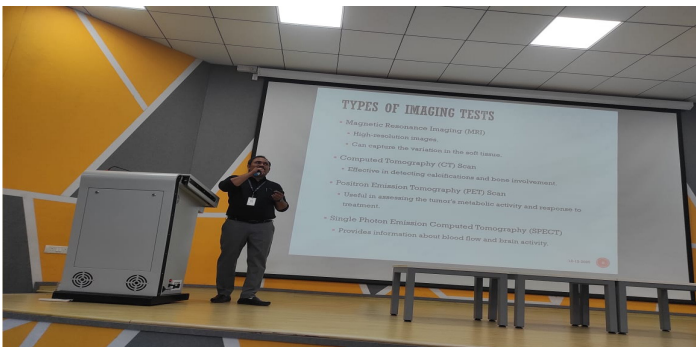


In the memory of Shikshana Bheeshma Dr.H M.Ganagdharaiah, 37th on spot painting competition was organised on 6th December 2025 at SSIT. Tumakuru. Smt.Kannika Parameshwari, Management Trustee, SSES, Tumakuru inaugurated the function, Dr.C S Suresh Babu, Artist-FineArts, Impromptu Poet, Professor, Dept., of E&I Engg, Malnad College of Engg, Hassan was the Chief Guest, Dr. M S Raviprakash, Principal, SSIT presided over the function. Dr.Lingegowda K B, Vice Chancellor, SSAHE, Dr.Asok Mehatha, Registrar, SSAHE, Dr.G Gurushankar, COE, SSAHE, Dr.Vivek Veeraiah, Advisor to Chancelor were the guests of honour. Dr.Sahan T S, Assoc.Prof., and Head,Dept. of CV was the convener and Dr.Shivaraju G D, Assoc.Prof., Dept. of CV was the Co-ordinator of the event. Various schools in and around Tumakuru participated in the event.



“Sethu Bandha”, a day to reconnect, celebrate achievements, and revive cherished memories, the Alumni Meet–2025 was organized on 14th December 2025 at the Chanakya Seminar Hall, SSIT. The event commenced at 9:00 a.m. with breakfast, welcoming alumni from various departments and batches. More than 100 alumni participated in the meet. A variety of games and recreational activities were organized for the alumni, along with their families and children. The winners were awarded prizes and gifts, adding joy and enthusiasm to the occasion. The formal function was started by invocation followed by inauguration by lighting the lamp by the Chief Guests, Mr. Sadashiv Hegde 1987–1991 Batch Alumnus (CS&E) Partner-Consulting, KPMG Global Services Pvt. Ltd., and Smt. Sahana G. 1988–1992 Batch Alumna (EEE) Director, TEC Manager, Network Automation, Nokia. Dr. Ashok Mehatha, Registrar, SSAHE, Tumakuru was the Guest of Honour. The event was presided by Dr. M. S. Raviprakasha, Principal, SSIT, President, Alumni Association, Tumakuru. Dr. Renukalatha S, Dean(Aca), Head, Dept. of CSE(Cyber Security), Dr. Raviram V, Head, Dept. of Computer Science and Engg., Vice-president, Alumni Association, Dr. Jeevith S H, Secretary and Treasurer, Alumni Association, Mrs. Swarnalatha G L, Joint Secretary, Alumni Association, all Executive Committee members, Alumni Association, Alumni coordinators and faculty of all department of SSIT were present in the event. The event continued with brief address by the chief guests, followed by feedback sessions wherein the alumni shared their experiences, memories, and thoughts followed by the distribution of medals and awards given by various alumini for various departments. Following the award distribution ceremony, as part of the celebration marking 25 years with SSIT, the Alumni of the 2001 batch were felicitated. More than 30 alumni from the 2001 batch participated in the event. The event was winded up by the presidential address by Dr. M.S Raviprakasha, Principal, SSIT, President, Alumni Association. The grand success of “Sethu Bandha-2025” was the result of the collective efforts and dedicated contributions of all the organizing committee heads, members and all alumni faculty of all departments. The event concluded with memorable photographs, followed by lunch.

In view of the ever increasing requirement to support research and development among students and young faculty, in various domains of Cutting Edge Technology, the “Lecture Series on Emerging Research Topics” is organized every week at SSIT, Tunakuru. This is expected to help the young researchers to get motivated besides giving the elite platform for the successful researchers to present their innovative research topics. In this context, the lecture of the third series has been arranged as per the schedule below:



Dr. Hareesh K N, Assoc. Prof., Dept., of ETE, with the title “ Multimodal fusion of brain imaging data for detection and clasification of brain tumor” on 12th December 2025.



Dr. Shivaraju G D, Assoc. Prof., Dept., of CV, with the title “ Formulation of Geopolymer Composite for Low Cost Housing” on 19th December 2025.



The Internal Quality Assurance Cell (IQAC) in association with Medical College and Ashwini Ayurvedic Tumakuru organised Dr. H M G Extramural Lecture on the topics “Awareness on Paralysis, Ano Rectal Diseases and General Health” on 17th December 2025.



SSAHE has entered into a strategic collaboration with UpGrad School of Technology to embed an industry-alligned School of Technology within engineering programs like Quantum Computing, Robotics and Full stack Engineering.



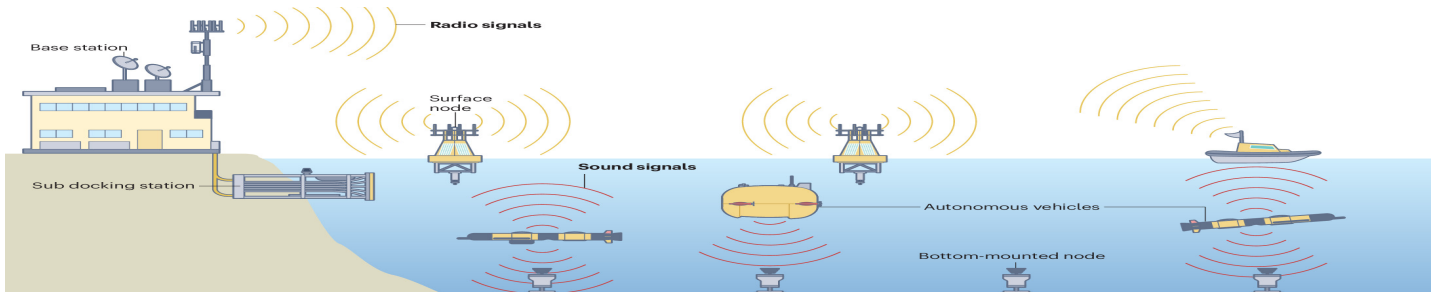
Dr. Vivek Veeraiah, Professor, Dept. of CSE, Advisor to Chancellor is congratulated for his research achievement in publications and citations.

NCC

- Two day's Social service activity was conducted at Gowrganahalli village, Koratagere (Tq), Tumkur(Dist). Our NCC cdts participated enthusiastically, taking part in activities such as cleaning the public areas and awareness about the Health and Hygiene. Their active involvement reflected a strong sense of social responsibility and commitment to the values of cleanliness and nation-building on 6th – 7th December 2025.
- National Energy conservation day was conducted at 4Kar Bn NCC, Tumkur. Our NCC cdts actively participated in this event on 13th December 2025.
- Disability support work/Aid conducted at Mahatma Gandhi stadium, Tumkur . our NCC Cdts are participated in this event on 14th December 2025

Technical Article

Recent Trends in Acoustic Communication



Recent trends in acoustic communication show significant growth driven by advances in signal processing, artificial intelligence, sensor technology, and interdisciplinary research. In engineered systems, underwater acoustic communication remains a central area because sound waves are the most effective means of long-distance transmission in aquatic environments where radio waves are severely attenuated. Researchers are focusing on improving data rates and reliability through advanced modulation schemes, adaptive equalization, and AI-based noise reduction techniques that can cope with multipath propagation, Doppler effects, and ambient ocean noise. These developments support the expanding use of autonomous underwater vehicles, distributed sensor networks, and real-time monitoring systems for applications such as oceanographic research, offshore energy exploration, environmental surveillance, and defense. Another important technological trend is the emergence of hybrid communication systems that integrate acoustics with optical or radio-frequency links, allowing systems to exploit the long-range capability of sound while achieving higher data throughput over shorter distances. At the same time, miniaturization of acoustic sensors and low-power electronics is enabling dense networks and long-term deployments, making large-scale acoustic monitoring more practical and cost-effective. Beyond technological applications, bioacoustic communication has become a rapidly growing research field, supported by high-resolution recording devices and machine learning tools capable of analyzing massive acoustic datasets. Studies of animal communication, particularly in marine mammals, birds, and insects, reveal increasingly complex vocal structures and social signaling patterns, challenging earlier assumptions about the simplicity of non-human communication systems. AI-driven analysis is now widely used to classify species, track populations, and explore the potential presence of structured or rule-based communication in animal sounds. Emerging research also suggests that sound may play a broader role in ecological interactions than previously recognized, extending even to plants and microorganisms. Across both technological and biological domains, a unifying trend is the shift from passive listening or basic transmission toward intelligent, adaptive acoustic systems that can learn from their environment, respond in real time, and extract meaningful information from complex soundscapes. Overall, acoustic communication is evolving into a mature, interdisciplinary field that connects engineering, biology, environmental science, and data analytics, with growing importance in both understanding natural systems and enabling robust communication in challenging environments.



Dr. Vidyalakshmi K
 Associate Professor
 Dept. of CSE(DS)

Quote of the month



“Failure will never overtake me if my determination to succeed is strong enough”

| A.P.J. Abdul Kalam



January Notifications

- (i) Republic Day celebration
- (ii) Lecture Series
- (iii) Extramural Series
- (iv) SEE for students

Person of the month

Jatin Das (1941)

Jatin Das is one of India’s most celebrated contemporary artists, known for his powerful and expressive depiction of the human figure. Born in 1941 in Mayurbhanj, Odisha, he showed an early interest in art and later studied at the M.S. University of Baroda, one of India’s most prestigious art institutions.

Jatin Das is best known for his capture movement, rhythm, and musicians, workers, and every-ty of life. Instead of focusing on and expression, giving his art a body, in motion or rest, remains



figurative paintings and drawings, which emotion. His works often portray dancers, day human activities, reflecting the vitali-fine details, he emphasizes energy, form, dynamic and dramatic quality. The human the central theme of his artistic exploration.

Apart from painting, Jatin murals, graphics, and stage in important public spaces across India, including airports and cultural institutions. He has also illus-trated books and designed sets for theatre and dance performances, showing his versatility as an artist.

Das has worked extensively in sculpture, design. His large murals can be seen

Jatin Das has played a significant role as an art educator and mentor. He founded the JD Centre of Art in Bhu-baneswar to promote art education and support young artists. His contributions to Indian art have been wide-ly recognized, and he has received several honors, including the Padma Bhushan for his service to the arts.

Through his lifelong dedication to creativity and education, Jatin Das has made a last-ing impact on modern Indian art and continues to inspire future generations of artists.





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