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Editors Message

It gives me immense pleasure to present this edition of our college newsletter. Our institution continues to strive for excellence in every sphere of education. We believe in nurturing knowledge, leadership, creativity, and teamwork. The enthusiasm of our students and faculty is clearly reflected in these pages. Each event and initiative showcases our collective commitment to progress.

This newsletter highlights notable student achievements and milestones. It also presents various departmental initiatives undertaken with dedication. Outreach activities featured here reflect our social responsibility. The spirit of participation and collaboration is evident throughout. Every contribution is a testimony to sincere effort and teamwork. We were pleased to welcome the audit team to our campus recently. The visit was a significant milestone for our institution. It reflected our commitment to quality, transparency, and accountability. The preparedness shown by all departments was truly commendable. Documentation, records, and presentations were organized meticulously. The cooperation extended by faculty and staff deserves special appreciation. I sincerely thank every member of the institution for their hard work. Your discipline and dedication made the audit process smooth and successful. Such teamwork strengthens the foundation of our academic environment. I extend heartfelt appreciation to all contributors to this newsletter. Special thanks to the coordinators who compiled and organized the content. Your efforts have made this publication meaningful and informative. Let us continue to uphold the same spirit of responsibility. May we move forward with renewed enthusiasm and commitment. Let us learn from every experience and grow together. May this newsletter serve as a source of inspiration for everyone. Let it remind us of the power of unity and shared vision. We look forward to many more milestones in the days ahead. Your continued participation adds value to our institutional journey. Wishing all readers an engaging and informative experience.

Dr.Prathibha S.B

Publications and Conferences

Dr. Renukalatha S, Prof., and Head, CSE(CY) & Dean Academics, SSIT has published a paper Adaptive Graph Attention Learning with Sparse Flow Optimization for Electrocardiogram-based Arrhythmia Classification, International Journal of Intelligent Engineering and Systems, Vol.x, No.x, 20xx, DOI: 10.22266/ijies2019.xxxx.xx

Dr. Manjula Yerva, Prof and Haripriya R, Asst.Prof. of AIML Department presented the paper titled "Hybrid ANN-PSO Based Predictive Model for Corrosion and Structural Degradation in Aerospace materials" during CORSYM 2026 organised by SSIT College, Tumkur; the paper was adjudged Best Paper on 20th & 21st February 2026.

Dr. C. K. Raju Prof & Head, **Dr Savitha C** Assoc. Prof. & **Vindya A S** Asst. Prof, of AIML Department presented the paper titled “A Predictive Maintenance Frameworks: Unsupervised Staging of Metal Oxide in Micro-Imaging” during CORSYM 2026 organised by SSIT College, Tumkur on 20th & 21st February 2026.

Dr. Purnima PS, Assoc. Prof. from Department of BME published a Journal paper titled “Brain MRI - Based Alzheimer’s Disease Prediction Using CNN-Driven Deep Learning Framework.” in 3rd International Conference on Integrated Intelligence and Communication systems (ICIICS-2026) Organized by Sharanbasava University, Kalaburgi, 20-21 February 2026.

Dr. Ashwini K, Assoc. Prof from Department of BME, her Journal paper titled “Class Imbalance Resolution in IoT Networks using Advanced ELK Herd Optimization with SMOTE and Iteratively fine-tuned Deep BILSTM” is accepted and to be published in IAES(IJAI) 22nd Jan 2026.

Mr. Rakesh M. Asst. Prof., Dept of Civil Engg., and **Dr. Supriya C B.** Assoc. Prof., Dept of Civil Engg., have presented a paper “Green Corrosion Inhibitors using Parthenium” in a International Conference CORSYM 2026 organized by AMPP India & AMPP SSIT and got best paper award on 21.02.2026.

Dr Pradeep A R. Assoc. Prof., Dept of Civil Engg., has participated and presented a paper on ‘Investigation of strength properties of concrete incorporating blast furnace slag with fiber wire mesh arrangement’ at the II nd International Conference on Innovations in Sustainable and Digital Construction Practices (ISDCP) 2026 organized by the Department of Civil Engineering, Dayananda Sagar College of Engineering, Bengaluru, Karnataka - 560 111, during 5-6 February, 2026.

Mr. Mohan Kumar C M, Asst Prof., Dept. of ECE., presented paper titled “Control and Optimization of Grid-Connected Wind Energy Systems Using MPPT and Hybrid Controllers” at 1st International Conference on Artificial Intelligence and Data Science organized by Anu Bose Institute of Technology for Women, in collaboration with Rademics Research Institute on February 06th and 7th 2026.

Dr. Keshavamurthy T G, Asso. Prof., Dept. of ECE., presented paper titled “A Time-Efficient and Eminently Reliable Image Encryption Scheme for Secured Multimedia Communication” at IEEE Technical Sponsored 2026 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES 2026) organized by St. Joseph’s Institute of Technology (Autonomous), Chennai, Tamil Nadu, India on January 29th and 30th 2026.

Mrs. Sowmya K R Asst. Prof. **Dr. Ravi Prasad D** Assoc. Prof. Dept. of EEE have Presented a Paper titled “Comparative Analysis of Dielectric Properties of Insulating gases and Gas Mixtures as SF6 Alternatives” awarded best paper in the Symposium corrosion in industries during CORSYM 2026 held at SSIT, Tumkur from 20th to 21st February 2026.

Mrs. Shaheena Khanum Asst. Prof. **Dr. Ravi Prasad D** Assoc. Prof. Dept. of EEE have Presented a Paper titled “Prevention of Corrosion on Semiconductor Devices in offshore Wind Power Systems” during CORSYM 2026 held at SSIT, Tumkur from 20th to 21st February 2026

Mrs. Likitha U N Asst. Prof. **Dr. Jagadisha K R** and **Dr. Pradeep N** Assoc. Prof. Dept. of EEE have Presented a Paper titled “Neural Network modelling of Nitrogen insulated Electrical Systems for Enhanced material Protection” during CORSYM 2026 held at SSIT, Tumkur from 20th to 21st February 2026.

Dr. Girish S K Assoc. Prof. **Mrs. Shwetha T M** Asst. Prof. **Dr. N Pradeep** and **Dr. Jagadisha K R** Assoc. Prof. Dept. of EEE have published a Paper titled “Electric Field Distribution in Oil/Press board Insulation during PD Activity under Uniform and Non-Uniform Field Stress” published in International Journal of All Research Education and Scientific Methods (IJARESM), Impact factor: 9.175, ISSN: 2455-6211, Volume 14, Issue 2 on 19th February 2026

Ms. Priyanka N M Asst. Prof. **Dr. Yogananda B S** Assoc. Prof. Dept. of EEE have presented a Paper titled “Effect of Corrosion in Automative DC-DC Converter-Review” during CORSYM 2026 held at SSIT, Tumkur from 20th to 21st February 2026.

Dr. Shilpa G N & Dr. Nataraja C Assoc. Prof. Dept. of EEE have published a paper titled “Control and Optimization of Grid- Connected Wind Energy Systems using MPPT and Hybrid Controllers “ published at 1st International Conference on Artificial Intelligence and Data Science organised by AnuBose Institute of Technology for Women’s in Collaboration with Rademics Research Institute, during 06th to 7th February 2026.

Dr Bhaskar H B, Dr D Ramesh, Prof, Dr Lohith N, Asso Prof Dept of ME Presented and Received the Best Paper Award title “Comparative Study of Corrosion Behaviour and Mechanical Properties of Al/Beryl MMC’s” during CORSYM-2026 organized by Dept of ME , Sri Siddhartha Institute of Technology, Tumkur on 20th & 21st February,2026.

Dr. Batluri Tilak Chandra,Asso Prof, Dept of ME Presented and Received the Best Paper Award title “Microbiologically Influenced Corrosion”during CORSYM-2026 organised by Dept of ME, Sri Siddhartha Institute of Technology, Tumkur on 20th & 21st February,2026.

Dr. Sunil K. Prof & Head, Dept of Chemistry published an article entitled “Synthesis, crystal structure, DFT, and drug-likeness evaluation of an oxadiazole-based compound with biological potential” in the journal “Journal of Molecular Structure” Published by Elsevier (IF=4.7, Quartile 1- Indexed in Scopus and WOS)-<https://doi.org/10.1016/j.molstruc.2026.145549>

Mr. Pruthviraj K, Asst.Prof & **Dr. Sunil K** Prof & Head, Dept of Chemistry published an article entitled “Synthesis, photophysical and DFT studies of a benzothiadiazole-based bis-Schiff base derivative and its in-silico evaluation as a Sonic Hedgehog protein inhibitor” in the journal “Molecular Physics” Published by Taylor and Francis (IF=1.8, Quartile 2- Indexed in Scopus and WOS)-<https://doi.org/10.1080/00268976.2026.2615021>

Dr. Jayaprakash H V, Prof, Dept. of Chemistry presented a paper on “Advances in Materials science and Metallurgy for next generation Engineering applications”, “Corrosion Monitoring & Data analysis in Oil and Gas pipeline systems”, “Application of Data analytics in Corrosion detection and testing Methods”,

“Real time Corrosion Monitoring & data analysis for Asset integrity Management”, “Competence of Ceria-Zirconia for 304 stainless steel: as a green corrosion cathodic inhibitor”, “Hybrid ANN-PSO based predictive model for Corrosion & structural degradation in Aerospace Materials”, “Synthesis and Characterization of ZnO Nanoparticles and biomedical applications” In the International Symposium CORSYM” in the International Symposium CORSYM” on 20th & 21st. Organized by Department of Mechanical Engineering, SSIT, Tumkur-572105.

Mr. Pruthviraj K Asst. Prof & **Dr. Sunil K** Prof & Head, Dept of Chemistry presented a paper entitled “Design, synthesis of a Novel Tris-Schiff Base Fluorescent Probe for Anti-Counterfeiting, LFP Imaging, and In-Silico COX-2 Inhibition” In the “International conference on Current Innovations In Chemical And Applied Sciences- CICAS-2026” held on 05-02-2026 & 06-02-2026. Organized by Department of Chemistry, Bangalore University, Bengaluru, Jnanbharathi, in association with Royal Society of Chemistry & PM-USHA

Dr. M. Nagaraja, Prof, Dept. of Physics reviewed two research papers for the SCOPUS indexed journals Surfaces and Interfaces and International Journal of Materials Research. He attended Five-Days “Familiarisation workshop on Quantum Computing”, conducted by Foundation for Quantum Computing Innovation (FQCI), Indian Institute of Science, Bengaluru from February 9th to 13th February 2026 and He served as an External Examiner for Viva-Voce defense of a Ph.D candidate at Srinivas University, Mukka, Suratkal, Mangalore.

Dr. Nirmala G, Assoc. Prof, **Dr.Sujatha S R** Prof, **Shwetha M K** Asst. Prof. Dept. of CSE, presented a research paper entitled “Security Challenges and Mitigation Strategies in Blockchain-Based Network: A Survey” at the SSAHE Journal of Interdisciplinary Research, Vol.6, Issue 2, 2025.

Shwetha M. K Asst. Prof., **Dr. Vivek Veeraiah** Prof, **Dr. Nirmala G** Assoc. Prof, Dept. of CSE, presented a research paper entitled “Remote Patient Monitoring in Healthcare Systems: A Comparative Analysis” at the SSAHE Journal of Interdisciplinary Research, Vol.6, Issue 2, 2025.

Faculty Achievements

Haripriya R, Asst. Prof, AIML Department served as Resource Person during five day FDP on “Applied Cybersecurity: Kali Linux, Ethical Hacking and AI – Driven Defence Mechanism” organized by Department of Electronics and Communication Engineering, SSIT College, Tumkur from 4th to 8th February 2026.

Dr. Pradeep M N and Dr. Purnima P S Assoc. Prof. from Department of BME Organized an industrial visit to Panacea Medical Technologies Pvt. Ltd. on 27th February for the III and IV year students of the department as part of the department’s academic enrichment activities.

Dr. Raju A.S Prof & Head, **Kantharaju**, Asst. Prof. Department of BME visited Andra Pradesh Medtech Zone (AMTZ) Vishakapattanam on 16.02.2026 and Successfully Signed the MoU for Academia Industry collaboration.

Dr. Sahana T S., Assoc. Prof.& Head., Dept of Civil Engg., was the session chair in a International Conference CORSYM 2026 organized by AMPP India & AMPP SSIT under the theme Steel and Concrete Corrosion on 21.02.2026.

Dr. Roopa N K Assoc. Prof, Dept. of CSE, Served as a Reviewer and contributed significantly to the successful conduct of the “First International Conference on Intelligent Computing and Automation for Sustainable Solutions”, organised by the Manav Rachna University, on 12th and 13th February 2026.

Dr. Pratibha S.B Assoc. Prof, Dept. of CSE , delivered the session on “Generative AI for Student Knowledge Enhancement” – Empowering Students with Next-Generation AI Skills on 25th February 2026, at Dewan V.S. Institute of Engineering and Technology, Meerut, organised by Department of AI-ML /AI-DS.

Dr. Supriya M C, Prof and Head, CSE (Data Science), organized a Five Days Faculty Development Program on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Dr. Pushpa Latha K R, Assoc Prof, CSE (Data Science), served as a resource person for the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026. **Dr. Vidyalakshmi K**, Assoc Prof, CSE (Data Science), served as a resource person for the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Mr. Sunil Kumar B K, Asst Prof, CSE (Data Science), successfully coordinated the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Dr Ghouse Ahamed Z, Asst Prof., Dept. of ECE., was a resource person in a five-day FDP on “Applied cybersecurity : Kali linux Ethical Hacking AI-Driven defence mechanisms” organized by Dept. of ECE, SSIT, Tumakuru.

Dr Komala K, Assoc. Prof., Dept. of ECE., was a resource person at Management Development Programme(MDP)on“CyberSecurityandDigitalMarketing” in collaboration with Shree Matha Foundation, Tumakuruorganized by Sri Siddhartha Institute of Management Studies, Tumakuru on 26th February 2026.

Dr Komala K Assoc. Prof., Dept. of ECE in association with IEEE Robotics and Automation Society (RAS), SSIT Student Branch organized a technical talk on “Getting Started with Robotics”, for IInd ECE year students with **Dr. A. A Nippun Kumaar**, Chair of IEEE RAS Society and Senior Member of IEEE, Bangalore Chapter as a Key Speaker on February 20/02/2026.

Dr. Shyla M.K, Assoc. Prof., Dept. of ECE. Contributed as a Reviewer in DST ANRF Sponsored “2026 IEEE Contemporary Computing Innovations Conference-(CCIC 2026)”, #68129, Technically cosponsored by IEEE Region 10, organized by Department of Data Science, School of Computing, Mohan Babu University, Tirupati, Andhra Pradesh, during 06th and 7th February 2026.

Mrs Sujatha G S and Mr Mohith Nayaka, Asst. Prof, Dept of CSE(CY), SSIT, Tumakuru has served as a Resource person for the Five-Day FDP on “Python Programming for Beginners”

Student Achievements

S. K. Abhyudhy, student of 4th year, AIML Department presented the paper titled “A Predictive Maintenance Frameworks: Unsupervised Staging of Metal Oxide in Micro-Imaging” during CORSYM 2026 organised by SSIT College, Tumkur on 20th & 21st February 2026.

Inchara, student of 3rd year, AIML Department presented the paper titled “Hybrid ANN-PSO Based Predictive Model for Corrosion and Structural Degradation in Aerospace materials” during CORSYM 2026 organised by SSIT College, Tumkur; the paper was adjudged Best Paper on 20th & 21st February 2026.

Rishi Ijjanthkar and **Manyatha Maganur** students of 3rd year, AIML Department served as Resource person for the 3 days LinkedIn workshop organized by IEEE SSIT WiE AG in association with IEEE SSIT SB.

Aun B Prashanth, Siri K R, S. K. Abhyudhy, Vishruth and Mohammed Khais students of 4th year, AIML Department attended the “Cybersecurity Finishing School Program” conducted by the Centre of Excellence for Cybersecurity - Karnataka (CySecK) at Siddaganga Institute of Technology. The program, held from 19th January 2026 to 10th February 2026, comprised 180 hours of intensive, hands-on training, mentoring, and industry-aligned skill development in the cybersecurity domain.

Raghav K. Reddy, 6th semester student, Dept. of CSE, has received an Offer Letter from Prodigy Infotech for the position of Web Development Intern on 15th February 2026

Hindushree M C Dept. of CSE, Participated and successfully completed a Seven-Day Residential Training Programme under the Yuva Aapda Mitra Scheme, associated with the National Training Group (NTG) – Scouts and Guides, held from 2nd February 2026 to 8th February 2026. organized by the The Bharat Scouts and Guides Karnataka under the aegis of the National Disaster Management Authority, Government of India, At Brindavan Group of Institutions, Dwarakanagar, Bengaluru.

Akhyarulla Dept. of CSE, Participated and successfully completed a nine-Day Residential Training Programme under the Yuva Aapda Mitra Scheme, associated with the National Training Group (NTG) – Scouts and Guides, held from 1st February 2026 to 10th February 2026. organised by the The Bharat Scouts and Guides Karnataka under the aegis of the National Disaster Management Authority, Government of India, At Brindavan Group of Institutions, Dwarakanagar, Bengaluru.

6th semester students of EEE department Mr. Venkatesh Joshi and Mr. Prajwal under the guidance of Dr. Praveen Kumar C have participated in project Expo “Anveshana”, Bangalore during 25th and 26th Feb. 2026.

6th semester student of EEE department Mr. Venkatesh Joshi has participated in “IEEE volunteers meet” at IISC, Bangalore on 28th Feb. 2026.

Mr. Dheemanth M Khandke Student Dept. of ISE and Mr. Abhishek S Student Dept. of ISE of first year secured 1st prize in the mini project competition conducted by ETE Dept. on 7-3-2026.

Faculty Participation

Dr. Manjula Yerva Prof. and Dr Savitha C Assoc. Prof. attended five days FDP on “Applied Cybersecurity: Kali Linux, Ethical Hacking and AI – Driven Defence Mechanism” organized by Department of Electronics and Communication Engineering, SSIT College, Tumkur from 4th to 8th February 2026.

Dr Savitha C Assoc. Prof. and **Chandana V** Asst. Prof. attended an awareness programme on Intellectual Property Rights (IPR), organized by MSME Development & Facilitation Office, Bengaluru at SSIT, Tumkur on 16th February 2026.

Vindya A S, Mallesh H L, Chandana V, Jeevan M and Manoj D R, Asst. Prof., AIML Department, attended five days FDP on “Python Programming for Beginners” organized by Department of CSE (Cyber Security) and Department of CSE (Data Science), SSIT College, Tumkur from 2nd to 6th February 2026.

Dr Pradeep A R. Assoc. Prof., Dept of Civil Engg., has participated in International Technical Webinar titled “ Rubbercrete Bricks: Pioneering sustainable construction with scrap tyre innovation” organized by Department of Civil Engineering, National Engineering College, Kovilpatti, Tamilnadu on 14.02.2026.

Mr. Guruprasad T N. Asst. Prof., Dept of Civil Engg., has participated in International Technical Webinar titled “ Rubbercrete Bricks: Pioneering sustainable construction with scrap tyre innovation” organized by Department of Civil Engineering, National Engineering College, Kovilpatti, Tamilnadu on 14.02.2026.

Dr. Pradeep A. R. Assoc. Prof., Dept of Civil Engg., has participated in Student Development program focused on Intellectual Property Rights, held on February 16, 2026 at SSIT TUMKUR

Dr. Supriya C B, Assoc. Prof., Dept of Civil Engg., has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Modeling and Simulation of Composite Materials: Fabrication, Characterization and Applications” at ELITTE COLLEGE OF ENGINEERING (online) from 09th -14th February 2026.

Mrs Hema H. Asst. Prof., Dept of Civil Engineering has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Modeling and Simulation of Composite Materials: Fabrication, Characterization and Applications” at ELITTE COLLEGE OF ENGINEERING (online) from 09th -14th February 2026.

Dr. Supriya C B., Assoc. Prof., Dept of Civil Engg., has participated in Five Days FDP on “Python Programming for Beginners” organised by Department of CSE (Cyber Security) & Department of CSE (Data Science) from 2nd-6th February 2026 at SSIT, Tumakuru.

Mrs Hema H. Asst. Prof., Dept of Civil Engineering has participated in Five days Faculty development Program on “Python Programming for Beginners” organised by Department of CSE (Cyber Security) & Department of CSE (Data Science) from 2nd-6th February 2026 at Sri Siddhartha Institute of Technology, Maraluru, Tumakuru.

Mrs. Kavya N Asst Prof., Dept of Civil Engineering has participated in a Student Development program on “Awareness Programme on Intellectual Property Rights (IPR)” on 16 February 2026. Organized by the MSME Development & Facilitation Office, Bengaluru with IQAC - IPR Cell SSIT, Tumakuru.

Dr Usha S., Assoc. Prof, Dept of Civil Engineering, participated in the Anveshana Science and Engineering Fair 2025-26, held on 25th -26th February at Shikshana Sadana, Bengaluru. The event was organized by Agastya International Foundation in collaboration with Synopsys and brought together innovative projects from students across South India. Under her guidance, four B.E., students along with two government school students presented the project.

Dr. Asha K R, Dr. Babitha M N Assoc. Prof, **Madhumala G, Shwetha M K,** Asst. Professor, Dept. of CSE, Participated and successfully completed the “One-Day Outreach Summit on Emerging Technologies and Professional Skill Development” held on 21st February 2026 , organized by the IEEE Bangalore Section in association with the International Institute of Information Technology Dharwad ,at the Skill Development Centre, IISc Chellakere Campus, Karnataka.

Dr. Roopa N K Assoc. Prof, Dept. of CSE, Participated and successfully completed the Student Development Programme on “Awareness Program on Intellectual Property Rights” held on 16th February 2026, organised by the MSME Development and Facilitation Office in association with Sri Siddhartha Institute of Higher Learning (IQAC & IPR Cell).

Dr. T S Bharath Assoc. Prof, Dept. of CSE, organised and successfully conducted a Five-Day Training Program on “Cybersecurity Essentials” in association with Check Point SecureAcademy for the students of the Department of Computer Science and Engineering held from 9th February 2026 to 13th February 2026 at Sri Siddhartha Institute of Technology.

Shwetha M. K, Asst. Prof, Dept. of CSE, Participated and successfully completed the Five-Day Faculty Development Program on “Applied Cyber security, Kali Linux, Ethical Hacking, and AI-Driven

Defence Mechanism” held from 4th to 8th February 2026, organised by the Department of Electronics and Communication Engineering at Sri Siddhartha Institute of Technology, Tumkur.

Shwetha M. K, Asst. Prof, Dept. of CSE, Participated and successfully completed the “One-day Outreach Summit on Emerging Technologies and Professional Skills Development” held on 21st February 2026, organised by the IEEE Bangalore Section in association with the Indian Institute of Science, at the Skill Development Center, IISc Chellakere Campus, Karnataka.

Mrs. Asha HR, Asst. Prof., CSE (Data Science), participated in the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Ms. Navyashree R, Asst. Prof., CSE (Data Science), participated in the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026. **Mrs. Swathi KS**, Asst. Prof., CSE (Data Science), participated in the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Ms. Rashmi S, Asst. Prof., CSE (Data Science), participated in the Five Days FDP on “Python Programming for Beginners” at SSIT from 02/02/2026 to 06/02/2026.

Ms. Navyashree R, Asst. Prof., CSE (Data Science), participated in the Student Development Program on “Awareness Programme on Intellectual Property Rights (IPR)” organized by the MSME Development & Facilitation Office in association with IQAC-IPR Cell, SSIT, on 16/02/2026.

Mr. Sunil Kumar B K, Asst. Prof., CSE (Data Science), participated in the Student Development Program on “Awareness Programme on Intellectual Property Rights (IPR)” organized by the MSME Development & Facilitation Office in association with IQAC-IPR Cell, SSIT, on 16/02/2026.

All the faculty members of ECE attended a five-day FDP on “Applied cybersecurity : Kali linux Ethical Hacking AI-Driven defence mechanisms” organized by Dept. of ECE, SSIT, Tumakuru from 4th to 8th February 2026.

Dr. N Pradeep Prof & Head, Dept. of EEE has been invited as a speaker for the State level Online one week FDP on the topic “Evolve: Electric Mobility, Sustainability and Techno-Entrepreneurship” under ISTE chapter organised by Sanjay Gandhi Polytechnic, Bellary, on 14th Feb. 2026.

Dr. Praveen Kumar C Assoc. Prof. Dept. of EEE has been invited as a Resource person on the topic “Event Management and Customer Handling” A Management Development Programme on “Cyber Security and Digital Marketing in Collaboration with Shree Matha Foundation, Tumkur” under IQAC, held at SSIMS, Tumkur 27th Feb. 2026

Dr. Ravi Prasad D Assoc. Prof. Dept. of EEE, **Mrs. Shaheena Khanum** and **Mrs. Sumaya Banu** Asst. Prof. Dept. of EEE have participated in the 5 days’ FDP on “Applied Cybersecurity: Kali Linux, Ethical Hacking and AI-Driven Defence Mechanism” organised by the department of Electronics and Communication, SSIT Tumakuru during 04th – 8th February 2026.

Mrs. Shwetha T.M Asst. Prof. Dept. of EEE has completed the ATAL FDP on “Advanced Perspectives in IOT” at Government College of Engineering Station Road Aurangabad from 09th – 14th Feb. 2026.

Mrs. Shwetha T.M and Priyanka N M Asst. Prof. Dept. of EEE, have participated in five days FDP on “Python Programming for Beginners” organised by the department of Cyber Security and Data Science, SSIT Tumakuru during 2nd – 6th February 2026.

Ms. Priyanka N M, Mrs. Likhitha U N and Mrs. Sowmya K R Asst. Prof. Dept. of EEE have participated in one week FDP on “Evolve: Electric Mobility, sustainability and Techno-Entrepreneurship” organised by the department of E&EE, Sanjay Gandhi Polytechnic during 09th – 14th February 2026.

Mrs. Sowmya K R and Mrs. Likhitha U N Asst. Prof. Dept. of EEE have participated in one week FDP on “Advancements in Industrial Automation” organised by Dr. Vithalrao Vikhe Patil College of Engineering, Ahilyanagar, Maharashtra, India, during 23rd – 27th February 2026.

Mrs. Likhitha U N and Mrs. Sowmya K R Asst. Prof. Dept. of EEE have participated in FDP on

“Cloud Computing” during 19th - 23rd January 2026 for 10 hours organised by Geetanjali Institute of Technical Studies Udaipur & Sri Siddhartha Institute of Technology Tumakuru. Mrs. Likhitha U N Asst. Prof. Dept. of EEE has participated in “IEEE volunteers meet” at IISC, Bangalore on 28th Feb. 2026.

Mrs. Likhitha U N Asst. Prof. Dept. of EEE Likhitha U N has participated in on “IGNITE; Innovation and Entrepreneurship Development” organised by IEEE, WIE society from 23rd to 27th Feb. 2026.

Dr. Jagadisha K R has participated in one week FDP on “Electric Vehicle Powertrain Simulation Using MATLAB and Real-Time Simulator” held from 23rd – 28th February 2026, organized by the Human Resource Development Cell (HRDC), Harcourt Butler Technical University, Kanpur (HBTUK).

Ms. Priyanka N M, Mrs. Sowmya K R and Mr. Nandan N Asst. Prof. Dept. of EEE have participated in a SDP on “Awareness Programme on Intellectual Property Rights (IPR)” organised by MSME, Development and Facilitation Office, Bengaluru with IQAC-IPR cell, SSIT, Tumakuru on 6th February 2026.

Mrs. Sumaya Banu Asst. Prof. Dept. of EEE has participated in a SDP on “Awareness Programme on Intellectual Property Rights (IPR)” organised by MSME, Development and Facilitation Office, Bengaluru with IQAC-IPR cell, SSIT, Tumakuru on 16th February 2026.

Dr. Naveen Kumar A N Assoc. Prof., Dept. of ISE and **Ms. Pooja P** Asst. Prof., Dept. of ISE participated (online) in FDP on “Cyber Security”, from 12th Jan to 03rd Feb 2026.

Mrs. Ranjini H Asst. Prof., Dept. of ISE participated in 5-Days FDP on “Python Programming” organised by Department of Cyber Security, SSIT from 2nd to 6th Feb 2026.

Mrs. Lasya R Asst. Prof., Dept. of ISE participated (online) in FDP on “Data Analytics Using Power BI”, from 2nd to 6th Feb 2026.

Mrs. Lasya R Asst. Prof., Dept. of ISE successfully completed the “Infosys Springboard Certification” in 6 different domains in the month of Feb 2026.

Department Activities

The **Department of AIML** organized a Technical Talk on “Advanced AI Tools for Building Software Solutions” for 3rd-year students on 25 February 2026. The session was delivered by Mr. Renukaprasad T.G., M.Tech, Managing Director, AIKshetra Tech Solution Pvt. Ltd., and was coordinated by Mr. Jeevan M, Assistant Professor, AIML Department. The session focused on the application of Artificial Intelligence tools in modern software development, automation, testing, deployment, and real-world industry solutions.

Department of Civil Engineering successfully organized “Extensive Survey Camp” part of Curriculum for 6th semester students of Civil Engineering at Melukote from 02nd-08th February 2026 (Co-ordinator-Dr. Akshay J)

Department of Civil Engineering successfully organized a career development programme “From Campus to Corporate: Essential Steps for Career Readiness” on 18th February 2026 for 6th and 8th semester students. Resource Person: Prof. Manu. C., Asst Prof. Department of MBA, SSIT Tumakuru. Co-ordinator: Mrs. Hema H., Asst Prof. Department of Civil Engg., SSIT Tumakuru.

Department of Civil Engineering organized National Science Day on 28.02.2026 for faculty, staff and students. Theme; “Women in Science Catalyzing Viksit Bharat”.

The **Department of CSE (Data Science)**, in association with the C2C Club, organized a Technical Talk on “Introductory Session on GitHub Copilot for Developers” on 19th February 2026 for 4th and 6th semester CSE (DS) students. Mr. Akshay K S, Microsoft Certified Trainer, was the resource person, under the guidance of Dr. M C Supriya and coordinated by Dr. Vidyalakshmi K.

Department of CSE(Cyber Security & Data Science) organised Five-Day Faculty Development program on “Python Programming for Beginners” from 02 Feb 2026 to 06 Feb 2026.

Department of CSE(Cyber Security) initiated a technical drive for easy placements in as

sociation with TNS India Foundation along with Technical Talk on Campus to Technical Careers(CT2C) on 17 Feb 2026 for 6th Sem Students. Department of CSE (Cyber Security) along with various Departments (CSE, ISE, DS, AIML, EEE, ETE, MCA) Organised an Industrial Visit to Panacea on 21 Feb 2026.

The **Department of CSE (Cyber Security)** at SSIT organized a three-day workshop titled “Xploit” on Capture the Flag (CTF) starting from 27th February 2026 at Sir M V Block.

The **Department of ECE** organized a five-day FDP on “Applied cybersecurity : Kali linux Ethical Hacking AI-Driven defence mechanisms” from 4th to 8th February 2026 Coordinated by Dr Shyla M K, Asso. Prof., Dept. of ECE., Vidya K V, Asst Prof., Dept. of ECE., and Sriraksha Devaraj, Asst Prof., Dept. of ECE.

The **Department of ECE** organized a Industrial Visit for Second Year Students to Bhoruka Power Corporation Limited on 27th February 2026. Event was Coordinated by Vidya K V, Asst Prof., Dept. of ECE., and Sriraksha Devaraj, Asst Prof., Dept. of ECE.

The **ECE Department** successfully conducted an Alumni Interaction Session titled “Alumni Interaction: Bridging Engineering Education and Industry” on 14th February for 4th semester ECE students, where alumni (2019 Batch) Ms. Sahana and Ms. Amrutha, currently working at Accenture, shared practical insights on industry expectations and career readiness. The session was coordinated by Dr. K. Komala, Alumni Coordinator, and Mrs. Maanasa M R, Alumni Co-Coordinator

IEEE SSIT SB in association with SSIT IEEE WIEAG is hosted a LinkedIn & Personal Branding Workshop exclusively for first year students from 24th to 26th February. Event was coordinated by Dr. Sharada Gupta MN.

The **Department of ETE** organized a 5-day Value Added Course on “Embedded System Design using Arduino” from 24–28 February 2026, in association with Sri Siddhartha Innovation and the IEEE Sensor Council. A total of 61 students registered for

the program. The sessions were conducted by Yogeesh M and Prof. Kevin as the resource persons.

The SSAHE Innovation and Incubation Council, through Sri Siddhartha EmbedX, successfully launched two products on 5 March 2026: the P-RC (PARM Robotic Controller Kit) and the Abhimanyu Robotics Training Kit. Academic and Administrative Audit (External) was successfully conducted on 11th February 2026. Dr. Kavitha, Associate Professor, Dept. of ISE Dept., SSIT carried out the Audit. Department Half-yearly News Letter “Info Edge”, Volume 8, Issue 1 is released in the month of February, 2026.

SSIT organized **Industrial Visit** to PANACEA Medical Technology, Kolar on 21st Feb 2026 for selected 3rd year students in which 5 students from the dept. participated and got benefited.

Industry visit was organized for 4th semester Mechanical Engineering students to VISHNU FORGE Industries Pvt Ltd, Unit II, Vasanthanarasapura, Tumkur on 18th February 2026, Wednesday. The faculty coordinators are Dr Ravikiran, and Dr Annapoorna TL from Dept. of Mechanical Engineering.

The **Department of Mechanical Engineering**, Sri Siddhartha Institute of Technology (SSIT), Tumakuru, in association with the AMPP (I) Chapter and AMPP SSIT Student Chapter, successfully organized **CORSYM-2026**, a two-day International Corrosion Prevention Symposium for Research Scholars on 20th and 21st February 2026. The symposium served as a dynamic platform for researchers, academicians, industry professionals, and students to share knowledge and advancements in corrosion prevention, materials engineering, coatings, and industrial applications. From The Department of Mechanical Engineering, Sri Siddhartha Institute of Technology around sixteen journal papers are presented in the CORSYM-2026.



AAA (Academic and Administrative Audit) at Sri Siddhartha Institute of Technology conducted on 11th February 2026 evaluates the quality of teaching, learning, and institutional management. It reviews academic processes, administrative efficiency, infrastructure, and documentation. The main aim is to improve institutional performance, ensure quality standards, and support continuous development.



Dr. B S Yogananda has been appointed as Asst. Training & Placement Officer, SSIT On 12th



CORSYM 2026 is a technical symposium organized by the Department of Mechanical Engineering that brings together researchers, academicians, and students to discuss emerging trends in corrosion science and engineering. It provides a collaborative platform for knowledge sharing, innovation, and interdisciplinary research focused on corrosion prevention and materials performance.



The IQAC-IPR Cell in association with the MSME Development & Facilitation Office, successfully organized an Awareness Programme on Intellectual Property Rights (IPR) on 16 February 2026 at GP Nexus Auditorium, Sir M. V. Block, SSIT.

our Principal, Dr. Nadakatti has successfully published a research paper "Dynamic Stabilizing in Ballasted Railway Maintenance: Novel Model and Parameter Optimization Based on DEM-MFBD Coupling Method" in a Q1 indexed journal — a remarkable academic accomplishment that brings great pride to SSIT. It's in a collaboration with research University, BJTU, China. This achievement reflects his commitment to research excellence and sets a strong benchmark for all of us



Students from Empress School visited our campus for an educational tour to observe the water treatment plant, electrical laboratories, sewage treatment plant (STP), and library facilities. The visit aimed to provide practical exposure to infrastructure, technology, and learning resources. It helped students gain real-time knowledge about water management, electrical systems, and institutional facilities.

Industrial Visits



The EEE students visited the historic Barooka Hydro Power Plant located at Shivanasamudra on 27th Feb 2026, as part of an industrial exposure program. This visit provided valuable insight into one of the earliest hydroelectric power stations in Asia and its contribution to the development of power generation in the region. Students observed the functioning of turbines, generators, control panels, and water flow mechanisms used to convert hydraulic energy into electrical energy.

The engineers at the plant explained the operational principles of hydroelectric generation, maintenance practices, and safety measures followed at the station. The visit helped students connect classroom concepts of power generation, transmission, and control with real-time industrial applications. Overall, the industrial visit was highly informative and enhanced the students' practical understanding of renewable energy systems.

Sports



8th international Staff tournament at PES University Bangalore, SSIT, Volleyball team' winners



National level inter College Staff sports fest organizing by saphthagiri NPS University Bangalore, SSIT staff, Volleyball team' participated Got 1st place

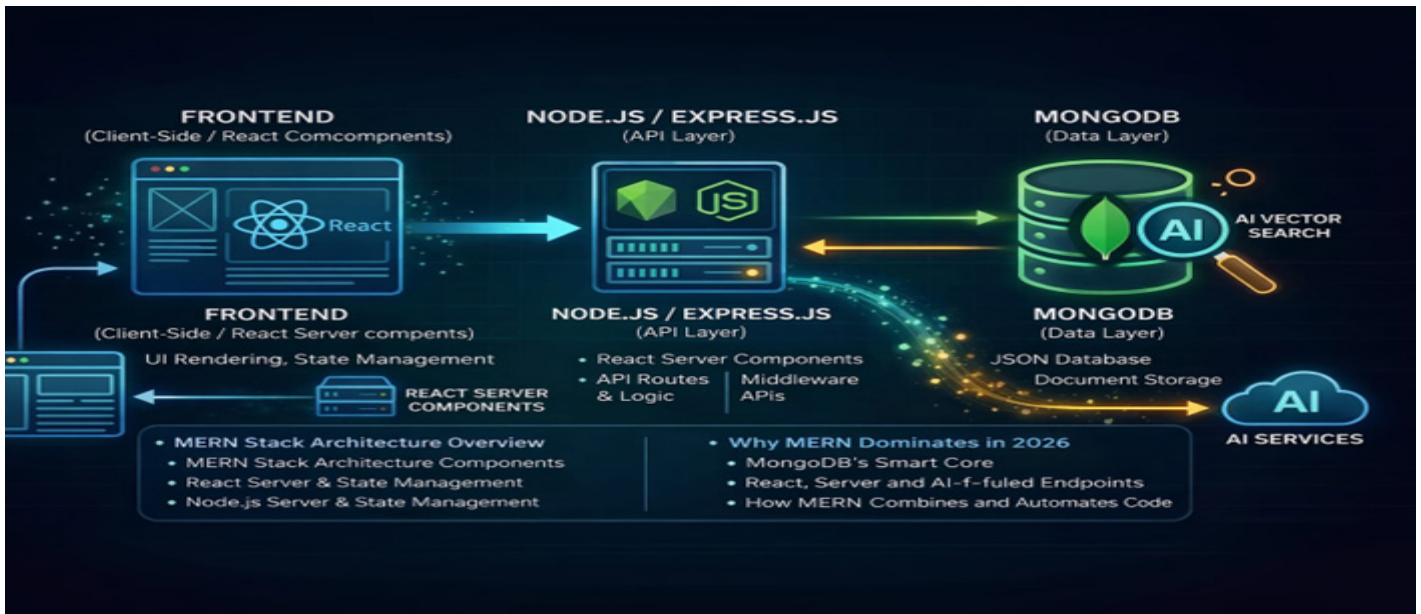


National level inter College Staff sports fest organizing by saphthagiri NPS University Bangalore, SSIT staff, Throw ball women's team' participated Got 2nd place



Technical Article

MERN STACK 2026: The AI-Driven Evolution of Web Development



The MERN stack (MongoDB, Express, React, Node.js) continues to evolve in 2026 with strong integration of AI-driven features. This evolution enhances web development by enabling smarter applications, real-time processing, and improved user experiences.

MongoDB's Smart Core: MongoDB now includes AI-powered capabilities such as vector search and real-time data processing. It efficiently manages large-scale data using BSON document storage and supports intelligent querying.

Node's Efficient Processing: Node.js and Express.js serve as the API layer, handling server-side logic, API routes, and real-time streaming. AI integration helps in optimizing backend performance and enabling faster data handling.

React's Advanced Front-End: React introduces advanced UI rendering techniques, including React Server Components and improved state management. These features allow developers to build highly interactive and responsive user interfaces.

AI Integration: AI and Large Language Models (LLMs) are integrated into the MERN stack for real-time insights, automation, and intelligent decision-making. This makes applications smarter and more efficient.

The Future is Now: The MERN stack is becoming the backbone of modern web development, combining AI capabilities with full-stack efficiency. It enables scalable, real-time, and intelligent applications for the future.



Tarun Kumar V.S
 23CS163 6th Sem C Sec
 Dept. of CSE.

Quote of the month

Simplicity
is the glory of expression.

Walt Whitman

March Notifications

- (i) Kalotsava scheduled on 27th & 28th March 2026
- (ii) Lecture Series.

February: The Month of Renewal, Reflection, and Quiet Strength

February may be the shortest month of the year, but it carries a depth of meaning that often goes unnoticed. Nestled between the fresh enthusiasm of January and the blooming promise of March, February stands as a bridge—inviting us to pause, reflect, and renew our inner selves.

One of the most striking aspects of February is its symbolism of renewal. In many parts of the world, this month signals the subtle transition from winter to spring. Trees begin to prepare for new leaves, the air carries a hint of change, and nature quietly readies itself for rebirth. Much like nature, February encourages people to shed old worries and prepare for new beginnings.

February is also widely recognized as the month of love and compassion. Celebrated across the globe through Valentine's Day, it reminds us of the importance of relationships—not only romantic ones but also bonds with family, friends, colleagues, and even ourselves. It is a gentle reminder that expressing gratitude, kindness, and care should not be reserved for a single day but practiced throughout life.

Historically, February has been associated with reflection and purification. Its name is derived from the Latin word Februa, meaning cleansing. This meaning resonates deeply as the month encourages emotional and mental cleansing. After the rush of the new year, February provides the perfect opportunity to slow down, reassess goals, and realign with one's purpose.

Another unique feature of February is its unpredictability. Some years it brings an extra day—a leap year—reminding us that time is both structured and flexible. This rare addition of a 29th day symbolizes the value of time and the importance of making every day count.

Though it has fewer days, February carries powerful messages of love, renewal, reflection, and preparation for growth. It is a month that whispers rather than shouts, inviting us to listen to our inner voice and prepare for the brighter days ahead. As we move through February each year, let us embrace its quiet strength, take time to reconnect with ourselves and others, and step forward with renewed hope and clarity.



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ADMISSIONS OPEN 2025-26

UG Programs

- Artificial Intelligence and Machine Learning
- Bio Medical Engineering
- Civil Engineering
- Computer Science & Engineering
- Computer Science & Engineering (Data Science)
- Computer Science & Engineering (Cyber Security)
- Robotics and Artificial Intelligence
- Information Science & Engineering
- Electronics & Communication Engineering
- Electronics & Telecommunication Engineering
- Electrical & Electronics Engineering
- Mechanical Engineering

Media Programs

SRI SIDDHARTHA CENTRE FOR MEDIA STUDIES

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- M.Sc Electronic Media

PG Programs

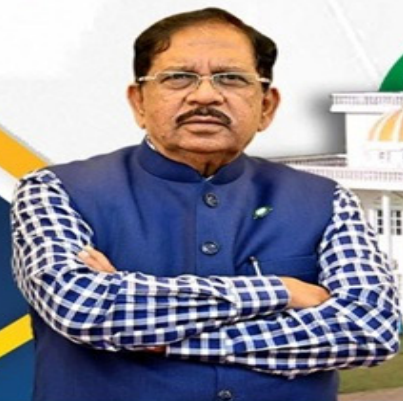
- Computer Aided Design of Structures
- Computer Application in Industrial Drives
- Computer Science and Engineering
- Digital Electronics
- Product Design and Manufacturing
- Thermal Power Engineering
- VLSI and Embedded Systems
- **Masters in Computer Applications (MCA)**
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Honorable Chancellor, SSAHE



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