



About CSE Department

The Department of Computer Science & Engineering, established in 2011 with an initial intake of 60 students, has grown exponentially over the years. We expanded to 120 students in 2019 and now proudly accommodate 180 students as of 2022.

Our department is home to a dedicated and talented faculty, including many with doctorates and others actively pursuing their Ph.D. Their expertise isn't just confined to the classroom; our faculty members have published numerous technical papers in national and international journals and conferences. They also take on significant institutional responsibilities and are deeply involved in cutting-edge interdisciplinary research.

We believe in a holistic education that goes beyond the curriculum. Our department actively encourages students to engage in a variety of extracurricular and sports activities, fostering well-rounded growth.

At the heart of our department's philosophy is the commitment to applying knowledge to real-world challenges. We empower our students to use the skills they learn in the classroom to solve practical problems, preparing them to be the innovators and problem-solvers of tomorrow.



**Sri Sharada Peetham, Sringeri
Jyothy Charitable Trust®**



JYOTHY INSTITUTE OF TECHNOLOGY

Computer Science & Engineering For Better Insight

IT GAZETTE

**2025-26
December, Issue 21**

Vision

To be a center of excellence in Computer Science and Engineering education, focus on research, innovation and entrepreneurial skill development with professional competency.

Mission

M1: To provide state of the art ICT infrastructure and innovative, research-oriented teaching-learning environment and motivation for self-learning & problem-solving abilities by recruiting committed faculty.

M2: To encourage Industry Institute Interaction & multidisciplinary approach for problem-solving and adapt to ever-changing global IT trends.

M3: To imbibe awareness of societal responsibility and leadership qualities with professional competency and ethics.

Message from Head of The Department



Dr. Prabhanjan S
Professor & Head
Department of CSE
Jyothy Institute of Technology

It gives me immense pleasure to present the **21st issue** of the Department Newsletter - **IT GAZETTE**. This edition reflects the collective efforts, achievements, and progress of our students and faculty in academics, research, innovation, and co-curricular activities.

I want to extend my heartfelt gratitude to our incredible faculty, non-teaching staff, and students. Your unwavering support and sincere efforts are the driving force behind the continuous betterment and development of the CSE department.

A special thank you to the entire editorial board. Your commitment and hard work have been instrumental in shaping this issue into something truly special.

Enjoy the read!

Editorial Message

Hello everyone,

I'm honored to take on the role of editor for the **IT GAZETTE**! This newsletter is your go-to source for all the exciting events, activities, and achievements within our department.

In this edition, we've captured the highlights from July to December of the 2025-26 academic year. My goal is for this newsletter to give you a great look into our department's ongoing progress and success.

Happy reading!

Prof. Navile Nageshwara Naveen
Assistant Professor
Chief Editor - **IT GAZETTE**
Department of CSE
Jyothy Institute of Technology



Editorial Team



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Mr. Vishwas R - 1JT22CSI87
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Mr. Sudhanva J Rao - 1JT22CSI61
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Ms. Pomika S M - 1JT23CSI05
5th Sem CSE

DEPARTMENT

Infosys Springboard Orientation Session

The session was conducted virtually by Ms. Meenakshi Vyas, who provided an overview of the Infosys Springboard platform, its features, and how students can benefit from it. During the session, students were instructed to register on the platform, complete relevant certifications, and make the best use of the resources available. Ms. Meghana also elaborated on the benefits of these certifications in enhancing employability and preparing students for industry readiness.

The orientation was coordinated by Vidyaranya Memorial Trust, whose continued support in organizing such value-added programs is greatly appreciated.



Entrepreneurship and Insights

A workshop on "Entrepreneurship and Insights" was held on August 11-12, 2025. The event aimed to inspire students and staff to explore the world of entrepreneurship, equipping them with practical knowledge, innovative strategies, and valuable insights from successful entrepreneurs. This initiative was designed to foster innovation and self-reliance, encouraging participants to turn their ideas into successful ventures.

ACTIVITIES



Kargil Divas Memorable Day

The Kargil Vijay Diwas function was held on 5-8-2025 to commemorate the valour and sacrifice of Indian soldiers during the Kargil War of 1999. The event aimed to instil a sense of patriotism and gratitude among students and staff for the brave hearts who laid down their lives for the nation.



DEPARTMENT

Career in Data Analytics and AI

The Career in Data Analytics and AI was held on 12-8-2025 to provide students with an in-depth understanding of career prospects, industry trends, and the skills required to succeed in the fast-growing fields of data analytics and artificial intelligence. It aimed to bridge the gap between academic learning and real-world applications, helping students prepare for future placement opportunities.

The session by Mr. Pankaj Muthe proved to be highly insightful and inspiring, offering participants a clear perspective on the growing relevance of data analytics and AI in the current job market. His detailed insights into industry trends, diverse career opportunities, and the benefits of the Qlik Academic Program equipped attendees with valuable knowledge to enhance their skills and career prospects. Combining his rich professional experience with practical guidance, Mr. Muthe left the audience motivated to actively pursue learning opportunities and prepare for the demands of a rapidly evolving digital economy.



Personality Development Program for the Youth

The Personality Development Program for the Youth was held on 20-8-2025 to provide students with an in-depth understanding of Sri Dakshinamurthy Shlokas, symbolizing the essence of knowledge, which are beautifully presented in the Sri Dakshinamurthy Ashtaka by Adi Shankaracharya. With the blessings of HH Sri Sri Shankara Bharati Mahaswamiji, Vedanta Bharati has designed a concise program to introduce young minds to these ideas.

ACTIVITIES



Technical talk on Image Processing

The Department of has organized a Technical Talk on Image Processing on 18/8/2025 by Dr. P G Diwakar, ISRO Chair Professor at NIAS.

The session was conducted at JIT auditorium and was attended by students and faculty members.

The event concluded with a vote of thanks, expressing heartfelt gratitude to the honoured guest. The talk helped the students gained new ideas and insights for developing a better projects, using satellite images and processing techniques.



DEPARTMENT

Infosys Springboard Summit 2025

The Infosys Springboard Summit 2025 was organized as a flagship event to advance the national dialogue on digital skilling and its role in building a future-ready India. The summit brought together Infosys leaders, government officials, educators, and industry experts to explore pathways that connect learning with livelihood.

The event emphasized the importance of digital empowerment in shaping sustainable careers, nation-ready goals, and accelerating opportunities for the younger generation.



Workshop by CSRBOX - IBM SkillsBuild

CSRBOX is an Indian platform focused on corporate social responsibility (CSR), philanthropy, and development impact.

IBM SkillsBuild is IBM's CSR / social impact initiative aimed at building digital, technical, and professional (21st-century) skills for youth in India.

The initiative "CSRBOX by IBM" (or CSRBOX Foundation in collaboration with IBM SkillsBuild) is a structured program offering learning, internships, mentoring, volunteering, etc., to help employability and skill development.



ACTIVITIES



Gen AI Faculty Development Program

The Faculty Development Program (FDP) on Generative AI was organized with the objective of equipping faculty members with knowledge, tools, and teaching strategies related to emerging Generative AI technologies. The program brought together educators from different colleges, and researchers to explore the academic and practical implications of AI in teaching, learning, and research.



CSR Box Initiative -IBM Skill Build Initiative

The CSRBOX x IBM Skills Build partnership has demonstrated a powerful model of collaborative social impact in India's youth and higher education space. By combining digital learning platforms, recognized certification, mentoring opportunities, and institution-level outreach, it has made substantial strides in bridging the gap between academic learning and industry readiness.

DEPARTMENT

SIH 2025 Institute Level Idea Presentation

The SIH Internal Hackathon was held to select the best innovative student teams.

Students presented ideas and basic prototypes for different problem statements.

Judges evaluated creativity, feasibility, and technical skills.

Top teams were chosen to represent the college in the national SIH.



Study Abroad Seminar and Counselling Desk Activity

The Overseas Education Seminar proved to be highly informative and beneficial for the participating students. It provided them with essential guidance on global study options, scholarship opportunities, and application procedures, helping them understand the pathways to pursue higher education abroad. The counselling support offered during the session enabled students to clarify their individual queries and plan their academic goals more effectively. Overall, the seminar successfully motivated and prepared students from CSE, ISE, and AIML to explore international higher education opportunities with greater confidence and awareness.

ACTIVITIES



Student Orientation program on Gen AI

The Department of Computer Science organized a Student Orientation Program on Generative Artificial Intelligence (Gen AI) to introduce students to the rapidly evolving field of Artificial Intelligence and its real-world applications. The event aimed to familiarize students with the fundamentals, tools, and ethical implications of Gen AI technologies such as ChatGPT, DALL·E, and other AI-powered platforms.



Awareness Session on POSH – Prevention of Sexual Harassment

An awareness session titled "POSH – Prevention of Sexual Harassment" was conducted on 24th October 2025 for the 3rd and 5th semester female students of the Department of Computer Science & Engineering, Jyothy Institute of Technology. The resource person for the session was Dr. Annie Sujith, Associate Professor, Department of CSE. The session aimed to sensitize students on recognizing, preventing, and responding to incidents of sexual harassment, and to create awareness about their rights and institutional support systems.



DEPARTMENT

CYBERSECURITY AWARENESS SESSION

The Cybersecurity Awareness Session successfully fulfilled its objective of equipping students with essential knowledge and practical insights into cybersecurity. The collaboration between Cyberspark Academy and the Rotaract Clubs helped deliver a high-impact learning experience. Students expressed interest in attending future advanced workshops, certification programs, and hands-on cybersecurity bootcamps.



Partial delivery for the subject BIG DATA ANALYTICS – BCS714D

The partial delivery for the subject Big Data Analytics was successful in achieving its intended objectives. Students received the necessary conceptual clarity and exposure to key topics that are vital for mastering the subject. The session not only completed a portion of the syllabus but also improved the students' overall understanding, preparing them for advanced discussions in forthcoming classes and boosting their confidence for academic assessments related to Big Data Analytics.



ACTIVITIES



Alumni Interaction Session

The Department of Computer Science & Engineering organised an Alumni Interaction Session on 6th November 2025 to guide students on "How to Participate in Intercollegiate Technical Events."

The session was conducted by our distinguished alumnus Mr. Karthik B. R, who has an excellent track record of winning multiple hackathons and intercollegiate technical competitions during his academic tenure.



Module 5 Session – Software Engineering & Project Management (SE&PM)

An informative and engaging session on Module 5: Software Quality and Software Project Estimation was conducted by Mr. Vinayak from Ericsson India for all sections of V Semester CSE. The session complemented the academic curriculum by integrating industrial viewpoints, real-time practices, and practical insights essential for understanding modern software engineering processes.

DEPARTMENT

AICTE-VAANI Sponsored Two-Days FDP

The AICTE-VAANI sponsored FDP on Frontiers of Artificial Intelligence and Data Science concluded successfully with active participation, insightful sessions, and enthusiastic engagement. The organising team expresses gratitude to AICTE, the management of Jyothy Institute of Technology, all speakers, and the participants who contributed to the success of this event.



INDUSTRY VISIT TO PARAM AND PARSEC

On 25th November 2025, a group of students and faculty members from Jyothy Institute of Technology visited Param and Parsec as part of an academic and cultural exposure initiative. Students from multiple departments—Computer Science and Engineering (1st & 3rd semesters), Electronics and Communication Engineering (1st & 3rd semesters), and Mechanical Engineering (5th semester)—participated in the visit, accompanied by faculty members from their respective departments.



ACTIVITIES



IoT Advanced Data Analytics

The agenda of the IoT Advanced Data Analytics session was to introduce the fundamentals of IoT data processing and explore major big-data platforms used in industry. The session covered Hadoop for distributed storage, MapReduce for large-scale batch analytics, Oozie for workflow automation, Spark for fast in-memory processing, and Storm for real-time stream analytics. Participants were guided through how these technologies integrate into an end-to-end IoT data pipeline. The overall aim was to help learners understand how to process, analyse, and manage the massive data generated by IoT devices.



Industrial Visit

An industrial visit to Hassan MCF was organized to provide students with practical exposure to industrial processes and operations. The visit aimed to bridge the gap between theoretical knowledge and real-time industrial practices.

STUDENT'S

INTER COLLEGE EVENTS

1. Mr. NAGANISHANTH J (1JT22CS102), Mr. NANAIAH K K (1JT22CS103), Mr. RAJESH S (1JT22CS116), Mr. RAVISH B R (1JT22CS121) got First Place and Certificate of Achievement at National Level Project Expo 2025 - Title- Wisdom (Techkubik - Talent and Technology Leading Transformation) organized at HKBK College of Engineering, Nagawara from 04-12-2025 to 05-12-2025.
2. Ms. SREEPRIYA B M (1JT23CS158), Ms. S THANUSHREE (1JT23CS136), Ms. SANJANA N BHARADWAJ (1JT23CS144), Ms. MAANYA VITTAL B G (1JT23CS192) got Third Place and Certificate of Achievement at National Level Project Expo 2025 - Title- Wisdom (Techkubik - Talent and Technology Leading Transformation) organized at HKBK College of Engineering, Nagawara from 04-12-2025 to 05-12-2025.
3. Mr. SAI SUBRAMANYA S (1JT22CS128) got Certificate of Achievement at National Level Project Expo 2025 - Title- Wisdom (Techkubik - Talent and Technology Leading Transformation) organized at HKBK College of Engineering, Nagawara from 04-12-2025 to 05-12-2025.
4. Mr. SUSHANTH BHAT P (1JT22CS170) got First Place and Certificate of Achievement at National Level Symposium "TESLA-2K25" - Title - Anti Doze (Transformerz) organized at Rajarajeshwari College of Engineering, Bengaluru from 18-11-2025 to 19-11-2025.
5. Mr. MEHABOOB S (1JT22CS090) got Second Place and Certificate of Achievement at Tech Traid-2025 - International Tech Fest-Datathon organized at Dayananda Sagar Academy of Technology and Management on 12-11-2025.
6. Ms. HARSHITHA D (1JT22CS060) and Mr. K Naveen Reddy (1JT23CS068) stood as Winners and got Certificate of Appreciation at TechFusion 2025 - Inter College Technical Fest organized at Dayananda Sagar Academy of Technology and Management from 13-10-2025 to 15-10-2025.
7. Ms. BANDEESHA (1JT22CS021), Ms. ASMITHA B (1JT23CS023), Ms. ANANYAA M GOWDA (1JT23CS013), Ms. BRUNDA R (1JT23CS033) Certificate of Participation at TechFusion 2025 - Inter College Technical Fest organized at Dayananda Sagar Academy of Technology and Management from 13-10-2025 to 15-10-2025.
8. Mr. K Naveen Reddy (1JT22CS068), Ms. HARSHINI S (1JT23CS057) Certificate of Excellence at PROTATVA-2025 - State Level Inter Collegiate Project Exhibition organized at RV Institute of Technology and Management on 29-10-2025.
9. Mr. MEHABOOB S (1JT22CS090), Ms. KEERTHANA M J (1JT23CS076) Certificate of Participation at Hashcode 13, a 24 Hour National Hackathon organized at PES University - PES Innovation Lab from 25-10-2025 to 26-10-2025.

ACHIEVEMENT

INTER STATE/DISTRICT EVENTS

- Mr. K Naveen Reddy (1JT22CS068) got Third Place and Certificate of Appreciation at Hovercraft Challenge - Infinium 2025 - Techfest - Control Panel organized at International Institute of Information Technology, Hyderabad.
- Ms. BANDEESHA (1JT23CS021) got Third Place and Certificate of Appreciation at Hovercraft Challenge - Infinium 2025 - Techfest - Control Panel organized at International Institute of Information Technology, Hyderabad.

CULTURAL ACTIVITIES

- Mr. Dishank B S (1JT24CS043), Mr. Manoj Kumar K (1JT24CS080), Ms. Hitesh A V (1JT24CS61) and Mr. Harsha G (1JT24CS054) got Certificate of Participation at Inter-Collegiate Techlens Hackathon Creative Capture organized at Dayananda Sagar Institutions, Bangalore.

SPORTS ACTIVITIES

- Mr. DILIP R (1JT22CS036) and Mr. ABHINAND M (1JT22CS003) got First Place in Handball organized by Yuva Sabalikarana and kreeda Elak on 11-09-2025 and 12-09-2025.
- Ms. Ananyaa M Gowda (1JT22CS013) got Third Place in Powerlifting Championship for Women - 69 KG organized at RV Institute of Technology and Management on 07-11-2025 and 08-11-2025.

Toppers of Even Semester

Student	Percentage	Sem
APOORVA VIRESH D - 1JT21CS017	70.33	8
DEEKSHITHA R - 1JT22CS031	91.00	6
SATHYA SWAROOP M S - 1JT23CS141		
APEKSHA R KULKARNI - 1JT23CS019	89.56	4

FACULTY'S ACHIEVEMENT

FACULTY PUBLICATIONS

Sl. No	Faculty	Title of Paper	Conference/Journal and Volume	ISSN No/Impact Factor	Year
1	Dr. Manoj Kumar M	Scheduloop-An Institution-Based ERP System	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	2025
2	Dr. Annie Sujith	Advances in Data Science and Big Data Analytics: Techniques, Applications and Challenges	International Conference on Smart Wirless Systems and IOT (SWSIOT-2025)	-	2025
3	Dr. Krishna Prasad R	An Optimized Automated Machine Learning Pipeline for High-Performance, Cost-Efficient, and Reliable Development	3rd International Conference on Advances in Computation, Commnication and Information Technology (ICAICCIT)	-	2025
4	Mrs. Namratha B S	Waste Intelligent Segregation, Detection, and Optimization Mechanism	St. Mother Theresa Engineering College - 4th International Conference on Sustainable Multidisciplinary Artificial Intelligence Research for Global Transformation	-	2025
		Solarithm-Solar Power Monitoring & Management System	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	

FACULTY'S ACHIEVEMENT

FACULTY PUBLICATIONS

Sl. No	Faculty	Title of Paper	Conference/Journal and Volume	ISSN No/Impact Factor	Year
5	Dr. Ramya B N	AI-Powered Framework for Identification & Classification of Citrus Leaf Diseases	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	2025
		Travease: An Ai Powered Smart Travel Panning and Assistance Web Appliaction			
		Ayurtrace: Blockchain Based Ayurvedic Herb Traceability			
6	Mrs. Rekha V	An Interpretable Multimodal Large Language Model for Transparent Healthcare Decision Support	Pravara Rural Engineering College - Second International Conference	-	2025
7	Mrs. Rajeswari M	Integration of ASR, NLP, and LLMs for Intelligent Clinical Documentation in Healthcare	Multidisciplinary National Conference on Advances in Science, Technology, Engineering and Management (NCASTEM-2025)	-	2025
		Deep Learning-Based Frame Works for Early Detection and Multiclass Classification of Alzheimers Disease	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	

FACULTY'S ACHIEVEMENT

FACULTY PUBLICATIONS

Sl. No	Faculty	Title of Paper	Conference/Journal and Volume	ISSN No/Impact Factor	Year
7	Mrs. Rajeswari M	An Interpretable Multimodal Large Language Model for Transparent Healthcare Decision Support	Pravara Rural Engineering College - Second International Conference	-	2025
		Fitco: AI Based Interactive Fitness Trainer	Pravara Rural Engineering College - Second International Conference	-	2025
8	Mrs. Prathibha K N	An Integrated IOT-Based System for Auyomated Disease Detection	IEEE International Conference on Compute, Control, Network and Photonics (ICCCNP)	-	2025
		Multilingual AI Interaction Systems for Elderly-Centric Essential Services	International Conference on Data Science and Intelligent Systems (DSISYS 2025)	-	2025
		An Interpretable Multimodal Large Language Model for Transparent Healthcare Decision Support	Pravara Rural Engineering College - Second International Conference	-	2025

FACULTY'S ACHIEVEMENT

FACULTY PUBLICATIONS

Sl. No	Faculty	Title of Paper	Conference/Journal and Volume	ISSN No/Impact Factor	Year
8	Mrs. Prathiba K N	An IOT-Driven Framework for Early Plant Diseases Detection and Automated Management	9th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS-2025)	-	2025
9	Mr. Adithya D A	An IOT-Driven Framework for Early Plant Diseases Detection and Automated Management	RV College of Engineering, Bengaluru - 9th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS-2025)	-	2025
10	Mrs. Ms. Jayashree Nagaraj	Pruning and Quatization Techniques for Gree AI: Towards Energy-Efficient Deep Learning Model	Multidisciplinary Natinal Conference on Advances in Science, Technology, Engineering and Management (NCASTEM-2025)	-	2025
		Unified and Explainable AI Framework for Environmental and Remote Sensing Data	International Confernce on Digital Technology and Engineering (ICDTE)	-	

FACULTY'S ACHIEVEMENT

FACULTY PUBLICATIONS

Sl. No	Faculty	Title of Paper	Conference/Journal and Volume	ISSN No/Impact Factor	Year
10	Mrs. Ms. Jayashree Nagaraj	Real-Time Detection of Financial Fraud Rings with Graph Neural Networks on Streaming Data	International Conference on Smart Wireless Systems and IOT (SWSIOT-2025)	-	2025
11	Mrs. Pallavi R	A Survey of IOT-Based Individual Air-Pollution Inhalation Tracking Systems	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	2025
		A Comprehensive Survey on IOT-Based Health Monitoring Systems: Architecture	National Conference on Recent Innovations in Engineering (NCRIE-2025)	-	

FACULTY BOOK PUBLICATIONS

Sl.No	Faculty	Book Published	Publisher	Year
1	Mrs. Namratha B S	Data Mining and Analytics	Scientific International Publishing House	2025
2	Dr. Krishna Prasad (Book Chapter)	Machine and Computing Technologies for Sustainable Development	Springer Nature - A Springer book series Lecture Notes in Networks and Systems - Proceedings of MCT4SD 2025, Volume 4	2025
3	Dr. Annie Sujith	Applied Artificial Intelligences and Machine Learning Techniques for Engineering Applocations	Fundus Image Restoration and Enhancement Using Multi Resolution CNN Framework - Taylorfrancis, 1st Edition, Published: 19-08-2025, location: Boca Raton, pages: 196	2025

FACULTY'S ACHIEVEMENT

FACULTY BOOK PUBLICATIONS

Sl.No	Faculty	Book Published	Publisher	Year
4	Dr. Annie Sujith	Producing Healthy Food with Healthy Soils	Integrating IOT and Date Science for Sustainable Disposal Solutions to Enhance Agricultural Soil Health and Productivity - Springer Nature, Pages: 111-125, published: 28-08-2025	2025

FACULTY PATENT DETAILS

Sl.No	Title of the Invention	Inventors	Patent Application No
1	Edge Computing for Real-Time Data Processing Device	Dr. Krishna Prasad	468568-001

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Sl.No	Faculty	Papers Published /Presented	Conference/Journal and Volume	Year
1	Dr. Krishna Prasad R	Optimization of Battery Management System Using Machine Learning	2025 International Conference on Computing and Communications (COMPUTINGCON)	2025
		Natural Language Processing for Multilingual and Low-Resource Languages	2025 IEEE 7th International Conference on Computing, Communication and Automation (ICCCA)	2025

FACULTY'S ACHIEVEMENT

TECH TALKS DELIVERED BY FACULTY

Sl.No	Faculty	Title of FDP/Workshop	Organized by	Period
1	Dr. Manoj Kumar M	2 days training session on "AI Tools and MS Suites"	Smile Foundation - New Delhi	11-10-2025 to 12-10-2025
2	Mr. Basavesh D			

FACULTY NPTEL DETAILS

Sl. No	Faculty	Title of the Course	Score	Duration	Organized By
1	Mrs. Rajeswari M	Software Conceptual Design	85%	Aug - Sep 2025 (4 Weeks)	NPTEL - AICTE

FEEDBACK AND SUGGESTIONS LEAD TO BETTER QUALITY.

WE SEEK YOUR CONTRIBUTION, SUGGESTIONS AND FEEDBACK ON "IT GAZETTE" TO MAKE OUR NEWSLETTER MORE MEANINGFUL.

