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Jyothy Charitable Trust

Sri SharadaPeetham, Sringeri

ISE SYNAPS

2025-26 (FEB - JUNE)

DEPARTMENT OF
INFORMATION SCIENCE



EXPLORE. DISCOVER. TRANSFORM.

VISION

To be a department of excellence for education in Information Science and Engineering, innovation, research and work towards empowering students for professional competence and entrepreneurial skills.

MISSION

M1: To provide state-of-the-art infrastructure with modern and innovative teaching methodology.

M2: To encourage and nurture collaborative and interdisciplinary projects that aid academic and industrial research.

M3: To promote activities to inculcate ethical practices and entrepreneurial skills.

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Dr. Kishore G R
Associate Professor and Head

Message from the HOD

I am extremely happy that ISE SYNAPS 2025–26 (February – June) is being released. The magazine serves as an effective medium for students and faculty to showcase their creativity, technical expertise, and innovative thinking. It provides a vibrant platform for sharing knowledge, ideas, and research beyond the classroom. The faculty members of the Department of Information Science and Engineering continuously strive to guide and motivate students to express themselves confidently in both academic and extracurricular pursuits.

The department's endeavors produce competent and confident professionals who are well-prepared for real-world challenges. Students actively collaborate with faculty on projects that enhance their practical skills and deepen their understanding of emerging technologies and industry demands in the field of information science and engineering. The magazine stands as a testament to their dedication, enthusiasm, and passion for learning, fostering a culture of curiosity and innovation. It not only showcases academic excellence but also reflects the department's commitment to holistic development, encouraging students to explore new ideas, innovate responsibly, and expand the frontiers of knowledge.

EDITOR'S NOTE



JAYANTH K
Assistant Professor

Dear Readers,

It gives me great pleasure to present ISE SYNAPS 2025–26 (February – June). This magazine reflects the vibrant academic culture of the Department of Information Science & Engineering, providing a platform for students and faculty to share their knowledge, creativity, achievements, and innovative ideas.

Information Science & Engineering continues to play a vital role in shaping the digital world through advancements in software development, data science, artificial intelligence, cybersecurity, and emerging technologies. This edition highlights the remarkable efforts of our students and faculty through technical articles, projects, research contributions, and departmental activities.

I extend my sincere gratitude to all contributors, faculty members, students whose dedication and hard work have made this publication possible. I hope this magazine inspires readers to learn, innovate, and strive for excellence in their academic and professional journeys.

With warm regards,

Mr. Jayanth K

Assistant Professor

Editor | Department of Information Science & Engineering

Jyothy Institute of Technology

Teaching Faculty

| NAME | DESIGNATION | QUALIFICATION |
|-----------------------|------------------------------|-----------------|
| Dr. Kishore G R | Associate Professor and Head | M.Tech., Ph.D |
| Dr. Divakar Harekal | Professor | M.Tech., Ph.D |
| Dr. Sridevi G M | Associate Professor | M.Tech., Ph.D |
| Mr. Manjesh B N | Assistant Professor | M.Tech., (Ph.D) |
| Mrs. Rashmi K.S | Assistant Professor | M.Tech., (Ph.D) |
| Mrs. Nandini D | Assistant Professor | M.Tech |
| Ms Rakshatha S | Assistant Professor | M.Tech |
| Mr Mukesh Kamath Bola | Assistant Professor | M.Tech |
| Mr. G S Hiremath | Assistant Professor | M.Tech |
| Ms. Vandana G | Assistant Professor | M.Tech |
| Mr. Jayanth K | Assistant Professor | M.Tech |

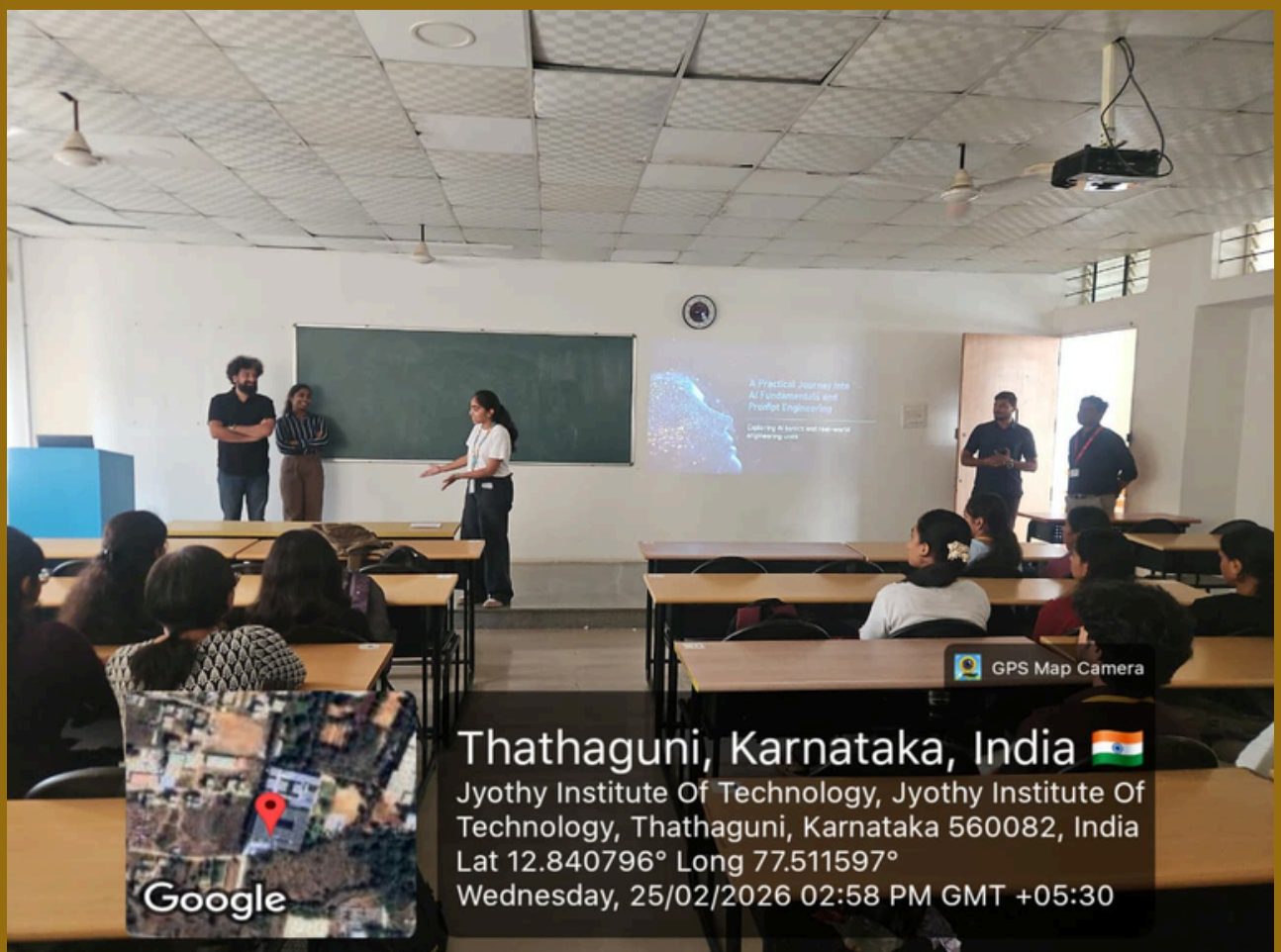
Non Teaching Faculty

| NAME | DESIGNATION |
|----------------------|-------------------------|
| Mr. Abhishek G S | Programmer |
| Mr. Sunila V | Programmer |
| Mr. Naveen Kumar P R | Second Divisional Clerk |
| Mr. Rahul N | Instructor |
| Mrs. Divya S | Instructor |
| Mr. Shashikiran K S | Instructor |
| Mr. Chirag Singh L | Instructor |
| Ms. Meghana C M | Instructor |

Technical talk on A Practical Journey Into AI Fundamentals and Prompt Engineering

A technical talk on “A Practical Journey Into AI Fundamentals and Prompt Engineering” was conducted at Jyothy Institute of Technology to provide students with practical exposure to emerging Artificial Intelligence concepts and their real-world applications.

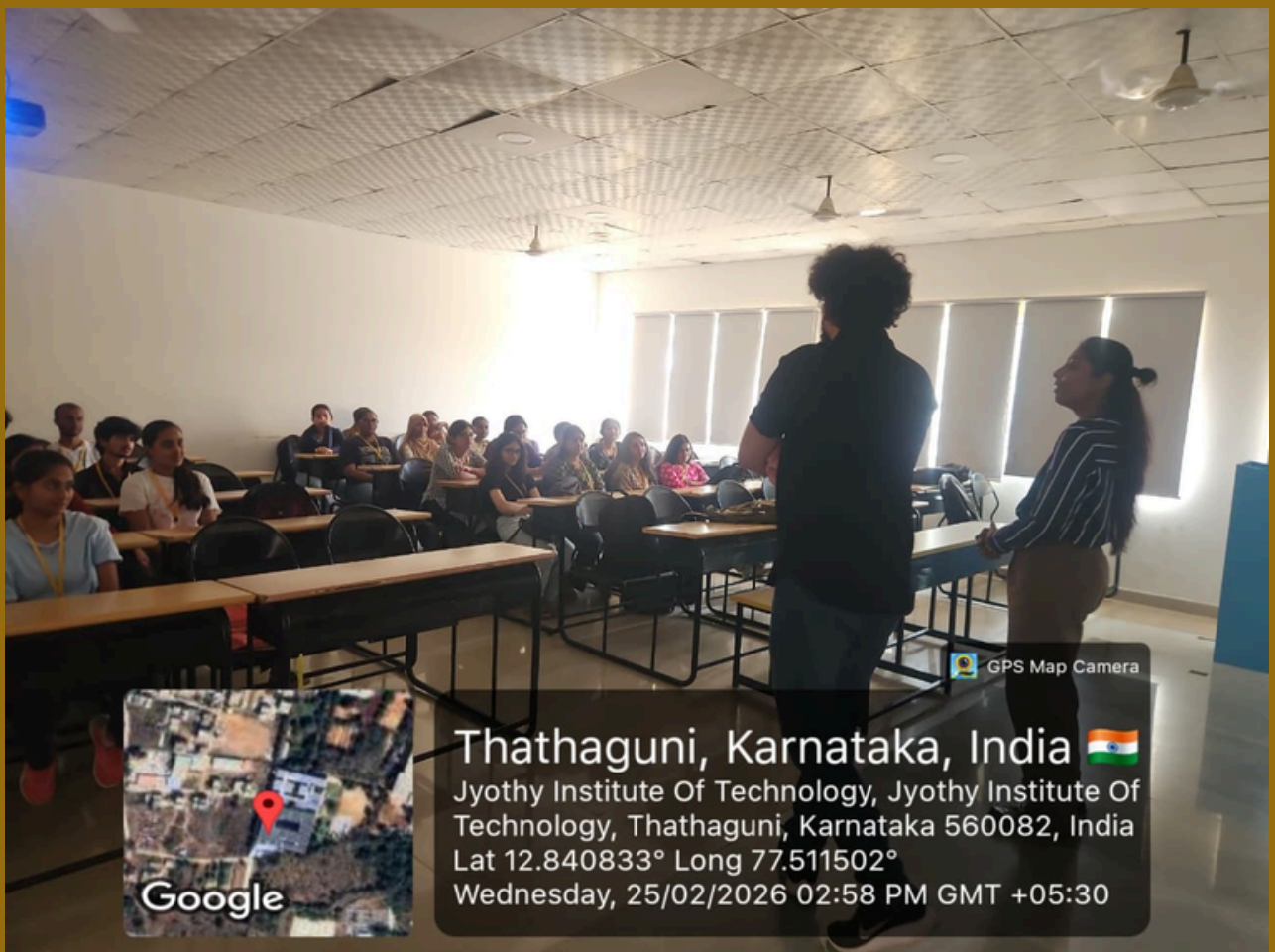
The session introduced students to the fundamentals of Artificial Intelligence (AI) including how AI systems work, different AI technologies, and their growing role in engineering and industry. The speakers also explained the concept of Prompt Engineering, focusing on how effective prompts can improve interactions with AI models and generate better results.



The talk included discussions on:

- Introduction to Artificial Intelligence and its fundamentals
- Understanding Generative AI concepts
- Basics of Prompt Engineering
- Designing effective prompts for AI systems
- Real-world engineering applications of AI
- Practical examples and interactive learning

The session was informative and engaging, helping students understand current AI trends and encouraging them to explore practical applications of AI in academics, projects, and future careers.

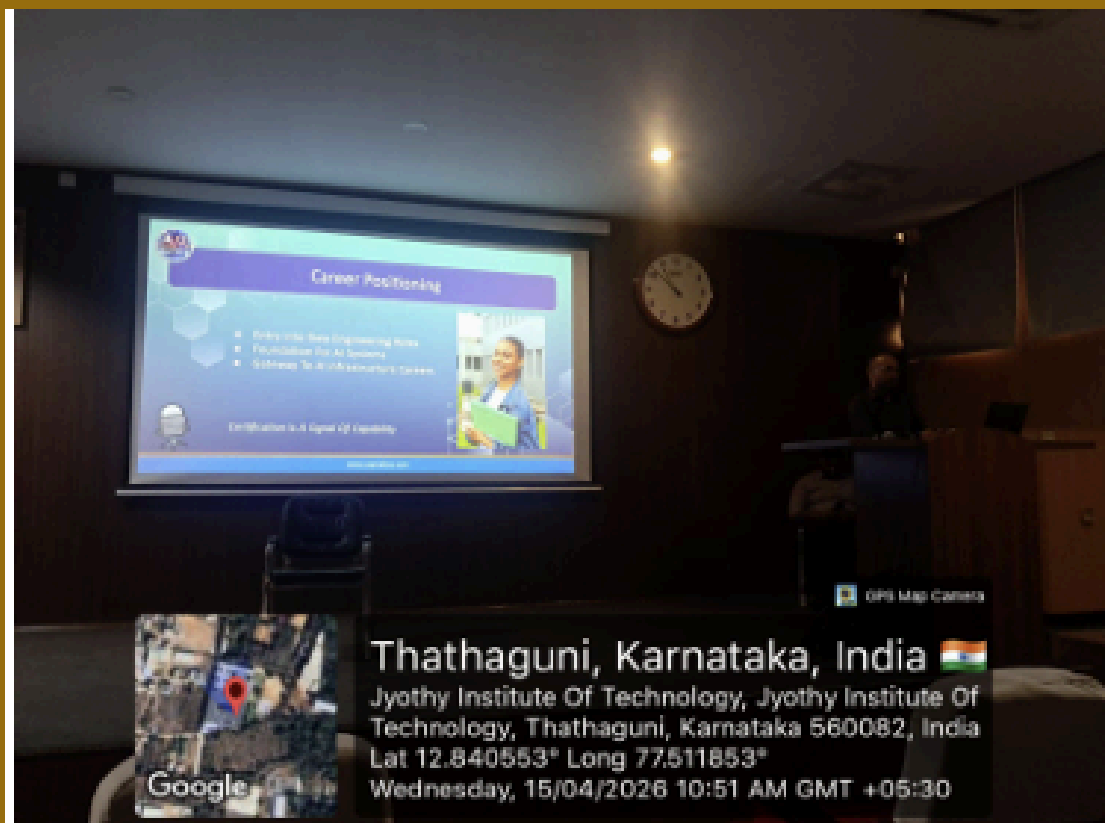


Technical talk on Databricks and Agentic AI introductory Workshop

This session was specifically designed to bridge the gap between traditional data engineering practices and the rapidly evolving Agentic AI landscape of 2026. The workshop was structured around two distinct thematic pillars, each addressing a critical dimension of the modern data and AI ecosystem. The workshop adopted a Direct On-Campus Delivery Model, representing a deliberate transition from conventional online or hybrid frameworks to a high-engagement, face-to-face instructional environment.



The Databricks & Agentic AI Introductory Workshop conducted on 15 April 2026 at the JIT Auditorium was a highly impactful and well-received event. By combining a structured exploration of the Databricks Lakehouse platform with an insightful introduction to Agentic AI paradigms, the session successfully achieved its dual objectives of technical education and career orientation. The on-campus, face-to-face delivery model facilitated meaningful interactions between the industry experts and students, fostering curiosity and motivating participants to explore certification and career pathways in the rapidly growing field of AI Infrastructure. The workshop marks a significant step in aligning JIT's academic curriculum with the demands of the 2026 technology industry.



Technical talk on Quantum Computing Introductory Workshop

The Quantum Computing Foundational Session is a 60-minute introductory programme organized by AQMATICS and conducted at Jyothy Institute of Technology (JIT). The session was designed to familiarize students with the core principles of quantum mechanics as applied to computation, offering a conceptual bridge between classical computing paradigms and the emerging quantum frontier. The workshop aimed to create awareness of the paradigm shift from classical bits to qubits and illuminate the potential of quantum-classical hybrid systems in tackling NP-hard (Non-deterministic Polynomial time) problems. By the end of the session, participants gained a foundational conceptual understanding of quantum gates, qubit behaviour, and the current state of the global quantum computing ecosystem.



Technical talk on Algorithms in Action: Foundations and Real-World Applications

The Department of Information Science and Engineering (ISE), Jyothy Institute of Technology organized a Technical Talk on “Algorithms in Action: Foundations and Real-World Applications” on 13 May 2026 at 11:30 AM in the ISE Seminar Hall. The session was delivered by Ananda Babu J, Professor and Head of the Department of ISE at Malnad College of Engineering.

The technical talk aimed to provide students with a strong understanding of algorithm fundamentals and their significance in solving real-world problems efficiently. The speaker explained how algorithms form the core of software development and highlighted different approaches used to design optimized and scalable solutions.



During the session, students gained knowledge about algorithm design techniques, computational thinking, time and space complexity, and practical applications of algorithms across various engineering domains. Real-world examples were discussed to demonstrate how algorithms are implemented in modern technologies and industrial applications.

The session was highly informative and interactive, enabling students to strengthen their analytical and problem-solving abilities while understanding the practical importance of algorithms in today's technology-driven world.

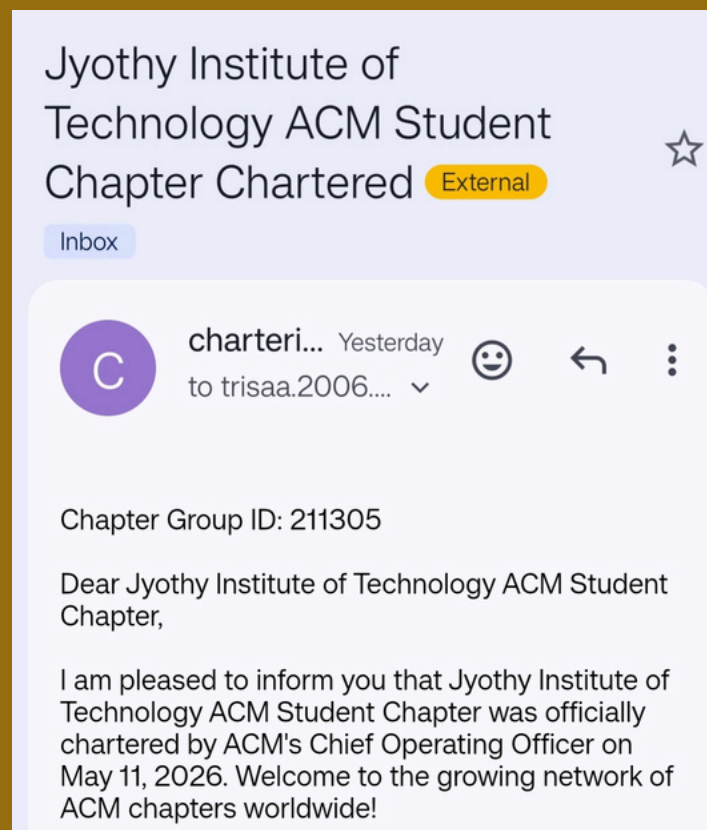


ACM Student Chapter

The ACM Student Chapter of Jyothy Institute of Technology achieved an important milestone by receiving official ACM Charter recognition on 11 May 2026. The chapter was formally chartered by the Association for Computing Machinery (ACM) through its Chief Operating Officer, marking its official inclusion in the global ACM student chapter network.

This recognition establishes the Jyothy Institute of Technology ACM Student Chapter as an authorized student community that promotes innovation, technical learning, professional development, and collaboration among students in the field of computing and technology.

Through this chapter, students will gain opportunities to participate in technical workshops, coding activities, seminars, conferences, hackathons, networking events, and knowledge-sharing sessions with the global ACM community. The chapter also encourages leadership, teamwork, research exposure, and professional growth among students.



Paper Publication

| Sl. No . | Name of the faculty | Title of the Paper | Journal Name | Indexing-Scopus/Wos and Quartile | Volume and Issue | Publication Date |
|----------|---------------------|--|--|----------------------------------|---------------------|------------------|
| 1 | Rashmi K S | Explainable Deep Learning Ensemble Model for Breast Cancer Classification in Histopathology Images | Biomedical Signal Processing and Control | Scopus (Q1) | Vol. 123 , Issue. 3 | 11/6/2026 |
| 2 | Manjesh B N | Convolutional Neural Network-Transformer Model to Predict and Classify Early Arrhythmia Using Electrocardiogram Signal | Journal of visualised experiments | Scopus (Q2) | Vol. 221, e68227 | 23/01/2026 |
| 3 | Kishore G R | Deep fake in the era of generative AI: Aurvey on methods,risk,and mitigations strategies | Journal of Xidian University | Scopus (Q3) | Vol. 20, Issue. 3 | 22/03/2026 |

Textbook

| Sl No. | Faculty Name | Title | Publisher Name | Publication Year | ISBN |
|--------|--------------|---|-----------------------|------------------|-------------------|
| 1 | SRIDEVI G M | Machine Intelligence and Data Structures Methods for High Performance Computing | JHANVIKA TECHNOLOGIES | Jun 2026 | 978-81-69077-17-0 |

OUTBOUND ACTIVITY

The Department of Information Science and Engineering (ISE) successfully organized an Outbound Activity for students on 13 February 2026 with the objective of encouraging experiential learning, team building, recreation, and strengthening interpersonal relationships outside the classroom environment. As part of the outing, students visited Dandeli, where they enthusiastically participated in the thrilling River Rafting activity. The adventure experience provided students with an opportunity to build confidence, improve coordination, and develop teamwork while enjoying the natural surroundings.



The trip also included a visit to Honnavara, where students experienced an enjoyable Boat Ride amidst the scenic backwaters and peaceful environment. The activity offered relaxation and memorable moments while allowing students to appreciate nature and spend quality time with peers and faculty members.

The outbound activity was highly engaging and successful, creating a perfect balance of adventure, learning, and recreation. Students actively participated in all activities and returned with unforgettable memories and strengthened bonds. The Department expresses appreciation to the faculty coordinators and students for making the event a memorable and successful experience.



NSS Activity

Cleaning India Movement

The NSS Unit of Jyothy Institute of Technology, Bengaluru, organized a cleanliness drive as part of the Cleaning India Movement / Swachh Bharat Abhiyan. NSS volunteers actively participated in cleaning the college campus and surrounding areas by removing waste, collecting plastic materials, and spreading awareness about hygiene and environmental cleanliness. The activity encouraged students to maintain a clean and healthy environment and highlighted the importance of individual responsibility in building a cleaner India. The event successfully created awareness among students about sanitation, waste management, and the need to keep public places clean.



Attainment Day

“Attainment Day – Farewell Ceremony 2026” was organized by Jyothy Institute of Technology, located at Off Kanakapura Road, Thataguni, Bangalore – 560082. The event was held on 13th June 2026, Saturday, at 10:30 AM at Trimurthy Convention Hall. The ceremony brought together students, faculty members, and guests to celebrate and honor the farewell of the Batch of 2026, recognizing their hard work, dedication, and achievements throughout their academic journey. The event was conducted under the association of Sri Sharada Peetham, Sringeri and Jyothy Charitable Trust.



The ceremony was graced by distinguished dignitaries, with Prof. S. N. Sadagopan serving as the Chief Guest. He was recognized as the Founding Director of IIT Bangalore and Former Chairman, Board of Governors, IITDM Kancheepuram. The Guest of Honour for the event was Mr. Vishweshwar Hegde, Partner, PM Power Consulting, Bangalore. The invitation was extended on behalf of the Trustees, Governing Council Members, and the Principal of Jyothy Institute of Technology. The overall theme of the event remained formal and celebratory, marking an important farewell occasion for the graduating students of the Batch of 2026.





Achievements

The Department of Information Science and Engineering (ISE), Jyothy Institute of Technology proudly recognized and honored outstanding student achievements during the award ceremony for their excellence in academics, placements, sports, and overall contribution.



Harsha Kiran H B received the Highest Package Award for securing an impressive placement package of 9 LPA, reflecting dedication, technical skills, and career excellence.



Arfa K A was honored with the Academic Topper Award in recognition of exceptional academic performance and consistent dedication towards achieving excellence throughout the academic journey.



Suhas U M received the Best Sports Person Award for demonstrating outstanding performance, commitment, and achievement in sports activities while maintaining active participation in departmental and institutional events.



The Best Outgoing Student Award was presented to Ankitha Bhandary and Suhas U M in recognition of their overall excellence in academics, leadership qualities, co-curricular involvement, discipline, and valuable contribution to the department.

Branch Toppers

Academic Year: 2025–2026 (Odd Semester)

The Department of Information Science and Engineering (ISE) proudly congratulates the 3rd Semester Branch Toppers for their exceptional academic achievement and outstanding performance.

🏆 Branch Toppers – 3rd Semester



1. Madhushree G
USN: 1JT24IS027



2. Yamini B
USN: 1JT24IS053

Branch Toppers

Academic Year: 2025–2026 (Odd Semester)

The Department of Information Science and Engineering (ISE) proudly congratulates the 5rd Semester Branch Toppers for their exceptional academic achievement and outstanding performance.

🏆 Branch Toppers – 5th Semester



1. Akshay H
USN: 1JT23IS003



2. Vibu Darshan
USN: 1JT23IS062