

Newsletter

APRIL
2025

"I can only say that it is a great honour for me to be a pioneer of a system that has given a great gift to humanity."



"In the new era, thought itself will be transmitted by wireless."

*Guglielmo
Marconi*



ARKA Educational & Cultural Trust (Regd.)

Jain Institute of Technology, Davangere

(A Unit of Jain Group of Institutions, Bangalore)



*Department of Electronics and
Communication Engineering*



Electro Infinity

Create, Enhance and Sustain



About the Department



Dr. Santosh Herur
Professor & Head
Dept. of E&CE
JIT, Davangere

Department of Electronics and Communication was started in the year 2011-12. The department emphasizes on imparting advanced technical knowledge in various fields like signal processing, VLSI Technology, Embedded system, wireless technology, microwave engineering, optical communication, and microelectronics and control systems. Highly qualified, experienced and dedicated staff members are the backbone of the department. Well equipped, sophisticated, precision and state of the art laboratories are centre of attraction in the campus. Another major strength of the department is its extensive collection of technical books, periodical and journals, ENCORE association of the department of E & CE aims at targeting innovations in the field of advanced communication and networking.

The Department has MOU with Karunadu Technologies Pvt. Ltd, Bengaluru, Abiyantrix, Soft Solutions, Davangere, Sai Tech, Mysore and PSN Hub IT consultancy services. The MOU organizations provide Internship training and conduct workshops on recent trends and organize seminars for the students to enhance their industrial exposure.

Editor's desk



Ms NAYANA T

*Assistant Professor
Dept. of E&CE,
IIT, Davanagere*

*Warm greetings to the readers of **Electro Infinity**!!*

We are pleased to share with you the April issue of the newsletter for the year 2025 with a Heartfelt wish of Mahaveera Jayanti and Basaveswara Jayanti. We express our considerable gratitude and appreciation to everyone who have contributed to this Newsletter magazine. These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns and special insights with fellow beings that has made this magazine possible.

***Finally we would like to conclude with these words** The world will one day use wireless power, just as it uses wireless communication today –Guglielmo Marconi.*

Happy reading

Thank you

NAYANA T

Vision of the Department

Endeavours to achieve academic excellence by providing value based education to the students of Electronics and communication engineering and enable them to meet the ever changing needs of the society.

Mission of the Department

- ❖ *To emphasize on student focus learning environment.*
- ❖ *To prepare graduates who surpass in the engineering career, qualified to acquire technical knowledge and ethical values.*
- ❖ *To provide a platform to inculcate team spirit and leadership qualities to succeed in professional career.*

Program Specific Outcomes (PSOs)

- ❖ *PSO1: Analyze, simulate and design electronic and communication circuits for given specifications.*
- ❖ *PSO2: Design and test processor based systems*

Program Educational Objectives (PEOs)

- ❖ *PEO1: To create graduates with a strong base in Electronics & Communication Engineering.*
- ❖ *PEO2: To produce technically competent graduates with the ability to understand, analyse & develop electronic systems.*
- ❖ *PEO3: Ability to work with professional ethics and as a team member to realize the goals of the projects.*
- ❖ *PEO4: Excellence in professional career by attaining higher education.*

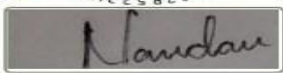
Student Achievement : Best Student Award



Images of best student award

Ayush G Y, 6th -semester student of the Electronics and Communication Engineering Department has been honoured with the **Best Student Award-2025** by the **Indian Society for Technical Education (ISTE)** for his outstanding academic performance and remarkable contributions to ISTE activities. The award was conferred during the **20th ISTE Karnataka State Level Student Convention 2025**, held at New Horizon College of Engineering, Bangalore, on **28th March 2025**. Hearty Congratulations and best wishes from College Management, Principal, HOD, Teaching, and non-teaching staff members on his well-deserved achievement.

Student Achievement : GATE Qualified

GRADUATE APTITUDE TEST IN ENGINEERING 2025 अभियांत्रिकी स्नातक अभिक्षमता परीक्षा २०२५ Organising Institute: INDIAN INSTITUTE OF TECHNOLOGY ROORKEE	
SCORE CARD	
Name of the Candidate	NANDAN PRAKASH P
Name of the Parent/Guardian	PRAKASH H
Registration No.	EC25S61332025
Date of Birth	May 3, 2004
Test Paper	Electronics and Communication Engineering (EC)
Date of Examination	February 15, 2025
GATE Score	256
Marks out of 100	17.0
All India Rank (AIR) in the test paper:	23982
Number of candidates appeared for the test paper:	81475
Qualifying Marks General: 25.0 EWS/OBC-NCL: 22.5 SC/ST/PwD: 16.6	
 	
A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with this Score Card. This Score Card is valid up to 31st March 2028.	
Prof. P. Arunugam Organising Chairperson, GATE 2025 On behalf of NCB-GATE Ministry of Education (MoE) dc114d3e0c9ab05bb9c5f80e5b4bbb3a	
GATE SCORE COMPUTATION The GATE 2025 score is calculated using the formula: $\text{GATE Score} = S_q + (S_t - S_q) \frac{(M - M_q)}{(M_t - M_q)}$ where, M is the marks obtained by the candidate in the test paper mentioned on the GATE 2025 Score Card M_q is the qualifying marks for general category candidates in the test paper M_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of all the candidates who appeared in the test paper S_q = 350, is the score assigned to M_q, and S_t = 900, is the score assigned to M_t In the GATE 2025 score formula, the qualifying marks (M_q) for the general category candidate in each subject will be : Cut-off marks for GENERAL category = max(25, min(40, μ + α)). Here μ is the mean and α is the standard deviation of positive marks of all the candidates who appeared in the test paper. Qualifying in GATE 2025 does not guarantee admission to a postgraduate program or scholarship/financial assistance. Admitting institutes may conduct additional tests or interviews for final selection of candidates. Graduate Aptitude Test in Engineering (GATE) 2025 was organised by Indian Institute of Technology Roorkee on behalf of National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.	

Nandan Prakash P, 6th-semester student of the Electronics and Communication Engineering Department, appeared for the **GATE 2025 Examination** in the Electronics and Communication Engineering (EC) discipline, conducted by the **Indian Institute of Technology Roorkee**. He achieved a **GATE score of 256** and secured **17.0 marks out of 100**, with an **All-India Rank (AIR) of 23,982** out of 81,475 candidates. Hearty Congratulations and best wishes from College Management, Principal, HOD, Teaching, and non-teaching staff members on his achievement.

Faculty Outside World Interaction



Dr. Santosh Herur, Professor and Head, Dept. of E&CE and Director, IQAC of Jain Institute of Technology, Davangere has attended a **Board of Examiners (BoE)** meeting of PG Program - M.Tech(IoT and Sensor Systems) on **01/04/2025 (Tuesday)** in **Controller of Examination (CoE) Office, BIET, Davangere**.

EMERGE-2025:



JGI Jain Institute of Technology, Davangere
(A Unit of Jain Group of Institutions, Bengaluru)

In Association with ISTE Karnataka Section

Cordially invites you to the Inaugural function of
A State Level Technical Symposium
EMERGE - 2025
Empowering progress through technology...

CHIEF GUEST
Dr. Suresh D S
Director, CIT Group of Institutions
Chairman, ISTE Karnataka Section

GUEST OF HONOR
Dr. Manjappa Sarathi
Director, Research and Consultancy
Sahyadri College of Engineering & Management, Mangaluru

SYMPOSIUM CHAIR
Dr. Ganesh D B
Principal & Director, JIT, Davangere

CONVENER
Dr. Santosh Herur
Professor and Head, Dept. of E&CE, JIT, Davangere

FACULTY COORDINATORS
Prof. Sharanabasaveshwara H B
Prof. Savitra C T
Dept. of E&CE, JIT, Davangere

STUDENT COORDINATORS
Mr. Ayush G Y
IEEE Student Secretary
Mr. Vinay S B
IEEE Student Chair

24 April 2025
9:30am
JIT Auditorium



JGI JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE
(A Unit of Jain Group of Institutions, Bengaluru)
Accredited by NBA, New Delhi | Accredited by NAAC with A+ Grade
Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi | Recognized by UGC under 2(f)

Organizing
In Association with ISTE Karnataka Section

A State Level Technical Symposium
emerge 2025
Empowering progress through technology...

Events
Tech Exchange, Hopscotch, Ideathon, Emerge Hackathon, E-Fashion Streak, Tech Sketch, Gizmo Guess, Isotrix, Techno Art, Tech Cross Word Hunt

Sponsored By:
Abeyaantrix

Win Attractive Prizes

<https://www.jitd.ac.in/emerge/2025/>

24 APRIL 2025
9:00 am
JIT Auditorium

Faculty Coordinators:
Prof. Sharanabasaveshwara H B
Contact No - 8970495608
Prof. Savitra C T
Contact No - 807318236

Student Coordinators:
Mr. Ayush G Y (7022735247)
IEEE Student Secretary
Mr. Vinay S B (9880350542)
IEEE Student Chair

Register once & participate in 2 events
Registration fees
Rs. 100/- per head
Prof. Sunil M (97467663)
Treasurer

Dr. Santosh Herur
Prof. & Head, Dept. of E&CE
Convener

Dr. Manjappa Sarathi
Advisor
Jain Group of Institutions

Dr. Ganesh D B
Principal & Director
JIT, Davangere

Jain Institute of Technology, Davangere, is all set to organize **State level technical symposium** called **EMERGE-2025** on **April 24, 2025 at 9.30AM** in the College Auditorium. The event aims to showcase technical brilliance and encourage innovative thinking among aspiring engineers. The distinguished chief guest for the program will be **Dr. Suresh D S**, Director, CIT group of Institutions and Chairman, ISTE, Karnataka Section. The guest of Honor will be **Dr. Manjappa Sarathi**, Director, Research and Consultancy, Sahyadri College of Engineering and Management, Mangaluru. The Program coordinators for this technical symposium will be **Prof. Sharanabasaveshwara H B** and **Prof. Savitra C T** from Electronics and Communication Engineering department. Principal and Director of Jain Institute of Technology, **Dr. Ganesh D.B.**, along with Program Convener **Dr. Santosh Herur** expressed their excitement for the upcoming event.

EMERGE-2K25: A State Level Technical Symposium (24/04/2025)

INAUGURATION



Images of Emerge-2K25 Inauguration

EMERGE-2025, a **State Level Technical Symposium**, was inaugurated at the **JIT Auditorium** with a traditional lamp-lighting ceremony by the dignitaries. The event was graced by distinguished guests including **Dr. Suresh D S**, Director of CIT Group of Institutions and Chairman of ISTE Karnataka Section, as the **Chief Guest**, and **Dr. Manjappa Sarathi**, Director of Research and Consultancy at Sahyadri College of Engineering and Management, Mangaluru, as the **Guest of Honor**. The program commenced with an invocation song by **Ms. Anusha S P and team**, followed by a welcome address by **Ms. Harshitha V K**. **Dr. Santosh Herur**, Convener and HoD of the Electronics & Communication Engineering Department, gave insights about EMERGE-2025, and **Ms. Shaziya Siddiqua** introduced the Chief Guest. **Dr. Suresh D S** address to the gathered participants provided valuable insights about Technology, **Artificial Intelligence** in the present era. He Inspired the student participants by the words to create their own footprints in this world and to continue pushing the boundaries of creativity and technical excellence in their professional career. **Dr. Manjappa Sarathi** emphasized the role of technology and shared key inputs on intellectual property rights and patents. **Dr. Ganesh D B**, Principal and Director, delivered the presidential remarks. Program coordinators **Prof. Sharanabasaveshwara H B** and **Prof. Savitra C T** were also present. The event concluded with a vote of thanks by **Ms. Kruthika G P**. Featuring 10 engaging technical events, EMERGE-2025 attracted enthusiastic participation from around 1200 students across

various engineering colleges in Karnataka, making it a remarkable and impactful gathering of young minds.

Glimpses of various events Conducted:

Tech Exchange Event



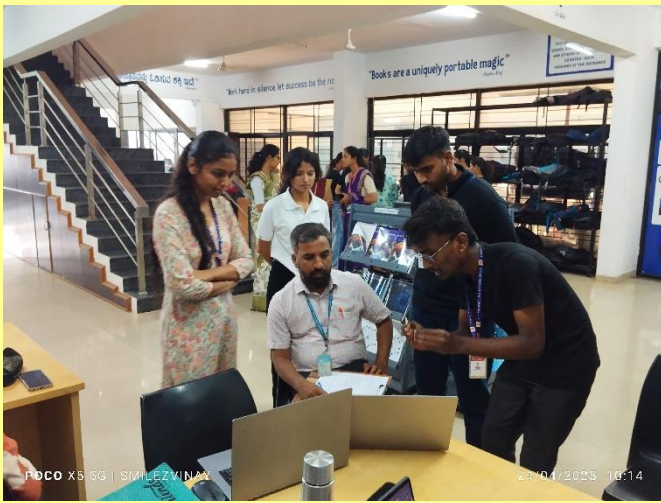
Techno Art



Tech Sketch



Hackathon



Hopscotch



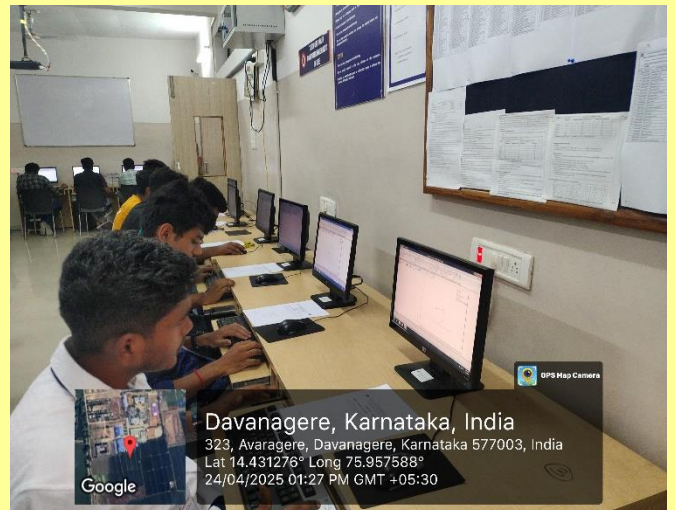
E-Fashion streak



Gizmo Guess



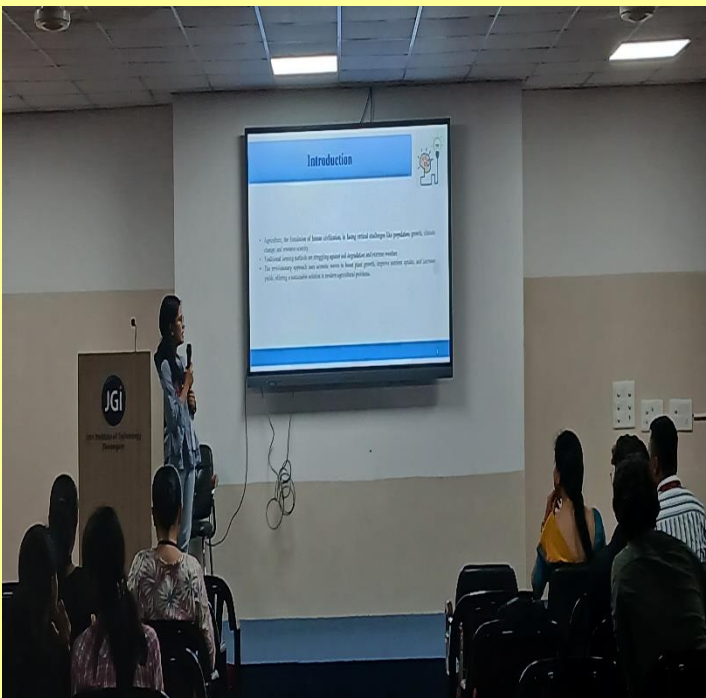
Isotrix



Tech Cross Word Hunt



Ideathon



Valedictory Ceremony of Emerge 2025



Images of Emerge-2K25 valedictory ceremony

Dr. Manjappa Sarathi, Director of Research and Consultancy at Sahyadri College of Engineering and Management, Mangaluru, was invited as the Chief Guest for the valedictory function. The program commenced with a warm welcome speech by Ms. Supriya P. **Dr. Santosh Herur**, the **Convener**, addressed the gathering, highlighting the significance of the event and appreciating the efforts of the participants. The guests felicitated the winners with prizes and shared motivational insights that encouraged students to pursue excellence. The function was graced by the presence of **Dr. Ganesh D B**, **Principal and Director**, **Dr. Santosh Herur**, **Convener**, along with **Prof. Sharanabasaveshwara H B** and **Prof. Savitra C T**, the Event Coordinators. The active participation of all staff members added to the vibrancy of the occasion. The event concluded with a heartfelt vote of thanks delivered by Ms. Chimayi D G, expressing gratitude to all who contributed to the success of the function.

EMERGE-2K25: Thanks giving ceremony(25/04/2025)



Images of Emerge-2K25 thanks giving ceremony

Emerge 2025 success meet and thanks giving ceremony was organised by the Department of Electronics & Communication Engineering. **Dr. Manjappa sarathi, Advisor,JITD** was invited as **chief guest** for the event. Certificates were distributed for all faculty coordinators and event coordinators. **Dr. Santosh Herur, Convener, Professor & HOD, Department of Electronics & Communication Engineering** addressed the gathering and shared the appreciation received from other institutions and colleagues regarding the successful conduction of Emerge 2025. He also thanked management and various departments for supporting for the successful conduction of the event. **Dr. Ganesh D B, Principal and Director, JITD** also addressed the gathering and congratulated the team of EMERGE 2025 for the successful conduction of the event. **Dr.Manjappa Sarathi, Advisor,JITD** also congratulated the team of JIT and Emerge and given his valuable feedback and suggestions. He also shared his best wishes for all the upcoming Events.