

Newsletter

AUGUST
2025

"We look down
upon ourselves.

We lack
confidence in our
capacity to
achieve great
things."



"There are some
who question
the relevance of
space activities
in a developing
nation."

Vikram Sarabhai



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, Davangere*

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

We are pleased to share with you the August issue of the newsletter for the year 2025 with a Heartfelt wish of Independence Day and Ganesh Chaturthi festival. 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** We must be second to none in the application of advanced technologies to the real problems of man and society- Vikram Sarabhai.*

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's Achievement: Semester Results

4th Sem 'A' section



Lisha G L
(4JD23EC050)
76.25%



Ganesh S
(4JD23EC031)
76.13%



Kavya Raghavendra
(4JD23EC044)
74.38%

4th Sem 'B' section



Sowmya M K
(4JD23EC103)
78.75%



Priyanka P H
(4JD23EC073)
77.87%



Shreya C K
(4JD23EC097)
75.50%

The VTU 4th Semester CBCS Results for the June- July 2025 Examinations were released for all regions on 31st July 2025. The Department of Electronics & Communication Engineering achieved a passing percentage of 50.72% in the 4th Semester A section and 44.61% in the 4th Semester B section.

In the A section, **Lisha G L** secured 1st place with **76.25%**, **Ganesh S** secured 2nd place with **76.13%**, and **Kavya Raghavendra** secured 3rd place with **74.38%**.

In the B section, **Sowmya M K** secured 1st place with **78.75%**, **Priyanka P H** secured 2nd place with **77.87%**, and **Shreya C K** secured 3rd place with **75.50%**.

Hearty congratulations to all the toppers of the E&C Engineering Department on behalf of the College Management, Principal, HOD, and Teaching & Non-teaching staff members.

48th series of Student Project Programme: State-Level Poster Presentation and Project Exhibition



In the 48th Series of the Student Project Programme (SPP) 2024-25, organized by the Karnataka State Council for Science and Technology (KSCST), Bengaluru, a team from the Department of Electronics and Communication Engineering (E&CE) participated in the state-level poster presentation and project exhibition held at JNNCE, Shivamogga, on 1st and 2nd August 2025. The project, titled "**LPG Gas Leakage Detection and Automatic Shutdown System with Real-Time Notification**," was guided by **Mrs. Anusha T S**, Assistant Professor, Department of E&CE. The project team comprised **Ms. Sindhushree M J**, **Ms. Harshitha V M**, and **Mr. Darshan S**. Hearty congratulations to the Project Guide and the student team from the College Management, Advisor, Principal, Head of the Department, and all the faculty members.

Faculty Achievement



Dr. Ravikumar K.I, Associate Professor, Department of Electronics and Communication Engineering, has been conferred with a **Certificate of Appreciation by Springer** for his participation in the **4th International Conference on 6G Communications, Networking, and Signal Processing (SGCNSP 2025)**, organized by **Sri Krishna Institute of Technology, Bengaluru**, held on **27th and 28th June 2025**. He received this recognition for presenting his paper titled, **“Comprehensive Research on Visible Light Communication: Innovation and Use Cases.”** Hearty congratulations to Dr. Ravikumar K.I on this accomplishment from College Management, Principal, HOD and all the staff members of E&CE Department.

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In the 48th Series of the Student Project Programme (SPP) 2024–25, organized by the Karnataka State Council for Science and Technology (KSCST), Bengaluru, a team from the Department of Electronics and Communication Engineering (E&CE) participated in the state-level poster presentation and project exhibition, held at Jawaharlal Nehru National College of Engineering (JNNCE), Shivamogga, on 1st and 2nd August 2025. The team was selected for the exhibition and awarded a Certificate of Participation for their project titled “LPG Gas Leakage Detection and Automatic Shutdown System with Real-Time Notification.” The project was guided by Mrs. Anusha T. S., Assistant Professor, Department of E&CE. The project team comprised Ms. Sindhushree M J, Ms. Harshitha V M, Mr. Amaranaik L and Mr. Darshan S. Heartly congratulations to the Project Guide and the student team from the College Management, Advisor, Principal, Head of the Department, and all the faculty members.

Phase-3 Placement Training: 28/07/2025 to 02/08/2025



The Department of Electronics and Communication Engineering, in collaboration with the Training and Placement Cell, JITD, organized **Phase-3 Placement Training Program on Advanced Technical Training** in association with Seventh Sense Talent Solutions, Bengaluru, from 28th July to 2nd August 2025. The program focused on strengthening students' Java basics and program execution through an online platform, thereby enhancing their skills for excelling in campus placements and corporate settings. On the final day, expert trainers delivered interactive sessions where students actively engaged in reviewing the concepts covered during the previous five days. This was followed by a hands-on session and an assessment conducted by the team comprising **Mr. Chandan, Mr. Jagdish, Mr. Bavith, Mr. Parshuram, Mr. Chirag, and Mr. Sartak**. The content was carefully designed to reinforce students' understanding of fundamental concepts and elevate their performance in advanced and dynamic programming sessions.

Mock Audit on Academic, Administrative, and NBA Compliance



An Academic and Administrative Audit, along with an NBA Compliance Audit, was conducted in the Department of Electronics and Communication Engineering on 7th August 2025. Audit Experts **Dr. Santosh Herur, Director, IQAC**, **Dr. Santosh M. Nejakar**, and **Dr. Latha B. M.** were invited to carry out the audit process. They thoroughly reviewed all the required documentation related to Academic and NBA Compliance at the department level and provided valuable feedback, suggestions, and observations aimed at enhancing the quality of documentation and presentation. The audit was conducted in the presence of **Dr. Ravikumar K. I., Accreditation Coordinator** and **Dr. Rajendra Soloni, IQAC Coordinator**, along with all teaching and non-teaching staff members of the department. The audit session served as a constructive step towards continuous improvement and preparedness for Academic and administrative and NBA Compliance.

Faculty outside world Interaction: NBA External Audit Experts



Dr. Santosh Herur, Professor & Head, Department of E&CE, Director, IQAC, Jain Institute of Technology, Davangere and **Dr. Rajendra Soloni**, Associate Professor, Department of E&CE and NBA Coordinator, Jain Institute of Technology, Davangere served as NBA Evaluation External Expert Members during the Mock NBA Accreditation Visit in the Department of E&CE at **UBDTCE**, Davangere on **14/08/2025**. The observations, suggestions and evaluations made by them about various criteria of the NBA were discussed with **Dr. Manjanaik**, Chairman, Department of E&CE, UBDTCE, Davangere which enhances the level of preparation for their actual NBA Peer Team Visit which is scheduled on 22nd, 23rd and 24th August 2025.

Student's Achievement : 2nd Semester Results



**Vishwanath Chanabasappa
Marigoudra
4JD24EC139
8.8 CGPA**



**Sandeep C Bhimaji
4JD24EC107
8.32 CGPA**



**Sujal Hanji
4JD24EC123
8.26 CGPA**

The VTU 2nd Semester CBCS Results for the June-July 2025 Examinations were released for all regions on 19th August 2025. The Department of Electronics & Communication Engineering achieved a passing percentage of 54% in the 2nd Semester results. **Vishwanath Chanabasappa Marigoudra** has secured 1st place with 8.8 CGPA, **Sandeep C Bhimaji** has secured 2nd place with 8.32 CGPA and **Sujal Hanji** has secured 3rd place with 8.26 CGPA. Hearty Congratulations to all the toppers of E & C E Department on behalf of College Management, Principal, HOD, Teaching and Non-teaching staff members.

Placement Drive: Johnson Controls



Johnson Controls conducted a Technical Test and PPT session for all eligible 7th - semester students of Electronics and Communication Engineering, Electrical and Electronics Engineering, and Mechanical Engineering at Jain Institute of Technology, Davangere, on **21st August 2025**, from 12:00 PM to 2:00 PM. A total of 51 students attended from the Electronics and Communication Engineering department. Prof. Sunil M, Placement Coordinator, Department of ECE, communicated with all the students regarding the Technical Test from Johnson Controls.

Student's Achievement : Best Paper Presentation Award



Mr. Manoj S. and **Mr. Manoj K. J.**, 7th - semester students of Electronics and Communication Engineering at Jain Institute of Technology, Davanagere, participated in the **National Conference NCSEEE 2025**, held at GMU, Davanagere, on 20th August 2025. Under the guidance of **Mrs. Savitra C. T.**, Assistant Professor, Department of E&CE, they were awarded the **Best Paper Award** for their paper titled **"Image Processing in CT Scan and Quality Assessment"**. Hearty Congratulations and best wishes from College Management, Principal, HOD, Teaching, and non-teaching staff members on his well-deserved achievement.

JITD Signs MoU with Silicon Microsystem for VGST-Sponsored Research Project



Jain Institute of Technology, Davangere, signed a Memorandum of Understanding (MoU) with Silicon Microsystem to collaborate on the VGST-sponsored project titled *“Development of a Universal FPGA-Based Embedded Development Board for Multi-Sector Applications Utilizing RISC-V Architecture.”* On 22nd August 2025.

The project is supported under the **Grants for Research Excellence** scheme of the **Vision Group on Science and Technology (VGST)** and the **Department of IT, BT and S&T, Government of Karnataka**. This initiative aims to strengthen research capabilities in advanced embedded systems and foster innovation in multi-sector applications.

Speaking on the occasion, representatives from both institutions highlighted that the partnership would enhance research infrastructure, promote industry–academia collaboration, and provide students with exposure to cutting-edge technologies.

This MoU marks a significant step in advancing technological research and development in Karnataka, furthering opportunities for innovation and skill development in the field of embedded systems.

The MoU signing was graced by **Principal & Director Dr. Ganesh D. B, Dr. Manjappa S, Dr. Santosh Herur, Mr. Jayachandra Aradhya and Mr. Sharanabasaveshwara H B**. Principal investigator Dr. Santosh Herur expressed that this collaboration will significantly strengthen research infrastructure, promote industry–academia partnerships, and enable students and faculty to work with advanced technologies in embedded systems and RISC-V architecture.

A Technical Talk on “DevOps: Build, Test and Deploy Faster”



Arka Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davangere
(A Unit of Jain Group of Institutions, Bangalore)



Department of Electronics and Communication Engineering

ORGANIZING

A Technical Talk on
“DevOps: Build, Test and Deploy Faster”

Resource Person
Mr. Vikas Yatnalli
Lead DevOps Engineer, Publicis Sapient



Date : 23/08/2025 Time : 10.15 am to 12.15 p.m Venue : EEE Seminar Hall

Forum Coordinator Mr. Sharanabasaveshwara H B	Professor & Head Dr. Santosh Herur	Principal Dr. Ganesh D B
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The Department of Electronics & Communication Engineering, Jain Institute of Technology, Davangere, organized a **Technical Talk on “DevOps: Build, Test and Deploy Faster”** on 23rd August 2025, from 10:15 AM to 12:30 PM. The session aimed to equip students with knowledge of modern software development and deployment practices. The resource person for the session was **Mr. Vikas Yatnalli, Lead DevOps Engineer at Publicis Sapient**, who delivered an engaging and insightful talk.

During the session, Mr. Vikas Yatnalli explained the **importance of DevOps in bridging the gap between development and operations**, enabling faster delivery of high-quality software. He introduced students to **key DevOps practices** such as Continuous Integration (CI), Continuous Deployment (CD), automated testing, configuration management, and monitoring. He also highlighted the role of **popular tools like Git, Jenkins, Docker, Kubernetes, and cloud platforms** in today’s DevOps workflows.

Students gained practical insights into how DevOps improves **collaboration, scalability, and efficiency in real-world projects**. The session emphasized the growing demand for DevOps professionals in the IT industry and encouraged students to develop hands-on skills in this emerging domain.

The event was well-received by both students and faculty members, who noted that such industry-oriented sessions help in enhancing employability skills and keeping pace with rapidly evolving technology trends.

The event was coordinated by **Prof. Sharanabasaveshwara H. B.**, Assistant Professor, Dept. of ECE, and **Dr. Santosh Herur**, Professor & Head, Dept. of ECE, who conveyed the Technical Talk. A total of **72 students from the 5th Semester** attended the program, along with all the faculty members of the E&CE Department.

