

Newsletter

JANUARY
2025

"We are all now
connected by the
Internet, like
neurons in a giant
brain."



"Intelligence is
the ability to
adapt to
change."

Stephen Hawking



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 January issue of the newsletter for the year 2025 with a Heartfelt wish of New year and Republic Day. 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 "Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last"-Stephen Hawking.

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.*

Address by Dr. G R Udupi---01/01/2025



Dr. G R Udupi, Director R&D, Angadi Institute of Technology, Belagavi addressed all the faculty members of E&CE and EEE department regarding R&D proposal writing and idea submission. He shared insights about proposal writing ,patent, grants and its procedure and innovation & design thinking applications in real life.

New Year Celebration



Student's Participation



5th semester of ECE Department **Manoj S, Manoj K J, Abhishek K H and Prajwal N Y** has presented a paper titled "**Human following robot using Arduino UNO**" under the guidance of **Prof. Savitra Totada** in a National Conference on "Emerging Trends in science, engineering & technology", organized by City Engineering College, Bangalore on 27th & 28th of December in online mode.

A Technical Talk on "IoT and Its Applications--11/01/2025



Arka Educational & Cultural Trust (R)
Jain Institute of Technology, Davangere
(A Unit of Jain Group of Institutions, Bangalore)
Department of Electronics and Communication Engineering



Organizing
Technical Talk
on
IoT and Its Applications

Resource Person
Mr. Mantesh Shirur
Embedded Software Engineer
Abeeyantrix Softlab, Davangere

Coordinator Dr. Rajendra Soloni Associate Professor, ECE	Convener Dr. Santosh Herur Professor & Head, ECE	Principal Dr. Ganesh D B JIT, Davangere
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Targeted Audience : 1st Sem, ECE Students
Venue: Auditorium

Date: 11 -01-2025 **Time: 9.30 AM to 11.00 AM**



Images of Technical talk

A Technical talk on "IoT and Its Applications" was organized by the Department of Electronics and Communication Engineering for 1st semester E&CE students in CSE Seminar Hall. Mr. Mantesh Shirur, Embedded Software Engineer, Abeeyantrix Edusoft, Davangere was invited as a resource person for this technical talk. He briefly explained about IoT, its architecture and applications & importance of IoT in different domains like agriculture, healthcare, vehicular. He has also discussed about IoT analytics. This technical event was organized as a course activity related to the course Introduction to IoT and it was organized by the course coordinators Dr. Rajendra Soloni, Associate Professor, and Dr. Santosh Herur, Professor and Head, Dept. of E&CE. At the beginning of this technical talk Ms. Shruthi S M, HR Manager, Abeeyantrix Edusoft, Davangere has briefed about the company.

Course Activity: 'Think-Pair-Share'



Images of course activity

Dr. Santosh Herur, Professor & Head, Department of E&CE and Course coordinator of Introduction to IoT conducted a seminar on "IoT Case Studies" for first year students. He congratulated to all J-section E&CE students for successful completion of Think-Pair-Share Activity (Group Activity) i.e., Seminar on IoT Case Studies and conveyed his wishes for their examinations.

Course Activity: 'Think-Pair-Share'



Images of course activity

Dr. Santosh Herur, Professor & Head, Department of E&CE and Course coordinator of Introduction to IoT conducted a seminar on **"IoT Case Studies"** for first year students. He congratulated to all H-section E&CE students for successful completion of Think-Pair-Share Activity (Group Activity) i.e., Seminar on IoT Case Studies and conveyed his wishes for their examinations.