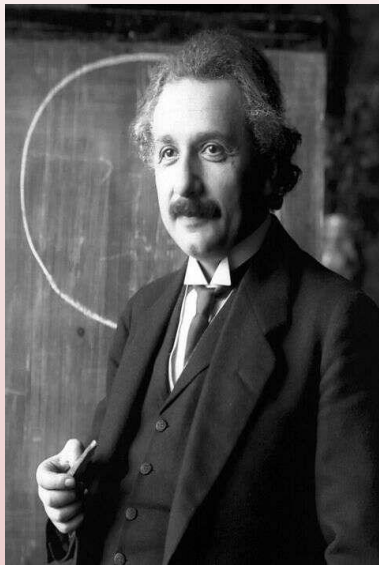


Newsletter

MARCH
2025

"Education is what remains after one has forgotten what one has learned in school."



"The important thing is not to stop questioning".

Albert Einstein



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,
JIT, Davangere*

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

We are pleased to share with you the March issue of the newsletter for the year 2025 with a Heartfelt wishes of Holi and Yugadi festivals. 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** A new type of thinking is essential if mankind is to survive and move to higher levels—Albert Einstein.*

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

3rd Sem 'A' section



Lisha G L
(4JD23EC050)
82.37%



Ganesh S
(4JD23EC031)
80.12%



Chinmayi S
(4JD23EC022)
78.25%

3rd Sem 'B' section



Sowmya M K
(4JD23EC103)
83.88%



Priyanka P H
(4JD23EC073)
79.13%



Sudhiksha S
(4JD23EC085)
76.00%

The VTU 3rd Semester CBCS Results for the January 2025 Examinations were released for all regions on 28th February 2025. The Department of Electronics & Communication Engineering achieved a passing percentage of 36.23% in the 3rd Semester A section and 36.92% in the 3rd Semester B section.

In the A section, **Lisha G L** secured 1st place with **82.37%**, **Ganesh S** secured 2nd place with **80.12%**, and **Chinmayi S** secured 3rd place with **78.25%**.

In the B section, **Sowmya M K** secured 1st place with **83.88%**, **Priyanka P H** secured 2nd place with **79.13%**, and **Sudhiksha S** secured 3rd place with **76.00%**.

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.

Project Proposals Approved for 48th series KSCST Sponsorship

In the 48th series of Student Project Programme (SPP): 2024-25, **Six Proposals** from the department of E&CE has been selected and sponsored. Hearty Congratulations to both the Project Guides and Students from College Management, Advisor, Principal, HOD and all the faculty members.

Project Team-1

The project proposal titled **“PARALYSIS PATIENT HEALTH MONITORING USING FLEX SENSORS”** was submitted by the following students under the guidance of **Dr. RAVI RAYAPPA.**, Associate Professor, Dept. of E&CE. An amount of **Rs. 4,500.00/-** has been sanctioned.



Project Team Members



ARFATH PASHA A



YAQUB KHAN



SAMREEN BHANU



**KASHIFA HALEEMA
DK**

Project Team-2

The project proposal titled **“REAL TIME INTRAVENOUS(IV) DRIP MONITORING SYSTEM FOR SMART HEALTHCARE FACILITIES USING LOAD CELL”** was submitted by the following students under the guidance of **Dr. RAVIKUMAR K.I.**, Assistant Professor, Dept. of E&CE. An amount of **Rs. 4,500.00/-** has been sanctioned.



Project Team Members



SUPRITHA C L



**SUVARNA S
KOPPAD**



CHETHAN R C



SHASHANK T

Project Team-3

The project proposal titled “**EARLY DETECTION OF GLAUCOMA USING DEEP LEARNING TECHNIQUES**” was submitted by the following students under the guidance of **Prof. PUSHPALATHA O.**, Assistant Professor, Dept. of E&CE. An amount of **Rs. 3,500.00/-** has been sanctioned.



Project Team Members



KIRAN KUMAR S H



**VIRAKTHI MATAM
RAKSHITH**



VARUN KUMAR B V



KUSHAAL A N

Project Team-4

The project proposal titled “**DESIGN AND IMPLEMENTATION OF AUTOMATED BLOOD BANK USING EMBEDDED SYSTEMS**” was submitted by the following students under the guidance of **Prof. SUNIL.M.**, Assistant Professor, Dept. of E&CE. An amount of **Rs. 4,500.00/-** has been sanctioned.



Project Team Members



DISHA S ASUNDI



ANANYA V



SANJANA K M



SHEETAL M S

Project Team-5

The project proposal titled **“LPG GAS LEAKAGE DETECTION AND AUTOMATIC SHUTDOWN SYSTEM WITH REAL TIME NOTIFICATION”** was submitted by the following students under the guidance of **Prof. ANUSHA T S.**, Assistant Professor, Dept. of E&CE. An amount of **Rs. 4,500.00/-** has been sanctioned.



Project Team Members



DARSHAN S



AMARANAİK L



SINDHUSHREE M J



HARSHITHA V M

Project Team-6

The project proposal titled **“RAILWAY TRACK CRACK AND OBJECT DETECTOR USING IOT”** was submitted by the following students under the guidance of **Prof. NAYANA.T.**, Assistant Professor, Dept. of E&CE. An amount of **Rs. 4,000.00/-** has been sanctioned.



Project Team Members



DARSHAN M



MALTESHA B M



ADARSH S S



VINAYAK C M

Technical talk on “Advancement in AI and Career Opportunities

JGI **NBT** **NAAC GRADE A+** **IQAC**

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
Advancement in AI and its
Career Opportunities

Resource Person
Mr. Mallesh V S
Technical Team Manager
Abeyaantrix Edusoft, Davangere

Coordinator
Mr. Sharanabasaveshwara H B
Assistant Professor, ECE

Convener
Dr. Santosh Herur
Professor & Head, ECE

Principal
Dr. Ganesh D B
JIT, Davangere

Targeted Audience : 6th Sem, ECE Students
Venue: FF123

Date: 17-03-2025 **Time: 11.30 AM to 01.00 PM**



Images of technical talk

The Department of Electronics and Communication Engineering organized a technical talk on "**Advancement in AI and Career Opportunities**" for 6th-semester E&CE students. **Mr. Mallesh V S**, Technical Team Manager at Abeyaantrix Edusoft, Davangere, provided insights into AI advancements like **machine learning, deep learning, NLP, and computer vision** and their impact on industries such as healthcare, finance, and automation. He discussed ethical challenges, career paths in AI (AI engineering, data science, robotics), and essential skills like **Python, TensorFlow, and data analysis**. Students were encouraged to engage in AI projects, certifications, and research to enhance their employability.

Student's Participation : Paper Presentation



6th semester students of ECE department participated in the **PAPYRUS**, a state level technical paper presentation event held at BIET, Davangere on 17th March 2025. A total 7 students participated and presented their technical papers during the event.

Faculty Outside World Interaction -- 17/03/2025

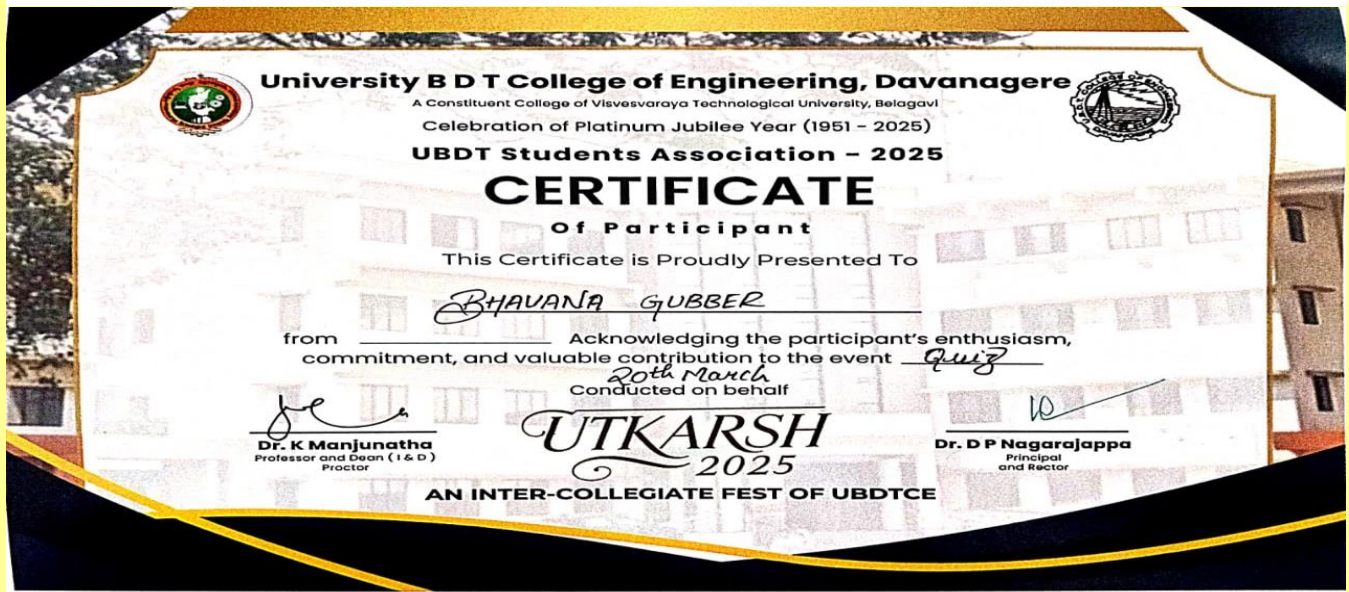
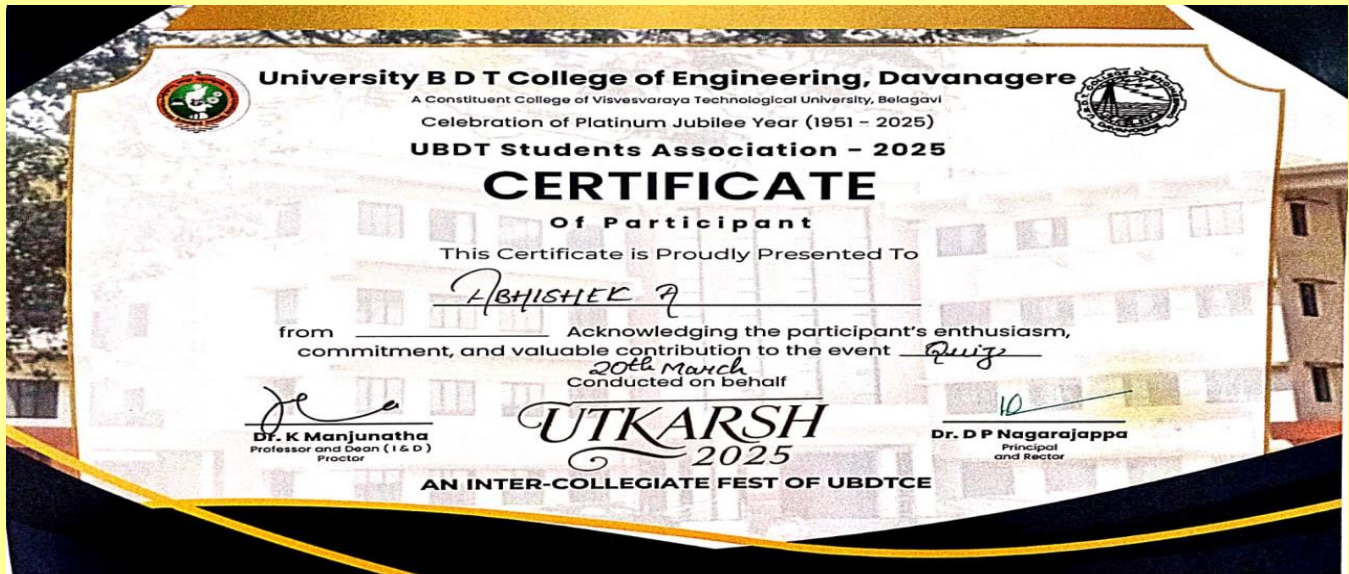


Images of faculty outside world interaction

Dr. Santosh Herur, Professor and Head, Dept. of E&CE and Director, IQAC of Jain Institute of Technology, Davangere visited KLS Vishwanathrao Deshpande Institute of Technology (KLS VDIIT), Haliyal as an **Audit Expert member** for the **Mock NBA Accreditation** Visit scheduled on **17th March 2025**. His expertise and valuable insights played a crucial role in assessing their preparedness to face NBA Accreditation which they are on the verge of NBA pre-qualifiers submission.

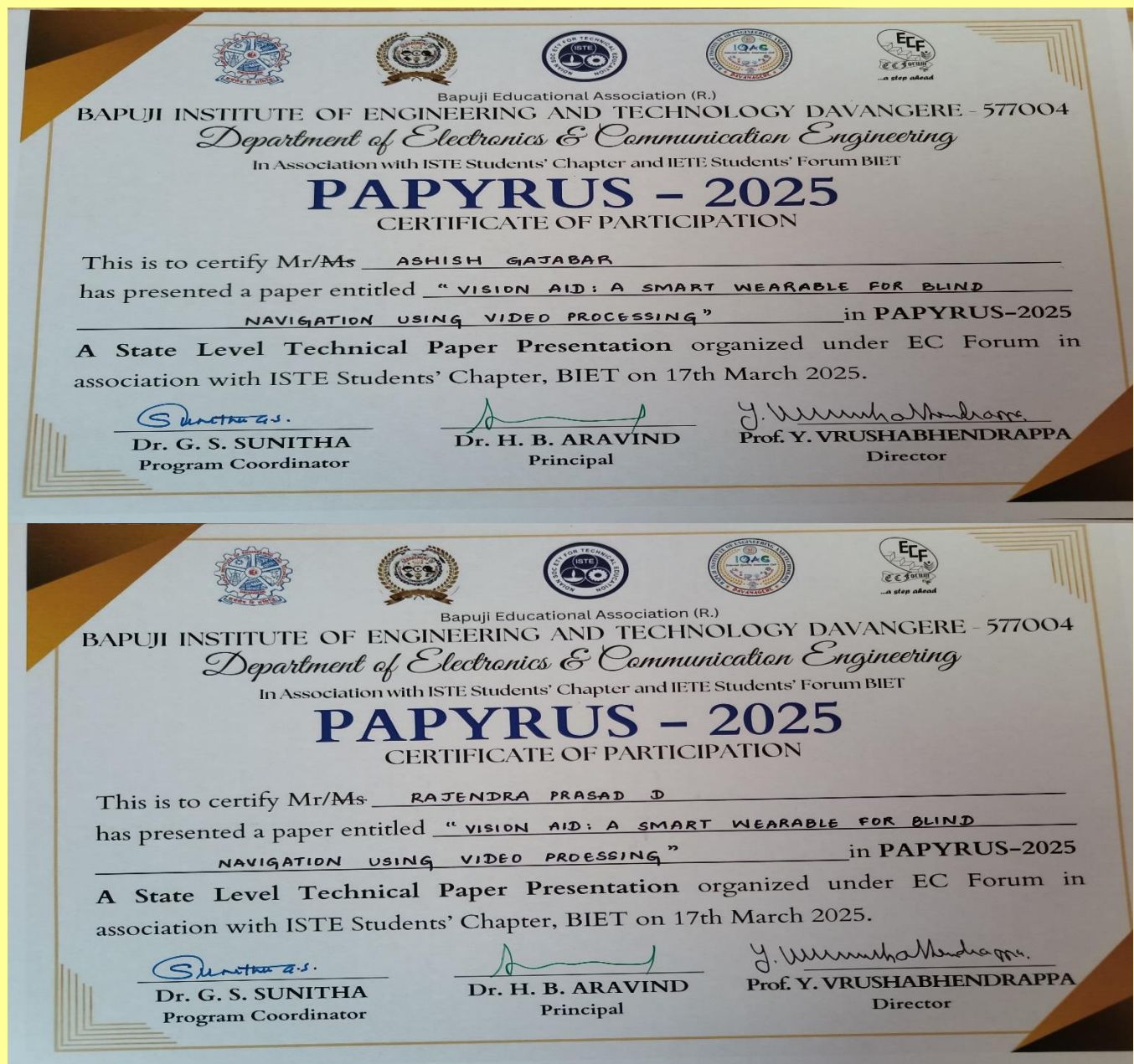
The visit included a comprehensive review of their academic processes, infrastructure, faculty preparedness and documentation in alignment with NBA requirements. His observations/remarks followed with critical evaluation helped them to enhance their accreditation readiness.

Student's Participation



Abhishek A and **Bhavana Gubber** from the 6th semester of the Electronics and Communication Engineering Department participated in the Inter-collegiate fest **UTKARSH 2025**, held at University B.D.T. College of Engineering, Davanagere, on **20th March 2025**, and received certificates for their active participation in the quiz.

Student's Participation : Paper Presentation



Ashish Gajabar and Rajendra Prasad D from the 6th semester of the Electronics and Communication Engineering Department participated in **PAPYRUS**, a state-level technical paper presentation event held at BIET, Davangere, on **17th March 2025**. They presented their paper titled "**Vision AID: A Smart Wearable for Blind Navigation Using Video Processing**" and received certificates for their active participation.