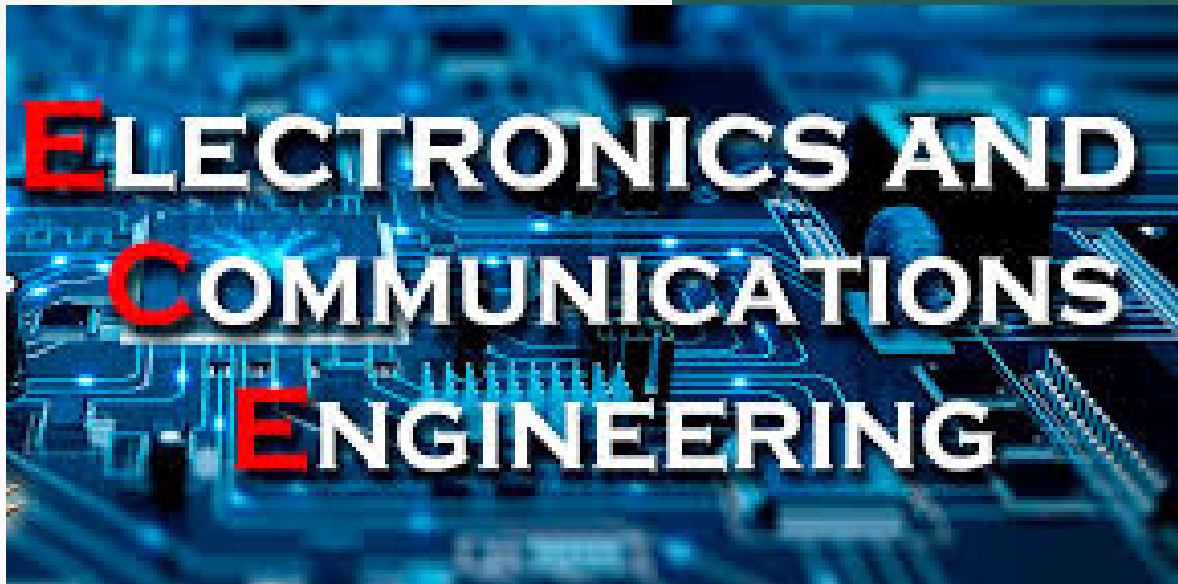


# DWANI

## 2022-23



### MISSION OF THE DEPARTMENT

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### VISION OF THE DEPARTMENT

Centre of Excellence to Empower the young minds in the field of Electronics and Communication Engineering with research focus and skill development through Transformative Education catering to the needs of the Society.



**Chief Editor**

**Mr. Sachin K , Assistant Professor,  
Dept. of ECE**

- To create Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.
- To Empower the Students with necessary Skills for Solving the Complex Technological Problems.
- To Inculcate Research Culture among Teaching-Learning Group by guiding them towards Research Activities to bridge the gap between Industry and Academia.
- By Imbibing the Students with Human Values and Ethics through Transformative Education and make them Socially Responsible professionals.

## **About the Department .....**

Department of Electronics and Communication (E&C) Engineering is accredited by National Board of Accreditation (NBA), New Delhi. ECE is one of the renowned branches in the field of Engineering, have proved time and again, that they play a pivotal role in both the developing and well-being of our society in the fast paced human life. E&C branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems.

## **Program Specific Outcomes (PSO's)**

### **PSO 1**

Understand and apply the principles of Science and Engineering in the field of Electronics and Communication.

### **PSO 2**

Ability to design and implement systems using the concepts of Analog & Digital Electronics, Communication & Networking, Signal Processing, Embedded Systems & Semiconductor technology to solve complex problems.

### **PSO 3**

Develop proficiency to use modern Hardware & Software tools in the area of Electronics and Communication Engineering.

## **Programme Educational Objectives (PEO's)**

### **PEO 1**

Apply Mathematical, Scientific and Engineering fundamentals for problem solving.

### **PEO 2**

Expose to Emerging Technologies and pursue higher studies or do research.

### **PEO 3**

Become Competent and Employable with necessary skills.

### **PEO 4**

Inculcate Professional and Ethical attributes and contribute to Society as responsible Citizen.

# A message from THE HEAD OF THE DEPARTMENT

I am happy to share that Department of Electronics and Communication Engineering is releasing the newsletter, enumerating the various activities and achievements of our faculty members and students during the period of August 2022 to May 2023. The department endeavors to produce confident professional tuned to the real time working environment. The Department offers an excellent academic environment ecosystem with a team of highly qualified faculty members to inspire the students to develop their technical skills and to inculcate the spirit of teamwork among them.

I would like to thank our Management, Principal, colleagues, students and other stakeholders for supporting and making it possible to contribute back to society. With your support, our Department will continue to excel and contribute to our society to make it a better place to live.



**Dr. D V Manjunatha**  
Head of the Department

# ACTIVITIES

**Resource Person:** Mr. Nagendra R Setty, Managing Director, Ideas Manufacturing Pvt. Ltd. Mysore.

**Date:** 3<sup>rd</sup> December 2022 | **Time:** 11.00AM to 1.00 PM

Department of ECE, AIET conducted the third technical talk of the odd semester 2022-23 on **"Future Trending Technologies in Electronic Field"**

for the staff and students of 3<sup>rd</sup> and 5th semester - ECE on 3<sup>rd</sup> December t 2022 by **Mr. Nagendra R Setty**, Managing Director, Ideas Manufacturing Pvt. Ltd. Mysore.

Topic: "Play store"

Place: Department of ECE, AIET

**Date:** 27 January 2023| **Time:** 11:00AM to 12:30 PM.

4<sup>th</sup> technical talk of 2022-23 odd semester was held on 27<sup>th</sup> of January 2023 by the ECE department. The resource person of the day was Mr. Vijay who is an alumnus of our college.

**Topic: "Additive Manufacturing and its Applications"**

**Resource Person: Dr. Roopa S**

Associate professor, Department of Polymer Science and Technology, JSSTU Mysore

**Date:** 27-05-2023      **Time:** 11:00AM to 12:30 PM.

A seven-day workshop on product development life cycle using KiCAD software was conducted by the Department of Electronics and Communication Engineering at our college from June 8th, 2023 to June 15th, 2023. The workshop was aimed at providing hands-on experience to the participants on creating electronic product designs using KiCAD. The workshop covered various stages of the product development life cycle, including ideation, design, prototyping, testing, and manufacturing.

## PATENTS PUBLISHED in 2022-23

SL. NO	TITLE OF THE PATENT	APPLICATION NUMBER	NAME OF INVENTOR	YEAR / DATE OF PATENT PUBLISHED
1	Development of mosquito repellent incense sticks using tulasi, ketaki flower and neem	202341037224	Dr. Guruprasad B	30 May 2023
2	IOT Based Electric Monitoring System In Agricultural Farm	202341025395	Dr. Veeraprathap	5 May 2023
3	Design And Development Of Artificial Intelligence Assistant Pocket Device For Fertiliser Quality Test based on IR spectroscopy method using GP-1992 microcontroller	202341036812	Dr. Guruprasad B	28 May 2023

### Workshop/ Seminar/ Conferences Attended

- Dr.Manjunatha & Mrs.Shwetha attended FDP on Python Programming in Maharashtra, 2023.
- Dr.Guruprasad attended 1 week workshop on “Advanced Characterization Techniques for Chemical Scaffold (STUTI-ACTS-2022) in GuruNanak University, Punjab.
- Dr.Guruprada and Mr.Sushanth Anil Lobo attended 10 days workshop on “Hands on Training on Nanofabrication and Characterization Techniques” in IISC Bangalore and IIT Bombay

## **Achievements of Students & Staff**

- Department of ECE is re-accredited by NBA, New Delhi for a period of 3 years till June 2025.
- Mr.Arjun Rao obtained Doctoral Degree (PhD) from VTU , Belagavi under the guidance of Dr.Manjunatha.D.V., from AIET ECE Research Center
- Mr.Veera Prathap V , Sr Assistant Professor , Department of ECE, Completed Ph.D .and awarded Doctorate Degree from Bangalore University, During December 2022
- Mr.Guruprasad , Sr Assistant Professor , Department of ECE, Completed Ph.D. and awarded Doctorate Degree from VTU Belagavi, During Feb 2023
- Mr. Roshan Shetty, Sr Assistant Professor , Department of ECE, Completed Ph.D. and awarded Doctorate Degree from Reva University Bangalore, During Feb 202
- Varshini K L , 6th Sem Student & Aishwarya M T, 8th Sem Student Won 2nd Place and 1st place in Folk Dance and Folk Orchestra respectively in VTU Fest-2023
- Varshini K L of 6th Sem & Aishwarya M T of 8th Sem Won 2nd Place and 1st place in Folk Dance and Folk Orchestra respectively in VTU Fest-2023
- Prakruthi K P of Second year ECE Won 4th place in “International Particle partition challenge” Organized by NASA

## **Charitable /Social Connect Activities**

- Heritage walk under Social Connect Responsibility- A Visit to St. Lawrence Church, Attur, Karkala and Sri Someshwara Temple Puthige by 123 students of 2nd Year was carried during March 2023.
- Swacha Abhiyan Programme was conducted in Mijar & Kambettu to create awareness and importance of Clean environment among people of the mentioned villages during Oct 2022 by 58, 4th Semester students of ECE.

