NEWSLETTER

# ELECTROGALORE

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### JULY '23

## ECE MARVELS
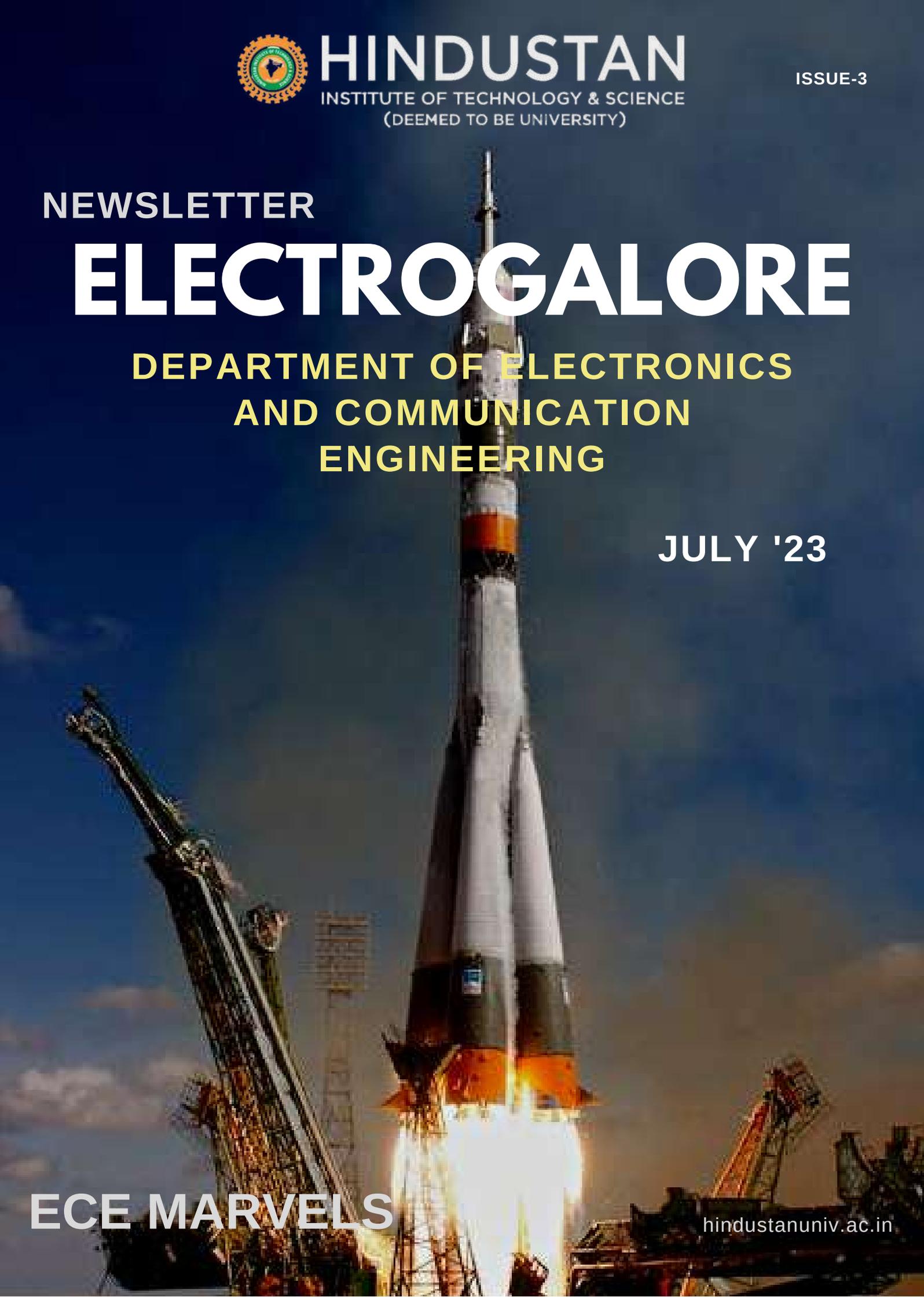
# IN THIS EDITION

# MESSAGE FROM HOD

It is with great pleasure that I extend a warm welcome to all of you to the Department of ECE. We are thrilled to announce the release of the latest edition of our newsletter, ELECTROGALORE, which proudly marks our third volume in the year. This edition serves as a testament to the remarkable accomplishments and activities undertaken by both our esteemed faculty members and talented students throughout the last quarter. As the department head, I would like to express my deepest gratitude and extend my warmest wishes to all the dedicated students and faculty members who have contributed their valuable efforts towards the continuous growth and success of our department. Your unwavering commitment to excellence and passion for the field of ECE have truly made a significant impact. Let us celebrate the achievements of our department and continue to strive for excellence in all our endeavours.

**Dr. A. L. Vallikannu**
**Department Head,**
**Department of ECE**

# COURSES OFFERED

### UNDERGRADUATE

- B.TECH (ECE) - ELECTRONICS & COMMUNICATION ENGINEERING
- B.TECH ECE WITH SPECIALISATION IN ELECTRONICS MANUFACTURING TECHNOLOGY

### POSTGRADUATE

- M.TECH (ECE) WITH SPECIALIZATION
- DIGITAL IMAGE PROCESSING
- EMBEDDED & REAL TIME SYSTEMS
- M.TECH. DEFENCE TECHNOLOGY (COMMUNICATION SYSTEMS & SENSORS)

# FACILITIES OFFERED

Our department boasts advanced laboratory facilities covering various subjects, such as DSP, Computer Networks, Communication Engineering, Microwave Engineering, and Optical Communication. These well-equipped laboratories provide students with the necessary tools to conduct experiments and tests, facilitating their skill development in communication engineering, microwave design, and optical design. Furthermore, our department proudly hosts Centres of Excellence dedicated to Underwater Robotics and Communications, Sensors and Process Control, Texas Instruments Innovations, and a thriving DIY Electronics Club, offering students additional avenues to explore and excel in their chosen fields.

# ELECTROGALORE

## INDUSTRY CONNECT



## LETTER OF AGREEMENT WITH QMAX TEST EQUIPMENTS | Event Date: Thursday, 15th, June 2023

ECE department establishes the Centre of Excellence for eHardware Innovative Test-Technology Systems (eHITS) in collaboration with Qmax Test Equipment's Pvt. Ltd (QMAX). The Letter of Agreement (LoA) signing ceremony was held on the 15 of June 2023 and the event was coordinated by the Department of Electronics and Communication Engineering. Dr. Anand Jacob Verghese, Chancellor; Mr. Ashok Verghese, Pro Chancellor; and Dr. S. N. Sridhara, Vice Chancellor from HITS and Mr. S.R. Sabapathi (Founder and CEO – QMAX) along with the QMAX team participated in the ceremony.

# EVENTS CONDUCTED

## SHORT TERM TRAINING PROGRAM: 04 TO 08 JULY 23



The crash course in Electronic Design introduced participants to advanced simulation tools and focused on **PCB design using Orcad PSPICE and PADS software**. Students gained hands-on experience with **CAD files, PCB layout, and state-of-the-art circuit analysis methods**.

# ELECTROGALORE

## EVENTS IN QUEUE

In the awe-inspiring realm of cutting-edge technology, prepare to be mesmerised as the eminent IET presents a **Technical Talk on Artificial Intelligence**, slated for the 1st of August 2023. The event shall feature the esteemed presence of Industry Expert who will be illuminating our minds with precious knowledge.

Calling all tech enthusiasts! Embark on an enthralling journey through the labyrinth of **Networks during the Workshop** orchestrated by IETE on the 21st of August 2023. Be enlightened by the wisdom of Industry Experts who shall unravel the mysteries of connectivity.

Brace yourself for an extraordinary experience at the **Technical Seminar by IEEE**, where a magnificent talk about Electronics Manufacturing Technology shall unravel its wonders from the 4th to the 23rd of September 2023 in our splendid campus premises. TANSAM Chennai will enlighten the event by giving the technical seminar and lighting our brains with immense knowledge.

The knowledgeful technical talk set to happen about **Real-time IoT Project Development** awaits your presence on the 22nd of September 2023. IETE, with its profound knowledge, shall usher you through this enlightening Technical Talk led by none other than the esteemed Industry Expert.

Delve into the fathomless abyss of knowledge with the captivating **Guest Lecture by IETE** on the 29th of September 2023. Prepare to be mentored in the art of Career Planning & Guidance by Mr. Damodharan, a Senior Software Engineer from Wipro Technologies who will be mesmerizing our minds with helpful guidance on how to choose your career.

# ELECTROGALORE

## STUDENTS' INTERNSHIP

### QMAX

Congratulations to our final year and pre final year students for their outstanding academic achievements and successful internships at esteemed companies. With great pride, we announce their internships at QMAX, TANSUM, and ZOHO. These exceptional students have demonstrated remarkable academic prowess, capturing the attention of these prestigious organizations. Through their internships, they will gain hands-on experience, working alongside industry experts and contributing to cutting-edge projects.

**ALL THE BEST**

| S.No | Register Number | Students' Name |
|------|-----------------|----------------|
| 1 | 20121002 | ONTI REDDY RAGHAVENDRA |
| 2 | 20121004 | ENAMALA DEEPAK |
| 3 | 20121005 | SAMUEL DAVID VINCENT |
| 4 | 20121011 | ROHAN SANJAY WARRIER |
| 5 | 20121020 | ORUGANTI VENKATA VISHNU VARDHAN KOUNDINYA |
| 6 | 20121030 | GOKUL PRASANNA |
| 7 | 20121034 | KURUBA SAIKIRAN |
| 8 | 20121038 | MOHAMMED ADHIL |
| 9 | 20121042 | PAKAM RISHITHA |
| 10 | 20121045 | GUNDALA TARUN |
| 11 | 20121055 | I K MATHEW (LES) |
| 12 | 20121058 | NEELISETTI VENKATA SAI SARATH (LES) |
| 13 | 20121059 | SRIKANTH V.S (LES) |

# ELECTROGALORE

# STUDENTS' INTERNSHIP

## ZOHO

| S.NO | REGISTER NUMBER | STUDENTS' NAME |
|------|-----------------|----------------|
| 1 | 20121007 | GALI KRISHNA BHARATH |
| 2 | 20121018 | YEDDULA GUNAVANTH REDDY |
| 3 | 20121029 | KOMATI REDDY KARTHI KESWAR REDDY |
| 4 | 20121044 | SHAIKGAJJI SYED BASHA |

## TANSUM

| S.NO | REGISTER NUMBER | STUDENTS NAME |
|------|-----------------|---------------|
| 1 | 21121006 | SHARUK AHAMED |
| 2 | 21121014 | M.VARUN |
| 3 | 21121057 | JEROME GEORGE |
| 4 | 21121075 | VEMU NISSY |



OUR PRE-FINAL YEAR STUDENTS AT TANSUM INTERNSHIP

ALL THE BEST

# ELECTROGALORE

# FACULTY ACHIEVEMENT



**Associate Professor Dr. VR Prakash from ECE, received the Partnership Award at PALS VALEDICTION 2022-23 from IIT Chennai on June 15, 2023. The recognition from PALS VALEDICTION 2022-23 and IIT Chennai highlights the importance of our faculty contributions in fostering effective partnerships, which can lead to advancements in research, academic exchange, innovation, or other areas of significance**

# INDUCTION OF NEP

**We are pleased to announce the integration of the National Education Policy (NEP) 2020 into our B.Tech ECE program, starting from the upcoming odd semester of the current academic year, 2023-24. This progressive update aligns our curriculum with the latest educational reforms, fostering a holistic and innovative learning environment. This will help the students in developing an intellectual and practical idea of fundamental concepts and will help to strengthen their bases.**

# ELECTROGALORE

# FACULTY PUBLICATIONS

| S.NO | FACULTY NAME | TITLE OF THE PAPER | JOURNAL NAME | MONTH OF PUBLICATION |
|---|---|---|---|---|
| 1 | M. Kavitha | Wide band Monopole Pentagon Shaped. Slotted Antenna for WiFi6E Applications Based on Partial Ground Structure | SSRG International Journal of Electrical and Electronics Engineering | May 2023 |
| 2 | Dr. P. Sankar | Objective Full-Reference Image Assessment Metrics for Estimating the Quality of Remote Sensing Images | IEEE conference | June 2023 |
| 3 | Dr. M. Rajmohan | Communication using RedTacton Devices for Tourism development | EEE conference | May 2023 |
| 4 | Dr. P. Sankar | An Experimental study on the development of a low cost non invasive equipment for the quality check in perishable foods | Journal of Data Acquisition and processing | July 2023 |
| 5 | Dr. Bc. Kavitha | Smart city Transport Updater | International Conference on IoT, Communication and Automation Technology (ICICAT 2023), Buddha Institute of Technology Gorakhpur (UP), India | June 2023 |
| 6 | Dr. Pallavi singh | Neural network architecture for ROI segmentation based on MELANOMA Detection | International Conference on IoT, Communication and Automation Technology (ICICAT 2023), Buddha Institute of Technology Gorakhpur (UP), India | June 2023 |

# ACADEMIC CALENDAR-ODD SEMESTER

| Academic Activity | III, IV YEAR | II YEAR | I YEAR |
|---|---|---|---|
| Commencement of Regular Classes | 12.7.23 | 1.8.23 | 7.8.23 |
| CIA 1 | 17.8.23 | 24.8.23 | 18.9.23 |
| CIA2 | 4.10.23 | 11.10.23 | 6.11.23 |
| Commencement of end semester regular Examinations | 12.11.23 | 12.11.23 | 3.1.24 |
| Last Date for Registration of courses for even semester | 15.12.23 | 15.12.23 | 20.12.23 |
| Reopening for the next semester for all the programs | 3.1.24 | 3.1.24 | 22.1.24 |

# EDITORIAL BOARD

## FACULTY

**Ms. M. Kavitha**
**Assistant Professor (SG)**
**Department of ECE**

**Dr. Prem Shankar Pandey**
**Asst. Professor (SG) &**
**Technical Editor, Dept. of Languages**

## STUDENTS

**Tharun.K**
**III ECE- A Sec**

**Amitesh.M**
**III ECE- B Sec**

**Microsite link for ECE:**

**http://hindustanuniv.ac.in/hits-ece/inx.html**