

# Newsletter Apr 2022

## From the HOD's Desk

Welcome to the Dept. of ECE, at RSET, Kochi. This newsletter will be covering departmental activities of staff and students and the major milestones achieved .

Electronics and Communication

Engineering is one of the most popular courses in the engineering field. As the name suggests, the course complies the concepts from both the communication and the electronic engineering courses.

There is no dearth of good opportunities for an Electronics and Communication Engineer as they can avail job opportunities in a multitude of industries upon successful completion of their degree.

### VISION:

To evolve into a premier technological and research institution, moulding eminent professionals with creative minds, innovative ideas, and sound practical skill, and to shape a future where technology works for the enrichment of mankind.



### MISSION:

To impart state-of-the-art knowledge to individuals in various technological disciplines and to inculcate in them a high degree of social consciousness and human values, thereby enabling them to face the challenges of life with courage and conviction.

### The Way Forward:



## About the Department

HOD: Dr. Rithu James

VLSI Research Group:  
Dr. Jobin K Antony

Communication  
Research Group:  
Dr. Jaison Jacob

Signal Processing  
Research Group:  
Ms. Harsha A

Editor:

Ms. Deepthy G S

Staff Activities: Mr.  
Abhishek Viswakumar

Staff Activities  
Publications: Mr.  
Ajai V Babu

Student Activities: Mr.  
Rony Antony

Placement Activities: Mr.  
Kiran K A

Short Term Courses:  
Dr.Simi Zerine Sleebea

Lab new S/W & H/W:  
Ms. Jisa David

Mentoring Activities: Ms.  
Preethi Bhaskaran

Alumni Activities: Mr.  
Bonifus P L

Industry Interactions: Mr.  
Karunakara P Menon

The Department of Electronics and Communication Engineering, RSET (Communication Research Group) together with the Department of Applied Electronics and Instrumentation Engineering, Rajagiri School of Engineering & Technology organized a seminar on “**Medical Image Segmentation using Deep Learning approaches**” on 28<sup>th</sup> April 2022. This training was intended for knowledge up-gradation of students and Research scholars. Resource person: **Dr.Kumar Rajamani**, Senior Scientist, Philips Venue-Multimedia Hall Time-2.00-4.00 PM



The poster features the RSET logo and the Electronauts logo. The title "Medical Image Segmentation using Deep Learning Approach" is in a red box. Below it, the date "28th April 2022", time "12:45pm", and location "Multimedia hall" are listed. A circular portrait of Dr. Kumar Rajamani is on the right. A red box at the bottom right identifies him as "Dr. Kumar Rajamani, Philips Research, Bangalore". A black box at the bottom left lists coordinators: "Dr. Jayanthi V S, Professor, Dept. of ECE" and "Dr. Hari C V, Assistant Professor, Dept. of AEI".

The Department of Electronics and Communication Engineering, Rajagiri School of Engineering & Technology organized a Five-day International Workshop on “**Embedded systems, RTOS and CAN Bus**” from 25<sup>th</sup> – 29<sup>th</sup> April 2022. Coordinators: Dr Jobin K Antony & Mr Anoop Thomas





**RSET**  
RAJAGIRI SCHOOL OF  
ENGINEERING & TECHNOLOGY  
(AUTONOMOUS)

## **International Workshop on Embedded Systems, RTOS and CAN bus**

**26 -29 April 2022  
Venue: Shockley Lab**

**Offered to all Circuit Branches (UG & PG)**

### **Day 1**

- **Introduction to Microcontroller Unit**
- **Introduction to IDE (LAB)**

### **Day 2**

- **Real-Time Operating Systems(RTOS), State model of Free RTOS**
- **Lab/Assignments-LAB**

### **Day 3**

- **RTOS scheduling, semaphores and queues**
- **Lab/Assignments-LAB**

### **Day 4**

- **CAN Bus features**
- **Implementation of the CAN Bus network**

**Organised by  
Department of Electronics & Communication Engineering  
Rajagiri School of Engineering & Technology, Kochi**

**Coordinators:  
Dr. Jobin K Antony & Mr. Anoop Thomas**