

# Newsletter Dec 2020

## 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.

To succeed today engineers, need to learn, unlearn, and relearn new skills. Technology is advancing so rapidly that technical skills mastered a decade ago are increasingly becoming outdated. Engineers need to become more adaptable and nimbler if they expect to succeed professionally.

Regarding engineers who possess the needed skill sets, the world is theirs for the taking and they can expect to have a long and promising career in the technology industry.

### 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

Communications  
Research Group:  
Dr. Jaison Jacob

Signal Processing  
Research Group:  
Ms Harsha A

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 Sleeba

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

Upcoming Activities  
Events:  
Ms..Deepthy G S

Mentoring Activities:  
Ms.Preethi Bhaskaran

Alumni Activities:  
Mr.Bonifus P L

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## ACHIEVEMENTS:

Event	Details	Faculty Name	Duration	University/Institute
FDP	Electromagnetics & Antenna Technology	Ms. Sherry Ann Sacharia, Ms. Shyama Sreekumar, Ms. Mariya Vincent	1 <sup>st</sup> to 5 <sup>th</sup> Dec 2020	Dept. of ECE, LBS Institute of Technology for Women
	Machine Learning and deep learning – A hands-on Approach	Ms. Tressa Michael, Mr. Abhishek Viswakumar	7 <sup>th</sup> to 19 <sup>th</sup> Dec 2020	CUSAT, AICTE Sponsored Faculty Development Program
NPTEL Course	Principals of Signal Estimation for MIMO/OFDM Wireless Communication	Ms. Shyama Sreekumar, Ms. Mariya Vincent	16 <sup>th</sup> Sep to 9 <sup>th</sup> Dec 2020	NPTEL and SWAYAM
	Switching Circuits and Logic Design	Dr. Sabna N		
FDP(ATAL)	Wearable Devices	Ms. Deepthy G S	30th Nov to 4th Dec 2020	Karunya Institute of Technology and Sciences, AICTE Training and Learning (ATAL) Academy
STTP	Outcome Based Education for Technical Institutions Phase-III: Outcome Based Education & Accreditation	Mr. Kiran K A, Dr. Jaison Jacob, Mr. Dhanesh M.S., Ms. Deepthy G S	10 <sup>th</sup> to 16 <sup>th</sup> Dec 2020	RSET
	High Intense Course on Machine Learning with Matlab	Ms. Rinju Mariam Rolly	7 <sup>th</sup> to 12 <sup>th</sup> Dec 2020	VelTech High Tech Engineering College
Webinar	Business Ethics	Mr. Dhanesh M.S.	5 <sup>th</sup> Dec 2020	RSET
	The Secrets of Great Teamwork		12 <sup>th</sup> Dec 2020	

## PAPER PUBLICATION:

Faculty Name	Paper Title	Journal details
Dr. Jisa David*	Detection of Distributed Denial of Service Attacks based on Information-Theoretic Approach in Time Series Models	Journal of Information Security and Applications 55 (2020) 102621

*\*Our faculty and staff are extremely proud of Ms. Jisa David who has achieved her Doctoral degree. Congratulations on your achievement. Wish you a successful and bright life ahead.*

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## STUDENT ACHIEVEMENTS: "Won the Best paper Award"

Sl.No	Name of student	Paper Title	Details	Date
Paper Publication				
1	Rizwana Raieessee, Sherin Paul, Vignesh H and Vivek Murali Pisharody (2016-20 Batch ECE students), Dr. Simi Zerine Sleeba (Assistant Professor, Dept. of ECE)	Smart Glove for Deaf People using Machine Learning	The AICTE sponsored International Conference of Current Trends in Health Care Informatics and Technology' ( ICCTHIT, '20)	10 <sup>th</sup> to 11 <sup>th</sup> Dec 2020

## TECHNICAL STAFF ACHIEVEMENTS:

Sl.No	Program	Duration	Organised by	Venue
1	Assembling and Demonstration of LED Tube and LED bulb	15 <sup>th</sup> Dec 2020	Mr. Roy K. T. & Mr. Saju Varghese	Electronics Workshop

### *Training on Assembling & Demonstration of LED Tube and LED bulb for Technical Staff:*



*May this year bring new happiness, new goals, new achievements, and a lot of new inspirations on your life. Wishing you a year fully loaded with happiness.*