

## 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 a promising growth-driven stream, and adequate knowledge in the field, when amalgamated with specific skill set, qualifies the individual for a wide range of entry-level openings. The skills of ECE engineers in planning, executing the testing process, framing of the system layouts, and delivering the end product in an impeccable way enhances their market value as electronics have become the vertebrae of digital technology.

### VISION:

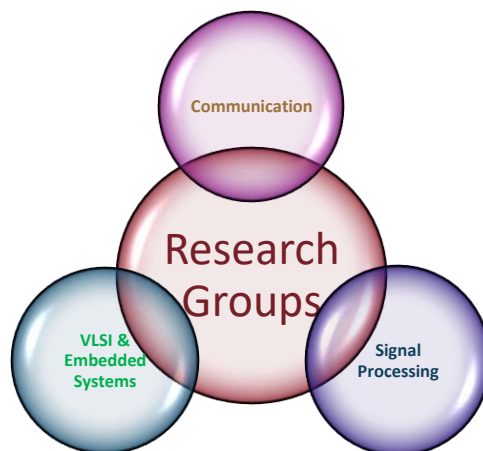
To evolve into a premier technological and research institution, moulding eminent professionals with creative minds, innovative ideas, and sound practical skill, and to shape a future where technology works for the enrichment of mankind.



### 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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## PAPER PUBLICATIONS:

Faculty Name	Paper Title	Journal details
Ms. Tressa Michael	Modeling the efficiency of SCR Catalyst in the exhaust system	Screen reader support enabled International Journal of Scientific & Engineering Research, Volume 11, Issue 7, July-2020 ISSN 2229-5518
	SAODV Protocol Based Cryptographic Technique for Automotive Cybersecurity	International e-Conference on Recent Trends in Electronics, Computing and Communication Engineering (ICRTECC). International Journal of Scientific Research in Science, Engineering and Technology(IJSRSET), e-ISSN : 2394-4099 Volume 7, Issue 3, May-June-2020.

## ACHIEVEMENTS:

Event	Details	Faculty Name	Duration	University/Institute
FDP	Faculty Orientation Programme	Ms. Ramitha Rajesh	14-Sep-2020 to 16-Sep-2020	RSET
Coursera	Matrix Algebra for Engineers	Ms. Shyama Sreekumar	9 <sup>th</sup> Sep to 7 <sup>th</sup> Oct 2020	Coursera
FDP	Role of IoT and Wireless Sensor Network in Knowledge Engineering	Mr. Dhanesh M.S.	14 <sup>th</sup> to 19 <sup>th</sup> Sep 2020	Atria Institute of Technology, Bengaluru, IEEE
	Microsystems Design and Control Engineering		17 <sup>th</sup> to 20 <sup>th</sup> Sep 2020	Saintgits College of Engineering, Kottayam ISTE
International Webinar	Nanoscience and Technology	Ms. Deepthy G.S.	16 <sup>th</sup> to 18 <sup>th</sup> Sep 2020	Department of Basic Science & Humanities, RSET
STTP	Deep Learning & its application using Tensor Flow & Keras	Mr. Naveen N.	5 <sup>th</sup> to 11 <sup>th</sup> Sep 2020	RMK Engineering College
Workshop	Zumba Fitness	Ms. Mariya Vincent	26 <sup>th</sup> Sep 2020	RSET

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## TECHNICAL STAFF TRAINING:

S/no	Program	Duration	Organised by	Venue
<b>Initiated</b>				
1	Python	7 <sup>th</sup> to 9 <sup>th</sup> Sep 2020, 11 <sup>th</sup> Sep, 15 <sup>th</sup> Aug, 23 <sup>rd</sup> Sep 28 <sup>th</sup> , Sep 2020	Mr. Ginjith John	ARC
2	Python	6 <sup>th</sup> to 7 <sup>th</sup> Oct 2020, 12 <sup>th</sup> Oct 15 <sup>th</sup> 2020	Mr. Ginjith John	ARC
3	Eagle	Planned on 14 <sup>th</sup> Oct 2020	Mr. Shaibu Kurian	ARC

## RESEARCH GROUP ACTIVITIES:

Research group	Programs	Duration	Organised by
VLSI & Embedded systems	Training on Tinker CAD for Faculty Members & Technical Staff	3 days	Dr. Jobin K Antony, Mr. Anoop Thomas, Mr. Bonifus P L, Mr. Nitheesh Kurian
	Live student projects		Silzium Pvt. Ltd
Communication	<p><b>Activities planned:</b> To conduct short term course on</p> <ul style="list-style-type: none"> <li>• Fundamentals of Antenna Design using Ansys HFSS tool</li> <li>• Fundamentals of Communication Engineering using MATLAB &amp; Labview</li> <li>• Demonstration of Communication Engineering Concepts using NI Universal Software Radio Peripheral (USRP) device</li> </ul>		
Signal Processing	<p><b>Meeting highlights:</b></p> <ul style="list-style-type: none"> <li>• Faculties to utilize Industrial funding, that is available for Ph.D. or post-doctoral studies</li> <li>• Faculties can utilize travel grants</li> <li>• Summer school programs to be conducted</li> <li>• More placements to be given to students; staffs to utilize their contacts</li> <li>• Students to be motivated to write GATE exam</li> </ul>		

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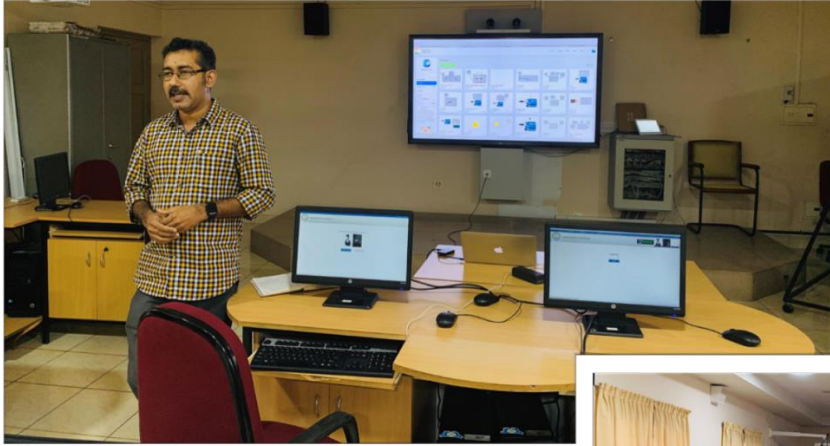
## PLACEMENT ACTIVITIES CONDUCTED:

Session	Topics covered	Handled by	Date
1	Coding	Ms. Akhila Susan, Ms. Aleena Rose	20 <sup>th</sup> Sept 2020
2	Coding	Mr. Amal George	
3	Cryptarithmic , Cubes	Ms. Bhavana Krishna	
4	Calender , Permutation.	Ms. Alisha N A	

## *Training on Tinker CAD for Faculty Members & Technical Staff :*



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## *Training on Python for Faculty Members & Technical Staff :*

