

## Achievements 2018 – 2019

### Faculty Achievements

Asst. Prof. Dhanya R secured First position in Three Minute Thesis (3MT) competition for the thesis titled “The Doppler Magic of Chasing the Weather”. It was presented during Inter National Symposium on Antennas and Propagation (APSYM'18) December 2018 organized by Department of Electronics, CUSAT



Ms. Georgina Binoy Joseph, Assoc. Professor, has been awarded Ph.D. from Hindustan Institute of Technology and Science, Chennai for the thesis entitled "Architectures for Online Processing in Reconfigurable Computing".

### Student Achievements

#### Achievements in Curricular Activities.

Department of ECE is pleased to present the recent curricular achievements of our students.

#### IEEE THREE MINUTE PROJECT THESIS COMPETITION

Three of our project batches from S8 ECE were invited to make their project presentation in an IEEE THREE MINUTE PROJECT THESIS COMPETITION held at Indian Institute of Science & Technology (IIST) Trivandrum on 2nd March 2019

Nisha Mary Philip, S8 ECE, secured Third prize for the project titled "Pipe – Bot".

The other two batches presented their papers and were awarded Participation Certificates.

- Amith Jyothi, Abhijith Suni kumar, Krishnaraj & Albin Shaju ,S8 ECE for project titled " **Wearable airbag for elder people**"
- P R Arjun Raj, Vishnupriya C Sunil ,S8 ECE, for the project titled " **Design and development of fully automated agricultural Robot**"
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### **Chirographum- All Kerala Technical Paper Presentation**



**S8 ECE** students Scilla Anna John, Nanditha Varma, Saranya K Varma and Sneha James were awarded **Second prize** for their Paper titled ” **Palm vein authentication system**” in the **Chirographum- All Kerala Technical Paper Presentation** held at **Christ College of Engineering , Irinjalakuda** on **22nd February 2019**

### **KETCON- KTU LEVEL PROJECT PRESENTATION**



Out of nearly 1000 participants, two project batches from our department were selected to present their projects and Received Participation Certificates in the **KETCON- KTU LEVEL PROJECT PRESENTATION** at **Govt. Engineering College, Thrissur** on **16th February 2019**.

Project Title	Students Participated	Class
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Project Title	Students Participated	Class
Automated Coconut Plucker	Nikhil C N Tapan J	S8 ECE
Palm vein authentication system for monitoring attendance in rural area	Scilla Anna John Nanditha Varma Saranya K Varma Sneha James	S8 ECE

### **India Innovation Challenge Design Contest 2018**

The **Department of Electronics and Communication Engineering** is proud to announce that our team, **Tistalpha**, is one among the teams selected out of 10,146 proposals to move to the quarterfinal stage.

#### **Tistalpha Team Members**

1. Ashmin Antony, Semester 5, ECE
2. Allen Carvallo, Semester 5, ECE
3. Anoop Antony, Semester 5, ECE

Faculty Mentor: Dr Georgina Binoy Joseph, Associate Professor, ECE



Ashmin Antony





Allen Carvalho



Anoop Antony

India Innovation Challenge Design Contest 2018 is conducted by Texas Instruments in collaboration with Department of Science and Technology (DST), anchored by NSRCEL, Indian Institute of Management, Bangalore (IIMB) and supported by MyGov. IICDC is a unique platform that not only focuses on engineering skills but also places equal weightage on practical business solutions.

The 2018 edition of IICDC saw 26,511 students from 1,760 colleges submitting 10,146 ideas. 4027 teams moved on to the 'Qualifying Phase'. These teams underwent a Massive Open Online Course (MOOC) from IIM-B and technical courses from TI. Teams also had to submit a detailed business and technical proposal on the MyGov platform which were evaluated by 43 panelists. The evaluators consisted of a mix of mentors from IIM-B, NSRCEL as well as top management from start-ups, which included Co-founders, Directors, CEOs and mentors. Teams were evaluated based on their quality of proposal and knowledge assessment scores. 346 teams of IICDC 2018 were shortlisted who will be moving ahead to the Quarterfinals Round.

### IICDC 2018 – Qualifying Round Results (Sorted by Team ID)

Submission ID	College Name	Project Title
392232	Indian Institute of technology, Mumbai #42609	IoT Based Pocket Assistant To Quit Smoking
392369	Toc H Institute of Science & Technology, Arakkunnam	Domestic LPG Management System
392435	National Institute of Technology Raipur	Solar Chulha

<https://blog.mygov.in/iicdc2018-qualifier-results-and-an-introduction-to-the-evaluation-panel/>

### CERD FUNDED STUDENT PROJECT

The Department is proud to announce that our student project “**Portable Malaria Rapid Diagnostic Device (PMRDD)**” has been selected by **APJ KTU – Centre for Engineering Research and Development (CERD)** for financial assistance. **Sanctioned Funding Amount – Rs 32,500**

**Principal Investigator :** Dr. Georgina Binoy Joseph

**Co-Investigator :** Dr. Deepa Elizabeth George

**Student investigators :**

1. Naveen M
2. Sachithananda Pai V.G.
3. Saurav B
4. Sreehari Jayaraj

(ECE, 2015-2019 batch)



Sachithananda Pai



Sreehari Jayaraj



Naveen M



Saurav B

### **Achievements in Co-Curricular Activities**





Department congratulates Mr.Ajay Philip,S5 ECE, who has reached top 50 among 1700 participants and 300 plus teams in the National level Hackathon organized by IEEE. Their team has also received Internship offer from IBM.

### Research & Developmental Activities

Name of the faculty	Project/FDP/STTP	Project Type Research/Consultancy	Funding Agency
Dr. Georgina Binoy Joseph (Principal Investigator) &Dr.DeepaElizabeth George (Co-Investigator)	Portable Malaria Rapid Diagnostic Device (PMRDD)	Funded student project	APJ KTU – Centre for Engineering Research and Development (CERD)
Dr.Georgina Binoy Joseph	LPG Mithram	Funded student project	IEDC