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# ECE NEWS

Department of Electronics & Communication Engineering  
Jyothi Engineering College, Cheruthuruthy, Thrissur - 679531



## Vision

Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.

## Mission

- Provide theoretical and practical knowledge through quality education and life skills training to make competent graduates with social commitment.
- To impart entrepreneurial orientation and research motivation among the students through knowledge transfer with industrial, academic & research institutions.

## DEPARTMENT ACTIVITIES & ACHIEVEMENTS

### ❖ ECSA ACTIVITIES

- Electronics and Communications Students Association activities of 2015-16 was inaugurated on 16/09/2015 by Mr. Arun Thomas Kochu, Engineer, Power Train Plant Modeling & Software Development, Mercedes- Benz Research & Development India, Bangalore, who is also Alumni of Jyothi Engineering College(2006-2010 Batch ECE)
- ECSA organized software training session on LTSPICE for S3 ECE B students in VLSI Lab on 15/10/15

### ❖ PLACEMENT

Mr. Vishnu K, Mr. Venugopal K & Ms. Suraja P Joy of S7 ECE got placed in **Infosys Ltd**, through the on-campus recruitment drive conducted by the Placement Cell, JECC on 28/10/15 & 29/10/15.



Mr. Vishnu K



Mr. Venugopal K



Ms. Suraja P Joy

### ❖ STARTUP INITIATIVE BY STUDENTS @ EDC- TBI, JECC

A Start Up initiative named SPATEZ Technology LLP lead by Mr. Edwin Andrews (CEO) of S7 ECE was selected for incubation through the Entrepreneurship Development Cell (EDC) of JECC in collaboration with the Technology Business Incubator (TBI) of Technopark, Trivandrum and was inaugurated on 20/11/2015 by Rev. Fr. Jose Punnolippambal. SPATEZ Technology LLP is a business group with 10 employees and currently concentrating in development of Gadgets.



Inauguration of SPATEZ Technologies LLP by Rev. Fr. Jose Punnolippambal (Exec. Manager, JECC).

## STAFF ACTIVITIES & ACHIEVEMENTS

### ❖ WORKSHOP ON MATLAB

Ms. Bindhu K Rajan conducted MATLAB workshop as part of the Add on Courses conducted at JECC as the co curricular activity programme in the month of October.



Ms. Bindhu K Rajan

### ❖ MASSIVE OPEN ONLINE COURSE (MOOC) CERTIFICATION

Mr. Abin Johns Raju achieved the MOOC Certification for the Course on “System View of Communication” from Hong Kong University of Science and Technology.



Mr. Abin Johns Raju

## STUDENTS' ACTIVITIES AND ACHIEVEMENTS

1. Mr. Steve Thomas of S5 ECE B got selected for 2<sup>nd</sup> round of quiz competition conducted by IEEE students branch, JECC on 05/10/15



Mr. Steve Thomas

### STUDENTS SELECTED FOR MICROSOFT STUDENT PARTNER INDIA PROGRAM 2015-16

Mr. Ensun M P and Ms. Anitha P of S5, ECE-A are among the 9 selected students from Jyothi Engineering College, Cheruthuruthy for the Microsoft Student Partner India Program 2015-16.



Mr. Ensun M P



Ms. Anitha P

### ❖ PARTICIPATION IN INTERNAL EVENTS

1. 39 Students of S3, S5 and S7 ECE classes participated in workshop on “Raspberry Pi- Python” organized by IEEE students branch JECC on 07/08/15 and 08/08/15
2. IEEE Student members of S1, S3, S5 and S7 ECE classes participated in IEEE Quiz competition conducted on 09/10/15 at JECC. Ms. Arya C of S1 ECA got the first prize.
3. 30 Students of S3, S5 and S7 ECE classes participated in ISTE in association with ECSA sponsored workshop on “Python with Raspberry Pi” on 22/09/15-23/09/15
4. Selected students of S3, S5 and S7 ECE participated in interactive session by Mr. Madhavan Ramakrishnan, held as part of EDC, JECC inauguration on 23/09/2015.
5. Selected students of S3, S5 and S7 ECE participated in one day event on “MICROSOFT AZURE WORKSHOP” organized by Entrepreneur Development Cell, JECC on 28/09/2015.

### ❖ INTERNSHIP / INDUSTRIAL VISITS / EDUCATION TOUR

1. 9 Students of S5-ECE A underwent 5 days Internship from Hykon India Pvt. Ltd, Thrissur from 24/08/2015 to 31/08/2015
2. 58 Students of S7 ECE accompanied by two staff members and parents visited VWF Pvt Ltd, Bulb Filament Manufacturing Unit, Mysore and ACE Electronics Ltd, Mysore on 28/09/2015 as part of their 7 days tour from 24/09/15- 30/09/15
3. 57 Students of S3 EC-A along with two staff members and parents completed industrial visit to SEDICOM Pvt Ltd. small scale capacitor manufacturing unit, Shornur and Aakashavaani Radio Broadcast station, Thrissur on 21/09/2015 as part of their 3 days tour from 21/09/15-23/09/15.
4. 47 Students of S3 ECB along with two staff members and parents completed industrial visit to Aakashavaani Radio Broadcast station, Thrissur and Kerala Electricals & Allied Engineering Ltd Kanjikkode, Palakkad on 08/10/15 as part of their 3 days tour from 08/10/15-10/10/15.
5. A study tour to Mangalore, Coorg, Bangalore for S7 AEI students was conducted from 27<sup>th</sup> September to 04/10/2015. As a part of educational tour 23 students visited CFRI, Bangalore, VRS Industries, Bangalore, along with two faculty members Mr. Ponmani Raja M., Ms. Neethu Rose Thomas and two parents.

### ❖ SKILL DEVELOPMENT TRAINING

1. 43 Students of S5 ECE A participated in three days residential training programme on Soft Skill Talent development from 08/10/2015-11/10/2015 at St. Marthoma Church Centre, Azheekode.
2. 53 Students of S3 ECE participated in three days residential training programme on Soft Skill Talent development from 18/09/2015-20/09/2015 at CSR, Pariyaram, Chalakkudy.

**Programme Educational Objectives (PEOs)**

- I. Graduates shall have fundamental and advanced knowledge in electronics and communication engineering along with knowledge in mathematics, science and computing and get employed in national or international organizations or government agencies.
- II. Graduates shall have ability in analyzing, designing and creating innovative solutions which lead to a lifelong learning process or higher qualification, making them experts in their profession thus helping to solve electronics & communication engineering and social problems.
- III. Graduates shall have good organizing capability, presentation skills, communicating ability, leadership, team work and ethical practices.

**Programme Outcomes (POs)**

The Program Outcomes of Under-Graduate programs in Electronics & Communication Engineering are:

Students will have

- (a) Ability to apply knowledge of mathematics, science and engineering in the field of Electronics & Communication engineering.
- (b) Ability to design and conduct experiments, analyze and interpret data and results in Electronics & Communication engineering.
- (c) Ability to design Electronics & Communication systems, components, or processes to meet the desired needs within realistic constraints such as health and safety, manufacturability and sustainability with economic, environmental, social, political and ethical considerations.
- (d) Ability to work individually as well as in multidisciplinary teams as a member or as a leader to accomplish the common goal.
- (e) Ability to identify, analyze, formulate, and solve engineering problems
- (f) Knowledge of professional and ethical responsibility.
- (g) Ability to communicate effectively in both verbal and written form in any area of their field to the industry, and society.
- (h) Broad knowledge necessary to understand the impact of engineering solutions on individuals, organizations and society.
- (i) Ability to engage in life-long learning to update their knowledge to keep pace with changes caused by dynamic nature of engineering field.
- (j) Awareness of the contemporary issues that help to integrate advanced and sustainable solutions in the user environment.
- (k) Ability to use the techniques, skills, and modern engineering tools, software and equipment necessary for designing, developing electronic systems.