

## ENTREPRENEURSHIP DEVELOPMENT CELL:

Funded Workshops  
Conducted:

An "Entrepreneurship  
Awareness Camp" jointly  
sponsored by Department of  
Science and Technology-  
National Implementing and  
Monitoring Agency for  
Training (DST- NIMAT)  
New Delhi.



**E-AXION '18**



**STAY HUNGRY ; STAY FOOLISH**

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# St. JOSEPH'S INSTITUTE OF TECHNOLOGY

Old Mamallapuram Road, Semmancheri, Chennai, Tamil Nadu 600119

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

## SPARKZ

Newsletter

Volume-5, Jun2018-Dec2018



**Dr. C. GNANA  
KOUSALYA, M.E., Ph.D.**  
PROFESSOR & HOD



**Dr. G. Rohini, M.E., Ph.D.**  
PROFESSOR & HOD

### Vision:

To come forth as an eminent department in the field of electronics and communication engineering, research for providing ethical resource persons to serve the industry and society with technical excellence.



### Mission:

The department strives

- To provide the best resources in teaching, learning and other educational activities which will train the student to attain his or her fullest potential in the field of Electronics and Communication Engineering.
- To inculcate technical knowledge, leadership qualities, team work and ethical practices in students so as to meet the expectations of the industry as well as the society.
- To organize exclusive courses, conferences, seminars on the current technological developments which will be an added benefit for bringing out the various talents in the students and faculties.
- To sustain connectivity with industries to get on par with the recent technologies and research.
- To foster career improvement through placements, higher education and entrepreneur skills by continuous training and guidance.

## HOD'S DESK:

The newsletter is a platform for sharing educational information, activities and events related to the Department. We are pleased to share some of the exciting news in the Department of Electronics and Communication Engineering over the past semester. It aims to inculcate values of basic knowledge of Engineering, science, computer, mathematical, techniques of communication skill & management which will imbibe the ability to apply the basic problem solving techniques. This is a platform to share information also you can participate by sharing your thoughts on the Departmental activities or by contributing information on the events that had been organized.

## Nokia Chennai Technology Day 2018

The following team shortlisted for the Finalist in prototype Presentation -2018

### Team Members:

1. Gowtham V,
2. Arun Kumar G
3. Danny Solomon N
4. Enoch Ribin C

### Project category: Prototype

**Topics: IOT Platform for Industrial Use Case Project name: Wip Tracking through RFID**  
**Project Abstract:**

Work-in-Process describes the materials that have entered into the production process and their status in the different stages of completion. By tracking WIP, the production process can be optimized by reducing production time, costs, storage space, investment, etc. WIP (Work-in- Process) can be tracked during production using RFID (Radio Frequency Identification).



## IEEE CHAPTER ACTIVITIES

### 1.Smart Applications using IoT - Node MCU

The IEEE SJIT student chapter organized a Two days workshop on Smart Applications using IoT - Node. This Program mainly provided the Programming & Hands on Sessions, taking into view on the Practical Implementation of the IoT Concepts in Real Time Application Scenarios using Node MCU (In built Wi-Fi). This workshop is mainly create the awareness on IOT by giving Hands-on experience of building an IOT application. The workshop provided the training in Node MCU (Inbuilt Wi-Fi) development kit, Android Application development using MIT App Inventor, Arduino Programming, and Adafruit IO & IFTTT concepts. Totally 35 students benefited from the different colleges of south India.



### 2.DRONE DESIGN

The main goal of this workshop was to give a glimpse of drone designing and its working. The workshop encouraged the students to start from scratch in drone basics. The drone designing and its mode of operation were taught from basics. The students were engaged in Hands-on-session throughout the day and got to fly their drone under the supervision of the trainers. This encouraged and boosted confidence to every student to build their own Drone and to participate in National level Drone competitions.

Resource Person details:

Mr.Karthikeyan- Technical Trainer & Mr. Ravi- Professional flyer.



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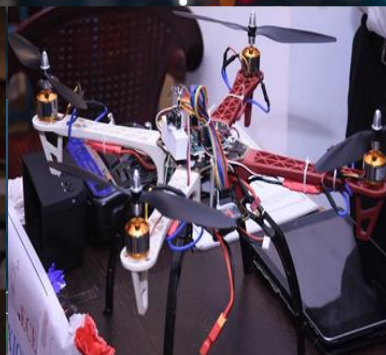
PROJECTS

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RANK HOLDER

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INAE AWARDS



## INDUSTRIAL VISIT

CLASS	INDUSTRY
ECE II A ECE II B	TVS PVT LTD, HOSUR
ECE III A ECE III B ECE III C	BHARATH HEAVY ELECTRONICS LIMITED , BANGALORE
ECE IV A ECE IV B ECE IV C	NORTH CHENNAI THERMAL POWER PLANT ENNORE

## NGO VISIT

CLASS	ORGANISATION
ECE I A ECE I B ECE I C	KARUNAI ILLAM (PALAVAKKAM)
ECE II A ECE II B	ANBU ILLAM (KELABAKKAM)
ECE III A ECE III B ECE III C	KAKUM KARANGAL (PERAMBUR)

## Guest Lectures

1.Guest Lecture is a way of enriching our students with the latest updates about the rapidly developing technologies by **Mr.E.Arunkumar Managing Director, RETECH Solutions in Emerging Trends in IOT for II Year students and faculties on 12/07/18.**

2. Guest Lecture is a way of enriching our students with the latest updates about the rapidly developing technologies by **Mr.M.KishoreAbishek Manager, ICT Academy in Basics concept in Robotics for II Year students and faculties on 12/08/18.**

3. Guest Lecture is a way of enriching our students with the latest updates about the rapidly developing technologies by **Mr.I.Nelson Naveen Managing Director, NELSON RESEARCH in Artificial Intelligence for III Year students and faculties on 12/07/18.**

## ELECTRONICS & ROBOTICS CLUB

S.NO	NAME OF STUDENTS	YEAR & SECTION	NAME OF THE EVENTS	PLACE WON
1.	ALICE VINOLIA	III ECE A	POSTER PRESENTATION	I
	ESTHER PERTISHIYA.C	III ECE A		
	JANAKI.R	III ECE B		
2.	SUBHASH.R	II ECE-B		II
3.	SHANU SWETHA.J	III ECE C		III
	KEERTHANA.S	III ECE B		
	KEZIA.S	III ECE B		

## Entrepreneurship Development Cell 2018-19

The Entrepreneurship Development Cell (EDC) is created with an intention of nurturing entrepreneurship skills of the students. The cell provides a strong platform to pursue entrepreneuractivities for budding entrepreneurs by organizing entrepreneurship motivation camps, entrepreneurship awareness camps, and entrepreneurship development programmes. The EDC of the College has collaborated with the Entrepreneurship Development Institute of Tamil Nadu, to enhance entrepreneurial skills among the students and to provide the right orientation, training and counseling for the students

### Funded Workshops Conducted:

An “**Entrepreneurship Awareness Camp**” jointly sponsored by **Department of Science and Technology- National Implementing and Monitoring Agency for Training (DST-NIMAT) New Delhi; Entrepreneurship Development Institute of India, Ahmadabad (EDI);and National Science & Technology Entrepreneurship Development Board (NSTEDB) New Delhi; was conducted from 4th to 6th September 2018.** Around 80 students participated in the awareness camp which consisted of a series of guest lectures and Industrial visits.