

We Make You Shine

# St. JOSEPH'S INSTITUTE OF TECHNOLOGY

St. JOSEPH'S GROUP OF INSTITUTIONS

OMR, Chennai - 600119



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BROCHURE 2019-2020



International Student's Achievements



International Distinguished Lecture



Students Funding Projects



INAE Awards



Students Publications



MoUs



Mini Projects



Student Chapters



Student Achievers (2018-2019)



Placements Offers (2019-2020)



University Ranks



Best IEEE EMBS Student Chapter Award in Asia Pacific



# Scope of the Department

## What is ECE?

- ECE is the utilization of science and mathematics applied to practical problems in the field of Electronics & Communication.
- It involves researching, designing, developing and testing of electronic equipment used in various systems.
- Electronics is the technology associated with electronic circuits and systems, and is one of the major fields that come under electrical engineering.
- Integrating Electronics and Communication into any system developed is the role of an ECE engineer.

## Why ECE?

### Major Areas of ECE

- Analog and Radio Frequency Circuits
- Communication & Signal Processing
- Computer & Digital Systems
- Networking
- Image Processing
- Optical Communication
- Robotics
- VLSI Design
- Wireless Communication
- Antenna and Wave Propagation
- Transmission Lines

### Top Recruiters

- Siemens
  - Qualcomm
  - Texas Instruments
  - ISRO
  - DRDO
  - Soliton
  - Valuelabs
  - Paypal
  - Honeywell
  - BSNL
  - Adobe Systems
- Salary Package : 3 Lakh to 25 Lakh (For Freshers)**

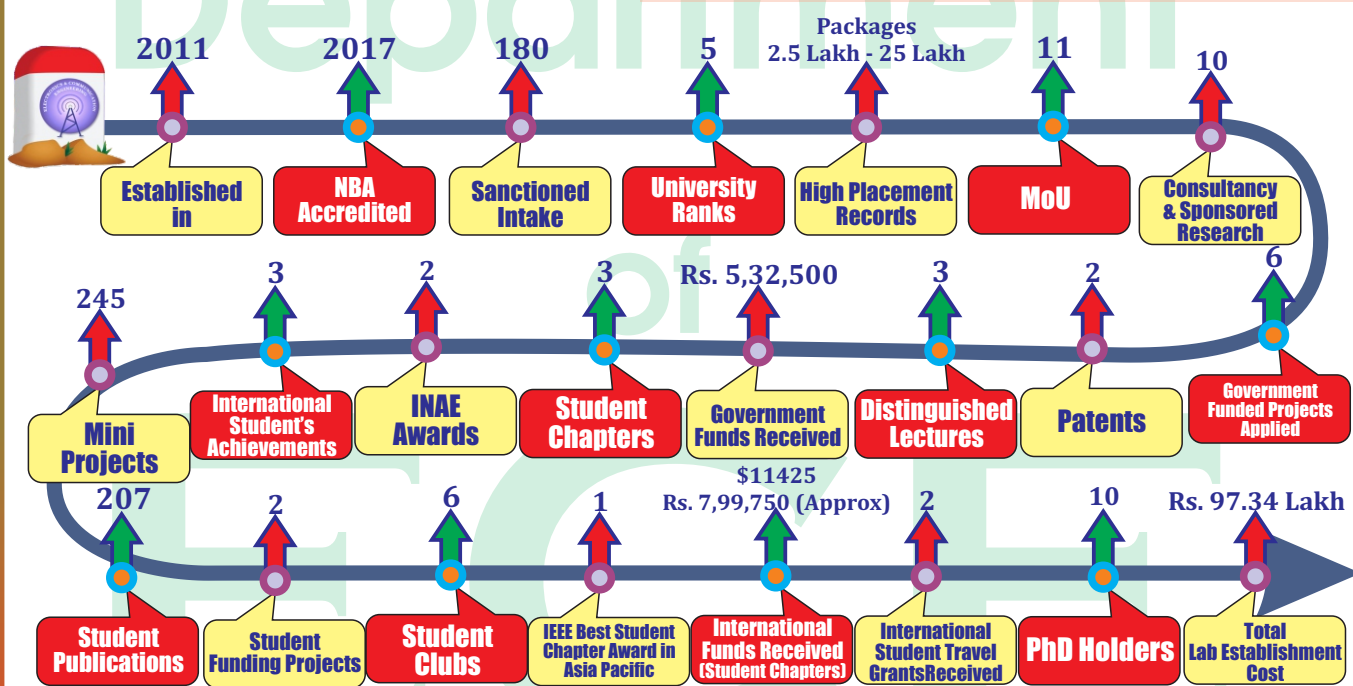
## DEPARTMENT HIGHLIGHTS

### 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

- 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 & guidance.



# Anna University Rank Holders

All the Rank Holders are honoured with a Cash Prize of Rs. 25,000/- & Shields.

## Batch (2013-2017)



**42<sup>nd</sup> Rank**  
(8.87 CGPA)  
Cash Prize : Rs. 25,000  
**Deepa M**  
D/O. Mr. V. Muniappan  
Mrs. M. Ramalakshmi



**42<sup>nd</sup> Rank**  
(8.87 CGPA)  
Cash Prize : Rs. 25,000  
**Snigdha K**  
D/O. Mr. K.M. Rao  
Mrs. Honey Vedula



## Batch (2014-2018)




**18<sup>th</sup> Rank**  
(9.04 CGPA)  
Cash Prize : Rs. 25,000  
**Neeraja C**  
D/O. Mr. B. Chidambaram Pilai  
Mrs. N. Sithambara Chithra



**26<sup>th</sup> Rank**  
(8.96 CGPA)  
Cash Prize : Rs. 25,000  
**Preethi J**  
D/O. Mr. R. Jayagopal  
Mrs. J. Vasanthi



**41<sup>st</sup> Rank**  
(8.81 CGPA)  
Cash Prize : Rs. 25,000  
**Sandhiya A**  
D/O. Mr. P. Arivazhagan  
Mrs. P. Chandra

## Trust Awardees

The Trust has constituted awards to the topper in each branch.

Name of the Award	Name of the student	Batch
Dr. MGR Award	M. Monica	2015-2019
	C.Neeraja	2014-2018
	1.Deepa M 2.Snigdha K	2013-2017
	P.Indhu	2012-2016
	P. Shanmugapriyan	2011-2015

# Placement News (2019-2020)

## Activities

- Communication skill Enhancement
- Aptitude Crash Course
- BEC Training
- Department Specific Value Added Course
- AMCAT Co Cubes Online Assessment
- Training & Virtual Learning
- Placement Orientation Program
- CODE Fit Training

## Placement Count

S.No	OFFERS	COUNT
1.	Total number of Students placed	69
2.	Total number of offers	106
3.	Total number of students with 5 offers	02
4.	Total number Of students with 4 offers	02
5.	Total number Of students with 3 offers	06
6.	Total number Of students with 2 offers	11
7.	Total number Of students with 1 offer	48

## Company Details

Annual Salary Package  
2.5 Lakh to 25 Lakh

- ❖ COGNIZANT=30
- ❖ INFOSYS=27
- ❖ TCS NINJA=15
- ❖ MPHASIS=7
- ❖ MINDTREE=4
- ❖ WHIRLDATA LABS=3
- ❖ CGI SOFTWARE=2
- ❖ ZOOMRX=2
- ❖ ODYSSEY=2
- ❖ SKILL LYNK=2
- ❖ PAYPAL=1
- ❖ SOLITON=1
- ❖ VALUE LABS=1
- ❖ VESTAS=1
- ❖ TCS DIGITAL=1
- ❖ WIPRO=1
- ❖ AVASOFT=1
- ❖ HCL TECH=1
- ❖ HP ENT=1
- ❖ HEXWARE=1

**TOP PLACEMENT OFFERS**



**V. GOWTHAM**  
PAYPAL - 25 Lakhs  
TCS DIGITAL - 7.2 Lakh  
SOLITON - 5 Lakh  
COGNIZANT - 4 Lakh  
INFOSYS - 3.6 Lakh



**ARUNA KRISHNAN**  
ZOOMRX - 5.5 Lakh  
COGNIZANT - 4 Lakh  
INFOSYS - 3.6 Lakh  
TCS NINJA - 3.6 Lakh  
WIPRO - 3.4 Lakh

5 OFFERS

4 OFFERS



**DANNY SOLOMON**  
HP ENT - 5 Lakh  
COGNIZANT - 4 Lakh  
INFOSYS - 3.6 Lakh  
TCS NINJA - 3.6 Lakh



**MAYA MISHRA**  
VALUELABS - 4.5 Lakh  
COGNIZANT - 4 Lakh  
INFOSYS - 3.6 Lakh  
TCS NINJA - 3.6 Lakh

## Higher Studies & Business English Course (BEC)

	Abroad	India
Students Count	14	32

Our student Julyan Patrik (2015-2019 batch) studying at Gannon University (US) during Manufacturing Day 2019.



The Business English Certificate (BEC), a certification from Cambridge University is a qualification in English for work. It is given under three levels - Preliminary, Vantage and Higher. All the second year students are given BEC training for a week and then they take the BEC examination, conducted by the Cambridge University in our campus. For the past six years, our college is the best preparatory center and this year we have been awarded as the "South Asia's Best 25 preparation center" by the Cambridge University Apart from this many students are pursuing higher studies in India also.

Our students are studying in premier institutions around the globe to name a few Karlsruhe Institute of Technology Germany, San Diego State University, Gannon University Pennsylvania, North Eastern University Boston, Riga Technical University Latvia, La Trobe University Australia, German Institute of Science and Technology etc., and other premier institutions in India.

# Special Achievements

## (INAE)- Innovative Student Project Award

S. No.	Name of the Student	Name of the Project	Award	Company Name	Prize Amount
1.	K. Priyanka S. Nivetha (2013-2017)	Fool proof centralized voting machine using automation system	Innovative Student Project Award	The Indian National Academy of Engineering (INAE)	Rs.10,000
2.	Godlin Sneha E GloriyaSeelan G (2018-2022)	Smart Bag	Youth Conclave	The Indian National Academy of Engineering (INAE)	Rs.15,000



## Best Poster Award



Name: Ms. Santhoshi Gayathri T (IV ECE - C)  
 Event: Best Poster Award  
 Title: Photonic generation of triangular shaped microwave pulses using polarization property  
 Venue: Doctoral Summer School on Nanophotonics and Metamaterials, ITMO University, Russia  
 Date: 28/05/2018 - 01/06/ 2018.

## Student Project Funding – IEEE

Yasar Ahamed S & Rahul Ram V from IV ECE  
 Received a Project Funding of Rs.10,000/- from IEEE Student Project Funding, IEEE Madras Section for the project titled "Smart kitchen with inventory managing and monitoring using IOT" on 21.04.2018



Smart Kitchen with inventory monitoring and management using IoT

## DEPARTMENT CLUB (ELECTRONICS & ROBOTICS CLUB)

Electronics club is the student run organization that strives to impart enthusiasm and passion for electronics and allied fields among students of ECE. The club aims to cater to the various needs that are primal to be addressed to keep in pace with the ever evolving field of electronics. Events like Technical Quiz, Robot War, Poster Presentation, Tech Bug etc are conducted and the winners are felicitated.



## DISTINGUISHED LECTURE PROGRAMS

It was an honour to have **Dr.Marius George Linguraru, Principal Investigator, Children's National Medical Center, Washington DC, USA** as the speaker for the Distinguished Lecture Program organised by the **IEEE EMBS Student Chapter, St. Joseph's Institute of Technology**. The event happened on **3<sup>rd</sup> December 2018**, where students from various chapters and faculty were immensely benefitted through the words of knowledge.



The **IEEE WIE One Day National Meet with Distinguished Lecture** was conducted on **31 st August 2019**. **Mrs.Emi Yano,IEEE Region -10 (Asia Pacific) Women in Engineering Chair, Japan**, was the Chief Guest. **Dr.Vydeki ,Chair ,Madras IEEE WIE** also accompanied the guest. She gave the students a brief presentation on her journey and the opportunities available in IEEE especially for Women. Participants were from colleges around the country.



The **IEEE Photonics Society (PS) Distinguished Lecture's Talk On Photonics for Broadband Microwave Measurement** was conducted on **19th December 2019**. The eminent guest for the day was **Dr. Shilong Pan Professor, Nanjing University of Aeronautics and Astronautics Director, Institute of Optoelectronic Engineering, NUA,China**. Academic experts from IIT Madras also joined us for the session and had brainstorming.



## PROTOSTORM

One day national Level **"Proto Storm 2019"** project expo organized by St.Joseph's Institute of Technology, **Department of ECE** in association with **IEEE EMBS Madras chapter** on 3rd April 2019 ,Mr.Sathish Ramachandran,Co-Founder, AROBOTS, Chennai inaugurated the project expo.



## Intelligent Automotive Vehicle-MOVITTA

The IEEE RAS & Department of ECE St.Joseph's Institute of Technology, Chennai-119 organized a Technical meet on "Intelligent Automotive Vehicle" on 1.04.2017-by



**Dr.Dillip Limbu ,Mr.Derrick Loh MooVita Pvt Ltd, Singapore & K Swaminathan, CEO & Founder, Arobot, Chennai.** The speech elaborated about the features of Intelligent automation vehicle designing, manufacturing difficulty, possibilities of getting project from various agencies like DRDO,DSR,IEEE RAS. IEEE members and 29 faculty members attended the seminar

## BEST REGIONAL CHAPTER AWARD



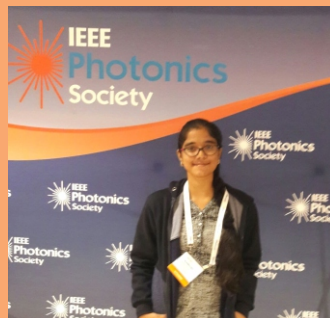
### 2019 OUTSTANDING EMBS REGIONAL STUDENT CHAPTER OR CLUB AWARD WINNERS

Asia Pacific	• IEEE- EMBS St. Joseph's Student Branch
Latin America	• PUC Peru IEEE Student Branch
Middle East and Africa	• EMBS Hashemite University Student Branch
North America	• Carleton University EMB Student Club
Europe	• IEEEe NTUA EMB Chapter

IEEE EMBS Student chapter received the award for the **best regional IEEE EMBS Student Chapter in Asia Pacific**. As the regional winner, the chapter will receive a plaque and an honorarium of **300 USD** for conduction of chapter activities. In addition, the chapter will also be considered for the global best chapter award in IEEE.

## TRAVEL GRANT

**Name: Ms. Santhoshi Gayathri T (2015-2019)**  
**Travel Grant Amount : \$2000 (Rs. 1,67,000/-)**  
**Agency : IEEE Photonics Society**  
**Purpose: IEEE Photonic Conference at Orland, Florida, U.S**  
**Date: 1/10/2017 to 5/10/2017**



**Name: Ms. Mira Ganesh (2017-2021)**  
**Travel Grant Amount : \$2500 (Rs. 1,99,950/-)**  
**Agency : IEEE Photonics Society**  
**Purpose: IEEE Photonics Conference IPC 2019, San Antonio, TX USA**  
**Date: 29/9/2019 to 3/10/2019**



## L&T Techgium

**Mr. M. Christen , Finalist in Techgium 2018** challenged 9000+ students from 220 Colleges to create real world engineering solutions for industries across the world, on the successful demonstration of the proof of concept on "Multi-View Point GPU Accelerated Offline Object Tracking" Organized by L & T Technology Services Ltd.

## Student Conference Participation in NIT

**Ms. Mira Ganesh and Mr. R. Subash** presented papers titled New Modelisation of Silicon DWDM demux, AND Gate for wavelengths in C and L bands and Smart Automated Energy Meter respectively in ET2ECN 2020, International Conference held at Sardar Vallabhbhai National Institute of Technology, (NIT) Surat, Gujarat, India during 7th & 8th February 2020.



**SPECIAL AWARDS**

Sl. No	Student Name	Achievement	Awarding Agency
1	Yasar Ahmed S (2014-2018)	Ranked 1014 out of 50000 in IEEE extreme worldwide competition	IEEE
2	Santhoshi Gayathri T (2015-2019)	Professional Achiever Award 2017	IEEE Madras Section
3	Ganapathy T (2015-2019)	Topped in "New India Student Championship 2018" - the largest Learnathon	ICTACT
4	Esther Petrishiya (2016-2020)	Think Nano Program	IISc Bangalore
5	Kannika M, Gowdhami T U, Deepika R S (2016-2020)	Finalist  Bronze Medal (\$250)	L&T Technologies
6	Gowthami (2016-2020)		Texas Instruments
7	Petrishiya C (2016-2020)		
8	Aruna Krishanan (2016-2020)	First Prize (\$100)	Idea Pitch (VIT)
9	Subash S, Dharani V, Cassandra (2017-2021)		
<b>2019-2020</b>			
10	Casandra Fernando, Dharani V, Subhash R Shiva Santhosh A (2017-2021)	Third Place in YESIST12 – International Project Competition at "VITCC SB Women in Engineering"	VIT Chennai
11	Harchana S, Jeyalalitha K H, Rishika Srivastava, Rohini H (2018-2022)	Finalist in "The Big Idea Competition"	Cognizant, Chennai.
12	WasimAkram N, Vikramchandran B, Stephen Hijam S, Vishal B Sulaiman S (2018-2022)	Runner Up in Fastest Line Follower	Chennai International Youth Fest (CIYF), 2019
13	GodlinSneha, Janeefa T Bianca S I, Janesha Marino X, MonishaPriya U, Abirami H, Bharathi R (2018-2022)	Received Tools worth of \$400	DST-Texas Instruments
14	Selvamadhavan.N, Sanjay.M, Sri Dharshan V, Reuben.S, Nikhil Madhavan K A, Shanmugapriyan M (2017-2021)		



**St. JOSEPH'S GROUP OF INSTITUTIONS  
SILVER JUBILEE CELEBRATIONS**



**St. JOSEPH'S BOT '19**

NATIONAL LEVEL ROBOTICS COMPETITION

The St. Joseph's Robo Club of St. Joseph's Institute of Technology, Chennai has organized the "National Level Robotic Competition – St. Joseph's BOT '19" on 10th October 2019 for school students from 8th to 12th std. students and for College students. The blissful day started with registration, a total of 123 students from 22 Schools and 6 colleges registered and enthusiastically participated in the all the events. Mr. M. K. Swaminathan, Founder and CEO AROBOT, Chennai was the Chief Guest for the function and inaugurated the event.

Events: Follow it!, Sense Through!, Robotics Applications



Cash Prizes Worth Rs. 30,000/-



Cash Prizes Worth Rs. 30,000/-



**St. JOSEPH'S GENIUS '19**

NATIONAL LEVEL TECHNICAL SCHOOL COMPETITION

The National Level School Competition "St. Joseph's GENIUS '19" was conducted on 14/10/2019 adding a feather to the crown of success. Mr. Sathish Ramachandran Chief Technical Officer, AROBOT, Chennai was the Chief Guest for the day. 583 participants from 38 different schools participated and made the day more colourful. The event was jointly organised by the Department of ECE and Department of EEE.

Events: INNOV-X, I-QUIZ, RE-FLEX, TECH-X, SCI-DEBATE

# Workshop & FDP

## SPONSORED FDP/WORKSHOPS (STAFF)

Event	Topic	Date
FDP	Faculty development Program on "EC6703 - Embedded and Real Time Systems" in association with Anna University, Chennai	6 <sup>th</sup> to 13 <sup>th</sup> June 2016
	Faculty development Program on "EC6703 Embedded and Real Time Systems" in association with Anna University, Chennai.	15 <sup>th</sup> to 22 <sup>th</sup> May 2017
Workshop	National Level workshop on "Engineering in Diabetology" sponsored by Department of Health Research – Indian Council of Medical Research with a grant of Rs. 50,000/-	12 <sup>th</sup> to 15 <sup>th</sup> June 2019
Workshop	National Level workshop on "Biological Effects of Electromagnetic Fields and Radiations" sponsored by Government of India, Department of Atomic Energy – Board of Research in Nuclear Science (BRNS) with a grant of Rs. 40,000/-	12 <sup>th</sup> to 14 <sup>th</sup> December 2019



## STUDENT WORKSHOPS & VALUE ADDED COURSES

S.NO	Workshop	Organization / Institute Training the students	Year	No. of students Participated	Date
1	Mobile App Development	Pantech ProLabs Pvt. Ltd.	III	118	18/09/2018
2	Youth Summit 2018 & Workshop	Salesforce (ICTACT)	II,III & IV	85	10/9/2018 – 14/9/2018 (5 Days)
3	Factory Automation and Robotics	CDCE	II	112	3/1/19, 4/1/19 & 8/1/19,9/1/19
4	Machine Learning with Python	Top Freshers	III	31	26/2/19 27/2/19
5	Image Processing with OpenCV			83	
6	Antenna Design	Pantech ProED Lab	IV	24	12/1/19
7	Image Processing with MATLAB®			38	
8	IOT with Python			38	
<b>2019-2020</b>					
9	Python with Raspberry Pi	Pantech ProED Lab	IV	72	13/8/19 14/8/19
10	Augmented Reality		III	65	5/9/19 6/9/19
11	Mobile App Development		III	28	
12	Biped Robot		II	58	3/9/19 4/9/19
13	Brain Control Robot		II	46	
14	Gesture Control Robot	II	43		
15	Sales force Workshop	ICTACT	II,III	6	22/7/2019 to 26/7/2019
16	VMware workshop		II,III,IV	40	24/1/2020
17	(TNSDC) Skill Training on Technology and Soft Skills for IT/ITES sector		IV	11	4/2/2020 to 29/2/2020



**STUDENT WORKSHOPS & TRAINING PROGRAMMES OF IEEE MEMBERS**

Event No	Event Date(s)	Event Type	Topic of the Event
1	23/07/2018 & 4/07/2018	Workshop	Arduino & Node MCU
2	2/8/2018	SDTP	Arduino & Node MCU
3	28/02/2019	Workshop	Basics of Antenna design (IEEE APS)
4	28/02/2019	Workshop	Deep in Machine learning (IEEE WIE)
5	09/03/2019	Workshop	Drone Design
6	Feb -March 2019	SDTP	Robot design using ARM Microcontroller
7	Feb -March 2019	SDTP	Basic Antenna design
8	Feb -March 2019	SDTP	Image processing in Medical Applications
9	Feb -March 2019	SDTP	Advance Robotics
10	Feb -March 2019	SDTP	Basics of Photonics
11	31/08/2019	Workshop	Demystifying Embedded Systems, System on a Chip (SoC), & Raspberry Pi



**Entrepreneurship Development Cell**

"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 4<sup>th</sup> to 6<sup>th</sup> September 2018 with a grant of Rs.20,000/-



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 16<sup>th</sup> to 18<sup>th</sup> September 2019 and 5<sup>th</sup> to 8<sup>th</sup> February 2020 with a total grant of Rs.40,000/-. Around 110 students and 72 students participated in the awareness camp which consisted of a series of guest lectures and Industrial visits.



**Guests invited**

1. Mr.Ramesh Iyengar, Chairman & Managing Director of Zsivira Chemie Merk Ltd.
  2. Mr.Rathnakumar, Director of Kaar Technologies India Pvt. Ltd.
  3. Mr.S.P.Balamurugan, Co-founder & CEO of GUVI Geek Network Pvt Ltd.
  4. Mr.Suresh Radhakrishnan, Founder of Chaikanth Pvt. Ltd.
  5. Mr.Nelson Naveen, Founder of Nelsonin Research.
- (Distinguished Alumnus St. Joseph's College of Engineering)

**NGO VISITS**

To give to the needy is true charity. Our Chairman desires for extending his support to the orphanages, homes of children suffering with cerebral palsy and differently abled, homes of the aged people through St. Joseph's விடிவுவள்ளி, non-governmental organization. Our department students actively participate in the NGO visits and enthusiastically interact with children and elderly. Each semester for the past eight academic years more than 90 NGO homes, which include 75 orphanages, 10 old age homes and 7 CP children home in and around Chennai have been visited by our college student volunteers.



## INDUSTRIAL VISITS

Industrial visits are arranged by the department for the students to understand the growing industrial needs. Students are exposed to the process and revolutions happening in the top industries. Each semester all students are taken for the industrial visit.

The leading industries visited by our department students are:

**Satish Dhawan Space Centre, National Atmospheric Research Laboratory, Regional Meteorological Centre, Bhavini, Department Of Atomic Energy, Airport authority of India, Neyveli Lignite Corporation Limited, TVS Motors, North Chennai Thermal Power Station, Crystal Growth Centre- Anna University, Ashok Leyland etc.**



## GUEST LECTURES

Guest Lecture is a way of enriching our students with the latest updates about the rapidly developing technologies. The Students are imparted with the knowledge of Industry needs, latest technical updates, Avenues for Higher studies etc. Guest lectures by eminent personalities, academicians, leading industrialists, chief executive officers and managers are held by the department at regular intervals to provide valuable information to our students. Some of the industries and premier institutions from where experts visited us are **Honeywell, Intel, National Institute of Technology , BSNL, IITDM, Yamaha Motors, College of Engineering, Shantou University, China, HP, Madras Institute of Technology, Vellore Institute of Technology, etc.**



## IN-PLANT TRAINING AND INTERNSHIP

All students of the department take up In-plant Training, Internship at reputed industries during summer and winter vacation periods. They get to know the industrial standards, the workflow and also work on industrial projects with experts in the relevant fields applying their subject knowledge. All students happily take up the training and are immensely benefited from the training. The pioneer industries to which students have visited are **Mideast Data Systems, Abu Dhabi, UAE, Polytech Asia Pte. Ltd., Singapore, Mormugao Port Trust (MPT),Goa, Prasar Bharati, All India Radio, Nokia solutions and Networks India Pvt. Ltd, Siemens Limited, Reliance Communications Ltd., Manatech Electronics Pvt. Ltd. , Flextronics Technologies Pvt. Ltd., Airport Authority of India, Chennai Port-Trust, Vishay Precision Transducer, Neyveli Lignite Corporation India Limited, NSIC**

## PMKVY TRAINING

**Pradhan Mantri Kaushal Vikas Yojna (PMKVY) - TI 2018-19 Engineering Skills Development Programme (Approved by AICTE)**

**Programme Title : CCTV Installation**

**Eligibility : 10th Pass**

**Stream : Electronics**

**No. of Hours : 400**

**Intake : 25**

**Funds Received: Rs.3,82,500**

## INDUSTRY INSTITUTE INTERACTION

Our department builds bridges between industries by maintaining a good rapport with the industrial experts. They are regularly invited to the campus for discussion sessions and brainstorming. The Industry Institute Interaction is a very actively functioning cell of the department.



### LIST OF MOUS

- CII - TITAN Model Career Centre,
- TANSTIA
- INTERNSHALA
- PANTECH PROLABS INDIA Pvt. Ltd, Chennai,
- NATIONAL SMALL INDUSTRIES CORPORATION(NSIC)
- RETECH Solutions Pvt Ltd.,
- RAJIV GANDHI MEMORIAL TELECOM TRAINING CENTRE, Meenambakkam, Chennai,
- REGIONAL TELECOM TRAINING CENTRE (RTTC), Maraimalai Nagar, Chennai
- CDCE AUTOMATION, Chennai (Common)
- AROBOT
- New Propeller Technologies R & D Pvt Ltd

## LABS AVAILABLE IN DEPARTMENT

Sl. No.	Name of the Laboratory	Area of the laboratory available (sq.m.)
1.	Engineering Practices Lab / Circuits & Devices Lab	150
2.	Electronics Lab/ Circuits Simulation & Integrated Lab	150
3.	Analog & Digital Circuits Lab	150
4.	Linear & Digital Integrated Circuits Lab	150
5.	Microprocessor & Microcontroller Lab	150
6.	VLSI / DSP Lab	150
7.	Computer Networks Lab / Communication Systems Lab	200
8.	Embedded System Lab	150
9.	Optical & Microwave Lab	150
10.	Research & Development Lab	53
11.	Project Lab	53
12.	Centre for Excellence (Pantech Pro Labs India Pvt. Ltd.)	53

**28**  
Faculty Members

**10**  
PhD Holders

**8**  
Doing PhD

**3**  
Professors

**3**  
Consultancy Projects

**3**  
Sponsored Research

**6**  
Government Funded Projects Applied

**75**  
FDPs Attended (2018-2020)

**26**  
Workshops Attended (2018-2020)

**1**  
PMKVY

**34**  
NPTEL Courses Completed

**88**  
Publications

**65**  
Conferences



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
**St. JOSEPH'S GROUP OF INSTITUTIONS**  
OMR, Chennai - 600119