

We Make You Shine



St. Joseph's Institute of Technology

St. Joseph's Group of Institutions

OMR, Chennai-600 119



Department of Electronics and Communication Engineering



Student Chapter Activities - IEEE

Academic Year 2019-2020

Distinguished Lecture

Name of the event: **IEEE Photonics Society (PS) Distinguished Lecture's Talk On “Photonics for Broadband Microwave Measurement”**

Date of Event: 19/12/2019

Venue :AV Hall I, St. Joseph's Institute of Technology, Chennai

Sponsoring Agency: IEEE Photonic Society

On the account of the Silver Jubilee celebrations of St. Joseph's College of Engineering, St. Joseph's Group of Institutions, **IEEE PS Distinguished Lecture's Talk** was conducted by the department of ECE, St. Joseph's Institute of Technology & IEEE PS on 19th December 2019. with the our beloved **Chairman, Dr.B.Babu Manoharan, Our Managing Director Mrs.B.Jessie Priya, our Director Mr.B.Shasi Sekar and our Principal Dr. P. Ravichandran** as Chief Patrons.



International WIE meet

Event Topic: **WIE Meet**

Event Date: **31st August 2019**

Chief Guest: **Mrs.Emi Yano**

IEEE Region -10 (Asia Pacific) Women in Engineering Chair, Japan

Description: The IEEE WIE One Day National Meet with Distinguished Lecture was conducted on 31st August 2019. Mrs. Emi Yano



Educational Awareness Camp for School Students

The main objective of this event is to provide an exposure to the school students about the developing technology and opportunities available for their future. The participants i.e. the college student volunteers provide an insight and brief about the innovative technologies developing day by day in and around the world and also the opportunities and options available through their presentations. This event provided volunteers a great experience and exposure on presenting the available future opportunities, career streams and the developing technologies.

Totally 3 teams participated from the college and visited a total of 12 schools (6 urban and 6 rural) in the district. The soft copies of presentations, registration forms and the photos were submitted to the Regional Head IEEE team wise with all the details of the team members along with their team leader and the hard copy of the above were sent to the office of the Regional Head IEEE.

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TEAMS PARTICIPATED

Batch I

S.no	Team Name	Name of the Student	Date of Visit	School Name	Category
1.	Fantasticans	Team leader: K.E.Sanjana Team Members 1.R.Srinivedha 2.A.T.Aravindhana 3.S.MarySusmaRose	22 th July 2019	Sunshinehigher secondary school	Urban
				Dave baba vidyalaya school	Urban
			29 th July 2019	Government girls higher secondary school	Rural
				K.E. Natesa Chettiayar Mel Nilai Palli	Rural

Department of ECE

Educational Awareness Camp for School Students

TEAMS PARTICIPATED

Batch II					
S.no	Team Name	Name of the Student	Date of Visit	School Name	Category
1.	TechQuad	Team Leader: R.Subhash Team Members: S.Sam Patrick V.Santhosh Kumar Rishika Srivastava	25 th July 2019	Colors Indian School, Kandagai, Chennai-5600127	Rural
				St Joseph's matriculation school,vandalor, Chennai-5600127	Rural
			29 th July 2019	St John's matriculation school, East tambaram, Chennai-5600059	Urban
				St.Joseph's higher secondary School, East tambaram, Chennai-5600059	Urban

Batch III					
S.no	Team Name	Name of the Student	Date of Visit	School Name	Category
2.	Tech-ECE	Team leader: DHARANI.V Team Members: 1. KarthikaDevi 2. Subikshaa.V 3. Moulidharan	24 th July 2019	Madras Christian College Higher Secondary School, Chetpet, Chennai-31	Urban
				Madras Christian College Public School,Chetpet, Chennai-31	Urban
			29 th July 2019	Arignar Anna Government Higher Secondary School(Boys), Poonamalle, Thiruvallur District-056	Rural
				Government Girls Higher Secondary School, Poonamalle, Thiruvallur District-056	Rural

Department of ECE

Educational Awareness Camp for School Students



Competitions Organized

S.No	Topic of the Event	No of Students Participated
1.	Antenna Tech Gap	25
2.	Doodle for Women Empowerment	16

NAME OF THE SOCIETY	EVENT NAME/DATE	ACHIEVER'S NAME	YEAR/ SEC	PLACE	CASH PRIZE
IEEE APS	Antenna Tech Gap 20/7/19	E.Amalin Asha	III A	I	Rs.400/-
		S.Vedhika	III B	II	Rs.300/-
IEEE BTS	IEEE READ THROUGH 24/6/2019	S.SIMON DANIAL RAJ	III B	I	Rs.400/-
		R.SUBASH	III B	II	Rs.300/-
		THIRU SENTHIL MURUGAN K	III B	III	Rs.200/-



Inter college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1	31/08/2019	Workshop	Demystifying Embedded Systems, System on a Chip (SoC), & Raspberry Pi	168



Department of ECE

Inter college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1	18/09/2019	Seminar	Technical Seminar on	29



New Society Inauguration

S. No.	Event Date	Event Type	Topic of the Event
1	26/9/2019	New Society Inauguration	IEEE Photonics Society

IEEE Photonics Society was inaugurated by Dr. T.D. Subash Chair-IEEE Photonics society madras chapter on 26/9/2019



Department of ECE

Student Development Training Program (SDTP)

BTS Read Through

Department of ECE & IEEE BTS of St. Joseph's Institute of Technology conducted a **BTS Read Through** on 24/06/2019. The key goal of the event was increasing the importance of reading journal among the students for doing the initialize research. The question in the round framed about the Journal name, DOI no, hardware, software, methodology, and future extension of project from the paper.

Industrial Visit

Department of ECE & IEEE EMBS society of St. Joseph's Institute of Technology conducted an Industrial Visit to NARL (National Atmospheric Research Laboratory), Tirupati. The key goal of the event was to increase the importance of the antenna section among the students for doing the initialize research.

NGO visit

Department of ECE, IEEE EMBS of St. Joseph's Institute of Technology organized an **NGO visit on 22.06.2019**. The primary objective is to meet the physical, mental, emotional and spiritual needs of orphaned and/or destitute children by providing them with love, care, nourishment, guidance. The orphanage had atmost 30 students, and we gave them wheat flour, oil, soaps etc. for 5000 rupees.

IEEE Day Celebrations

Department of ECE, IEEE of St. Joseph's Institute of Technology conducted a IEEE DAY celebrations on 05.10.2019. We organized a Rangoli competition where the students need to make a rangoli of the pictures we captured during the events organized throughout the year, distributed chocolates to the IEEE members, and took a group picture.



Department of ECE

Student Chapter Activities - IEEE

Academic Year 2018-2019

New Society Inauguration

IEEE Antennas and Propagation Society (APS) is inaugurated on 11/09/2018 by Dr. S. Joseph Gladwin, Secretary, IEEE AP-S Madras Chapter



Inter college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1	28/02/2019	Workshop	Basics of Antenna design (IEEE APS)	20
2	28/02/2019	Workshop	Deep in Machine learning (IEEE WIE)	70
3	03/04/2019	Project Expo	Proto Storm 2019 (IEEE EMBS)	27 Teams



Inter college Activities - Project Expo "Proto Storm"

The one day National level project expo for UG college engineering students on challenging research projects like Image capture Projects using IoT. Robotics in medical field, Embedded systems, Virtual 3 D holograms, Renewable energy, Innovative projects.

The main objective of this expo is to provide an exposure to the students about the developing technology. The participants present their innovative ideas with their interesting projects. This expo provided students a great experience and knowledge on how they can improve their projects that would help our society.

Totally 27 teams participated from different colleges around the city attended the expo and presented their projects. The Chief Guest and the resource people judged the projects and provided a feedback on how they could improve their projects. Three best projects were awarded with cash prizes and certificates of merit.

No. of participants: 27 teams

No. of Colleges participated: 20

Department of ECE



Department of ECE



Project Expo “Proto Storm” - Winners

S.No	Team Name	Name of the Participant	College Name	Prize Won	Amount Details
1.	Quadruped Robot	Aakash P , Dhileep Kumar M	Panimalar Engineering College	I	Rs.4000/- (With Certificate)
2.	Sathyambama civil Innovation Team	P.Thilipkumar, S.Sakthiram Sudhan	Sathyabama Institute of Science And Technology	II	Rs.3000/- (With Certificate)
3.	Plastic waste to fuel	Chandrasekaran P Karthick .S Aravind C.R.	CIPET	III	Rs.2000/- (With Certificate)

Poster Presentation

Department of ECE, IEEE WIE society organized a “**Poster Presentation**” on 28/09/2018. The key goal of the event was to infuse a spirit of constant questioning and quest for knowledge among all our students.



Student Development Training Program (SDTP)

Category : Intra college students

Society: IEEE APS

Department : ECE

Date of Event : Jan-March 2019

Topic: Basic Antenna design

Speaker details: Sheriba.T.S. Assistant Professor (S.G), Valliammai Engineering College.

Target audience : IEEE APS Students

Category : Intra college students

Society: IEEE EMBS

Department : ECE

Date of Event : Jan-March 2019

Topic: Image processing in Medical Applications

Speaker details: Mr.E.Arunkumar, ME(Ph.d), RETECH SOLUTIONS Pvt. Ltd.

Target audience: IEEE APS Students

Category: Intra college students

Society: IEEE EMBS

Department :ECE

Date of Event :Jan-March 2019

Topic:Image processing in Medical Applications

Speaker details: Dr.V.R.Balaji,AP,SJIT

Target audience: IEEE PS Students

Category: Intra college students

Society: IEEE RAS

Department : ECE

Date of Event : Jan-March 2019

Topic: Basic robot design using AVR Micro controller

Speaker details: Ms.Mira Ganesh, IEEE RAS Student secretary & Mr.Subash, IEEE OES Student secretary

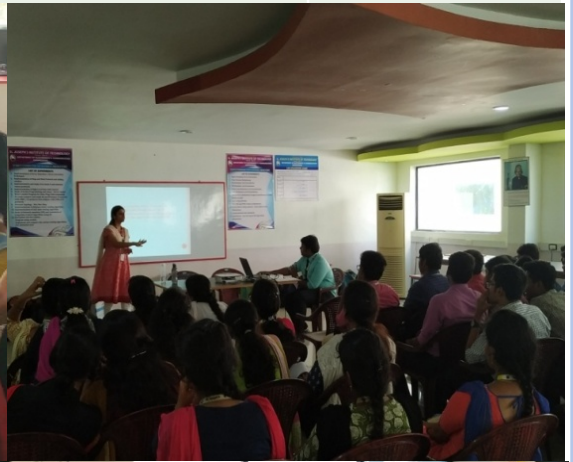
Target audience: IEEE RAS Students



Department of ECE

Intra college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1.	Feb 2019 to March 2019	Workshop	Drone Design	35
2.	Feb 2019 to March 2019	SDTP	Robot design using ARM Microcontroller	35
3.	Feb 2019 to March 2019	SDTP	Basic Antenna design	30
4.	Feb 2019 to March 2019	SDTP	Image processing in Medical Applications	15



Intra college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1	Feb 2019 to March 2019	SDTP	Advance Robotics	15
2	Feb 2019 to March 2019	SDTP	Basics of Photonics	15
3	4/12/2018 to 05/12/2018	Students Workshop	Smart Applications using IoT - Node MCU	25
4	Feb 2019 to March 2019	Technical Seminar	Getting started with Robotics & Embedded	60

Department of ECE



Competitions Organized

S. No.	Event Date	Topic of the Event	No of Students Participated
1	2/02/2019	Read Through	30
2	14/03/2019	Doodle for Women Empowerment	15
3	23/03/2019	Tech-gap	35

NAME OF THE SOCIETY	EVENT NAME /DATE	ACHIEVER'S NAME	YEAR/SEC	PLACE	CASH PRIZE
IEEE RAS	Read Through 2/02/2019	C. Esther Pertishiya	III A	I	Rs.500/-
		Mithra Jagadeesan	II B	II	Rs.400/-
		E.Amalin Asha	II A	III	Rs.200/-
IEEE EMBS	Tech gap 23/03/2019	R.Subhash	II A	I	Rs.500/-
		R.Vignesh Kumar	II A	II	Rs.400/-
IEEE WIE	Doodle for Google 14/03/2019	V.Dharani	II A	I	Rs.500/-
		S.Tamilarasi	II B	II	Rs.400/-
		B.Aishwarya	II A	III	Rs.200/-

Department of ECE



Distinguished Lecture

Topic: **Computational Modeling and Digital Dysmorphology for Diverse Populations with Genetic Syndromes**

Speaker details: **Dr.Marius George Linguraru** , Principal Investigator, Children's National Medical Center, Washington DC, USA

Date of Event: **3/12/2018**

“This program Technically and Financially support by IEEE EMBS”

The speech elaborated about a genetic condition. The children experience a high incidence of serious medical complications and intellectual disability that require immediate treatment. Genetic conditions often present clinically with universally recognizable signs and symptoms, including recurring patterns of malformations on the face and body that are path genetically related. These patterns can be obvious or very subtle and manifest differently with age and ethnical background. However, quantitative facial measurements are not available to primary care physicians, pediatricians and neonatologist, nor are they performed in a standardized and reproducible fashion by geneticists. The mGene is a non-invasive, smart phone application that identifies a wide array of genetic syndromes. The technology detects specific, clinically-proven markers of these disorders using objective and quantitative facial analysis enhanced by machine learning.

Totally **131** students participated and benefited from this lecture.

Distinguished Lecture



Department of ECE

Competitions Organized

S. No.	Event Date	Topic of the Event	No of Students Participated			
1	12/07/2018	Quiz on SI units	15			
2	3/08/2018	Circuit Debugging	25			
3	5/7/2018 & 6/7/2018	Cross Puzzles	31			
NAME OF THE SOCIETY		EVENT NAME/ DATE	ACHIEVER NAME	YEAR/SEC	PLACE	CASH PRIZE
IEEE APS	Quiz on SI units 13.07.2018	Arun Kumar.G	III/A	I	Rs.500/-	
		Geowin.H	III/A			
		Danny Solomon.N	III/ A	II	Rs.400/-	
		Dhaneshwar.M	III/ A			
		Ravi Teja	III/ A			
		Keerthana.S	III/ B	III	Rs.200/-	
		Janaki.R	III/ B			
	Hemalatha.S	III/ B				
IEEE EMBS	CIRCUIT DEBUGGING 03.08.2018	Abdul aashik .M	III/ A	I	Rs.500/-	
		Gowtham.V	III/ A			
		Enoch ribin .C	III/ A			
		Sriram.R	III/ C	II	RS.400/-	
		Viswanathan.L	III/ C			
		sudharsan.M	III/ C			
IEEE BTS	Cross Puzzles on Electronics 5.07.2018	Gowtham V	III/A	I	Rs.500/-	
		Charan R	III/A			
		Rahul Deo	III/C	II	RS.400/-	
		Rahul C	III/C			



Intra college Activities

S. No.	Event Date	Event Type	Topic of the Event	No of Students Participated
1	23/07/2018 & 24/07/2018	Workshop	Arduino & Node MCU	91
2	2/8/2018	SDTP	Arduino & Node MCU	91
3	4/07/2018	Technical Seminar	Microwaves in bio medical engineering Resource Person (Dr. S. Raghavan, Prof Dept. of ECE, NIT Trichy)	60
4	11/09/2018	Technical Seminar	Under Water Sensor and its Applications Dr. S. Sakthivel Murugan	45



EMBS Society & BTS Society

Electronics and Communication department of St. Joseph's Institute of Technology initiated the **IEEE Engineering in Medicine and Biological Society (EMBS) & Broadcasting Technology Society (BTS)**. The inauguration began with Ms.N.S.Madhura, Chair of the EMBS student chapter welcoming all the dignitaries gathered. It was followed by an inspiring and thought provoking speech by the honourable chief guest Dr.Santhanaraj Balakrishnan.



**IEEE Broadcast
Technology
Society**

Student Workshop

The IEEE EMBS organized a two days training program on IoT in Medical Applications was held on 5/03/18 & 6/03/18. Totally 35 students attended the training program and tremendously benefited. The resource person is **Mr.E.Arunkumar, M.E (Ph.d), Vice president, RETECH SOLUTIONS Pvt. Ltd, and team.**

The main purpose of this program is developing the knowledge on implementation of IoT in medical applications. The students are trained to work in various sensors like heartbeat, temperature, and Vibration sensor. The students are provided with



IEEE DAY 2017

The IEEE Day, 2017 was celebrated in the student branch on 07th, 10th, and 11th of October 2017. The importance of IEEE and its benefits were addressed to the students and their questions regarding IEEE member benefits were explained. Events like Technical Quiz, Connexions, Rangoli contest and Oral Quiz were organized for IEEE student members. Winners were given prizes for each event.



Election meet for the year 2017

Department of ECE & IEEE team conducted the election on June 22, 2017 for the following posts Vice chair, Technical Team, Web designing team and Event reporting team for the following four societies **IEEE BTS, IEEE EMBS, IEEE RAS, IEEE WIE.**, an election conducted through a secret ballot where the members voted, to elect their leader. After completion of election, we conducted a general meeting about IEEE activates, Workshop, and Symposium, Project development for the year 2017.



Technical Seminar

The IEEE EMBS society & Department of ECE organized a technical seminar in “Image Processing” on 8th September 2017. The seminar was conducted by Mr.E.Arunkumar, M.E (Ph.d), Vice president, RE-TECH SOLUTIONS Pvt. Ltd.



Intra college Activities

SOCIETY : IEEE EMBS

DEPARTMENT : ECE

Date of Event : 27/12/2017-29/12/2017

Topic:Recent Trends on IoT in Medical Applications

Speaker details : **Mr.Shahul Hameed Akthar**, Senior VLSI engineer, All about FPGA.COM.

Target audience: IV year IEEE Student Members.



Society: IEEE Madras Section

Department : ECE

Date of Event : 23/05/2018-25/05/2018

Topic: Internet of Things (IoT) for Real Time Applications - Case Study Approach

Speaker details:**V.V.Kailas**, Senior Embedded Engineer, Pantech ProEd Pvt. Ltd

Target audience: Students



Intra college Activities

Society : IEEE RAS

Department : ECE

Date of Event : Jan 2018- March 2018

Topic : Short-term training program on **Arduino and Proteus software**

Speaker details : **Mr.E.Arunkumar,M.E(Ph.d)**,Vice president, RE-TECH solutions Pvt. Ltd

Target audience :III YEAR IEEE Students



Society : IEEE RAS

Department : ECE

Date of Event : Jan 2018- March 2018

Topic : Short-term training program on **IOT**

Speaker details : **Mr.E.Arunkumar,M.E(Ph.d)**,Vice president, RE-TECH solutions Pvt. Ltd

Target audience :III YEAR IEEE Students



Guest Lectures

Society : IEEE RAS

Department : ECE

Date of Event : 12.03.2018

Topic : Technical seminar on “**Robotics and Artificial Intelligence**”

Speaker details: **Dr.P.V.Manivanan Ph.D, Associate Professor, IIT Madras**

Target audience:IEEE Students

Society : IEEE EMBS

Department : ECE

Date of Event : 3.03.2018

Topic : **Soft Skills training**

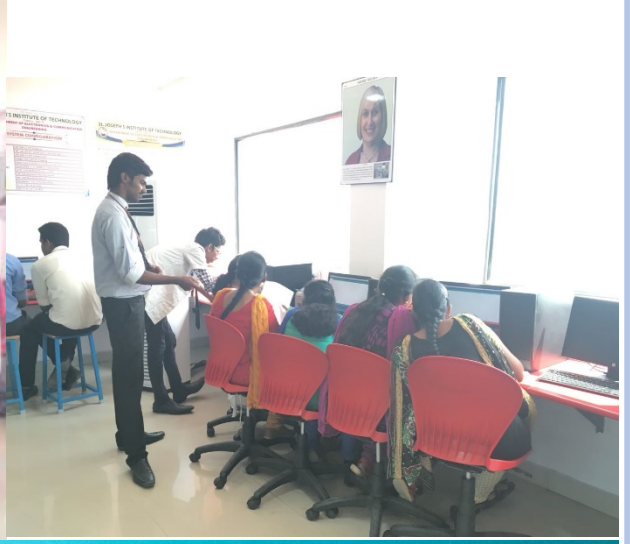
Speaker details : **K.Muthukumaran, Soft Skills Trainer.**

Target audience:IEEE Students



Department of ECE					
Society : IEEE PELS Department : EEE Date of Event : 16/02/2018 Topic : Recent Trends in Solid State Drives Speaker details : Dr. S. Rama Reddy, Dean, Jerusalem College of Engineering. Target audience : IEEE Students					
Competitions Organized					
NAME OF THE SOCIETY	EVENT NAME/DATE	ACHIEVER'S NAME	YEAR/SEC	PLACE	CASH PRIZE
IEEE RAS	OBSTACLE AVOIDING ROBOT 23.03.2018	GOWTHAM V	II/A	I	Rs.500/-
		DANNY SOLOMAN N	II/A		
		DHANESHWAR M	II/A		
		DEEPIKA R S	II/A	II	RS.250/-
		GOWDHAMI T U	II/C		
		KANNIKA M	II/C		
IEEE RAS	PROTEUS: SIMULATION CONTEST 14.02.2018 & 09.03.2018	GOWTHAM V	II/A	I	Rs.500/-
		DANNY SOLOMON N	II/A		
		DHANESHWAR M	II/A		
		JOEL SOLOMAN RAJ A	II/B	II	RS.250/-
		HARISH KUMAR K	II/B		
		KISHORE KUMAR K	II/B		
IEEE EMBS	TECHNICAL CODE CONTEST ON ARDUINO-3 13.02.2018 & 19.02.2018	ASITHA P	III/A	I	Rs.500/-
		ALJIN SHOBA	III/A		
		JOSHUA D	III/B	II	RS.250/-
		JEBIN GNANADAS H	III/B		
IEEE EMBS	TECHNICAL QUIZ ON ADVANCE ELECTRONICS 22.01.2018 & 23.01.2018	JENISHA A	III/B	I	Rs.500/-
		MANISHA S A	III/B		
		RAJAGOPALAN	III/C	II	RS.250/-
IEEE WIE	TECHNICAL QUIZ ON ARDUINO 29.01.2018 & 30.01.2018	ARUNA KRISHNAN	II/A	I	Rs.500/-
		ESTHER PERTISHIYA C	II/A		
		AAFREEN FATHIMAH G	II/A		
		GOWDHAMI T U	II/A	II	Rs.250/-
		DEEPIKA R S	II/A		
		CHRISTY K	II/A		

Department of ECE



Workshop

The IEEE WIE of St.Joseph's Institute of Technology, Chennai-119 & IEEE Madras section organized a Two day workshop on “Python and Raspberry Pi” on 11th, July 2017 and 12th July 2017 by Mr.Rahul Yennu ,Senior Embedded Engineer &Mr.Gokul Kumar J,Head Training and Placements, Pantech ProEd Pvt Ltd, Semmancherry, Chennai.



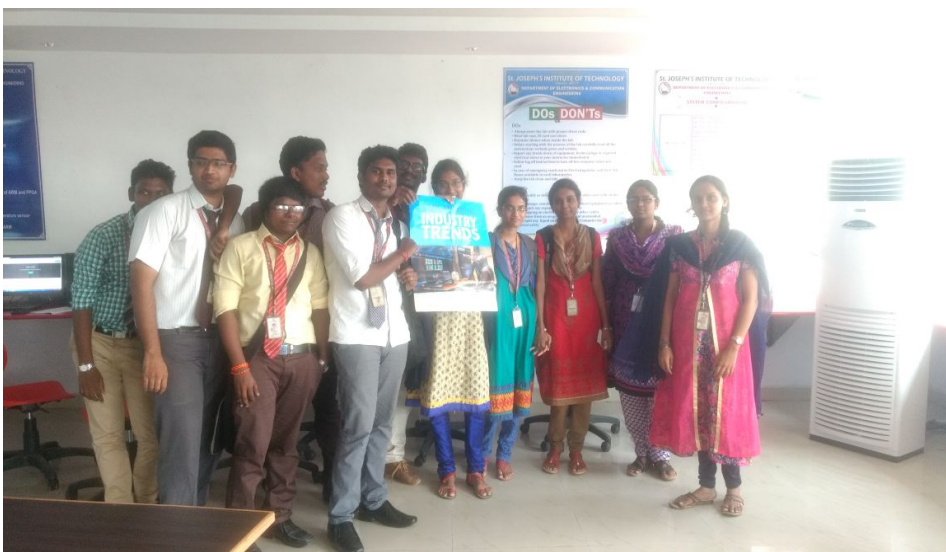
Technical seminar on Research and Innovation

The IEEE RAS & Department of ECE organized a Technical meet on “Research and Innovation” on June 31, 2017 presided over by K.Swaminathan, CEO and Founder, Arobot, Chennai. In his speech, he elaborated on the features of Intelligent Automation Vehicle Designing, IOT based energy saving systems, Ocean Satellite study analysis, and real time difficulties. He also mentioned the possibilities of getting projects from various agencies like DRDO, DSR, CSIR, and IEEE. The total attendance was 54(4 faculty members, 40 IEEE members and 10 Non IEEE members).



Code challenge Event

The IEEE RAS society and the department of ECE conducted a Code Challenge event on 21/09/2017. The participants were given two programs to solve within 1 hour. The languages allowed to use were C and C++. The purpose of this event was to develop their knowledge on C and C++. Many IEEE members and non-IEEE students also participated out of which the following students emerged as winners. 1. Deepak Kumar (IIIrd year) 2. Joushua (IIIrd year)



NON TECHNICAL ACTIVITIES

Treasure Hunt

Department of ECE & IEEE EMBS jointly organized a technical event "Treasure Hunt on Electronics" on 29th August 2017. The event involved testing of technical skills on students. Totally 40 IEEE members actively participated in the event. The event involved testing the technical knowledge of the participants. The questions were from various domains in Electronics and it was challenging for the participants to crack the game. The winners of the event were **BAVITHRA.R, JAYAPRIYA.S**. The runners of the event were **MANIKANDAN, JEBIN GNANADAS, HEMAN RAJ R, HIRAN KUMAR R**.



IEEE NGO Activity

Department of ECE & IEEE EMBS jointly organized a NGO activities on 23th September 2017. **Navajothi, Tambaram Sanatorium orphanage** visited by IEEE students. 48 IEEE volunteers visited and supported over 40 under privileged children. At the end of all visits, student's eyes were filled with tears due to emotions. They were thankful to God and they count the blessings showered on them. Students were also inspired by the knowledge the children shared during the visit, their experience.



INAGURATION OF IEEE RAS

St. Joseph's Institute of Technology IEEE RAS organized by **Dr.C.GnanaKousalya** , Prof & HOD –ECE department, inaugurated on 28.07.2016 at 10.30 AM. **Dr.P.Ravichandran** , Principal, dignified the event. **Chief guest Dr. P. A. Manoharan** , Robotics & Automation Society (Chair), Mr. G.S.Uthyakumar, Secretary and Mr.Balaji.V.R Execom member of RAS & and Mr.T.Siva IEEE Professional member were participated and graced the occasion.



TECHNICAL MEET “Basics on Robotics”

The IEEE (Robotics & Automation Society) of St.Joseph's Institute of Technology, Chennai-119 organized a Technical meet on “Basics on Robotics” on 28.07.2016 by Dr. P.A.Manoharan, Robotics & Automation Society (Chair), and IEEE Madras section. The speech elaborated about the features of robots designing, manufacturing difficulty, possibilities of getting project from various agencies like DRDO ,DSR,IEEE RAS. 90 members from IEEE RAS & WIE members attended the seminar.



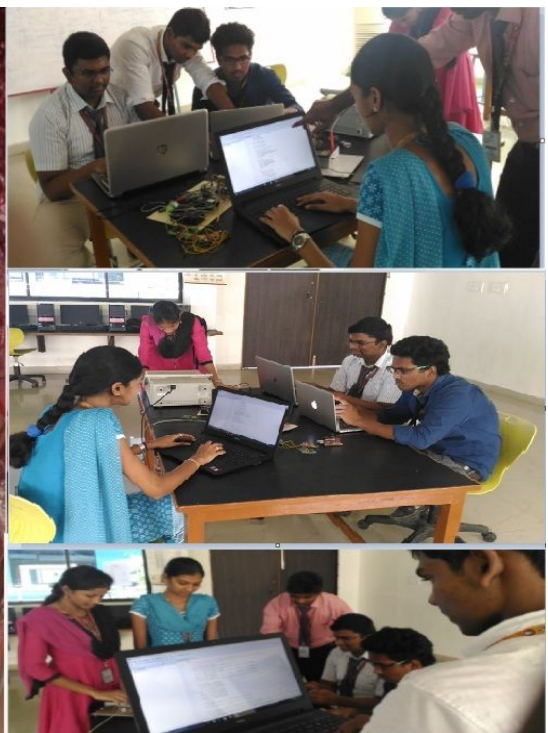
TECHNICAL SEMINAR ON MICROSATELLITE

IEEE Madras section who imparted the importance of designing educational satellite. His awe-inspiring speech created awareness about the need of microsatellite and its applications. Our Technical force, respected Mr.Jagathalapratap.E, Manager-Technical Marketing and Mr. Bharatha Raja.M, Senior Engineer, Hardware Design and Development, Data Patterns (India) Private Limited and the team members elaborated about the features of microsatellite designing, manufacturing difficulty, possibilities of getting project proposal from various agencies like DRDO ,DSP etc.



PROJECT DEVELOPMENT TEAM FROM IEEE RAS

The projects aims in establishing a humanoid robot, with a purpose of appreciating the necessities of humans, answering his questions, respecting his feelings judged by facial gestures of humans in order to react suitably and supporting human based on the requisites from the personal data. Speech recognition, face recognition and interactive communication with humans have been completed till now. The intelligence behind this robot was built up using the following components: INTEL NUC, Arduino Kit, PIR SENSOR.



TECHNICAL QUIZ ON ROBOTS

The Technical Quiz on robots contest was conducted on 17.07.2016 & 24.07.2016. It was a pen and paper test about humanoid robots. Total of 18 teams with 2 members in each, participated. Based on the results of prelims 6 teams were selected for finals. The finals were conducted on 24 th August. It consisted of 2 rounds. First round quiz was “Basics of robots and its principles”, Second round quiz was “Humanoid Robots” Based on results of two rounds 2 team selected as winners

The winners are

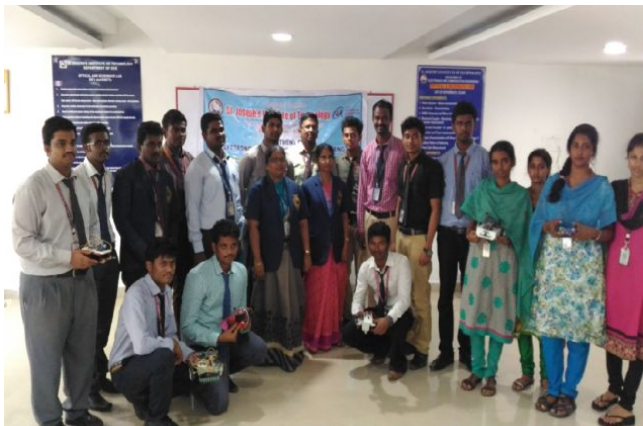
I Prize - 1. Madhura III/B 2. Neeraja III/B

II Prize - 1. Deepa IV/A 2. Flavia IV/A



ROBO -WAVES

IEEE RAS Society conduct a ROBOWAVES EVENT on 19th September, 2016. Initially to create the motivation among the students . The students are trained ,how to make a line follower robot using simple LM293D driver IC and IR sensor & Aurdino. 50 students participated in the hands on training program. Totally 14 batches participated in the first round, among the participants 4 batches selected for final round. The decision in the first round based on the time elapsed with the robot to reach the destination. The second round objective to make obstacle avoiding robot. Based on the performance of the robots ,finally 2 batches selected as the winners.



INAGURATION OF IEEE WIE

St. Joseph's Institute of Technology IEEE WIE affinity group organized by Dr.G.Rohini, Prof in ECE Department & LAB HOD, inaugurated on 28.07.2016 at 1.00 PM. Dr.P.Ravichandran, Principal, dignified the event. The Inauguration was presided by esteemed chief guest Dr.Vydeki Vijakumar, Chair-WIE Chapter .The plan of the action for the academic year was presented by the Ms. M.Snigdha , Student Chair of RAS, detailed upon the proposed activities of the IEEE student chapter for the year 2016. Ms. Neeraja , IEEE member of WIE explain about WIE affinity group .The guest speaker of the day spoke about the benefits of IEEE student membership, volunteering in IEEE, various activities in IEEE madras section as well as in R10, funds available for students, and many more valuable points related to IEEE membership and WIE benefits.



PUBLIC SPEAKING CONTEST

The Public speaking contest was conducted on 07.07.2016. 19 students participated in the event. The themes given for contest are 1. Women Empowerment 2.Role of women in India's progress 3.Importance of Gender Equality. Each participant limited to speak for eight minutes.2 students were selected as the winners based on the performance and speech

The winners are

1. Snigdha K (IV/B) 2. Gayathri P (IV/A)



Student Chapter Activities - IEEE

Academic Year 2016-2017

Competitions Organized

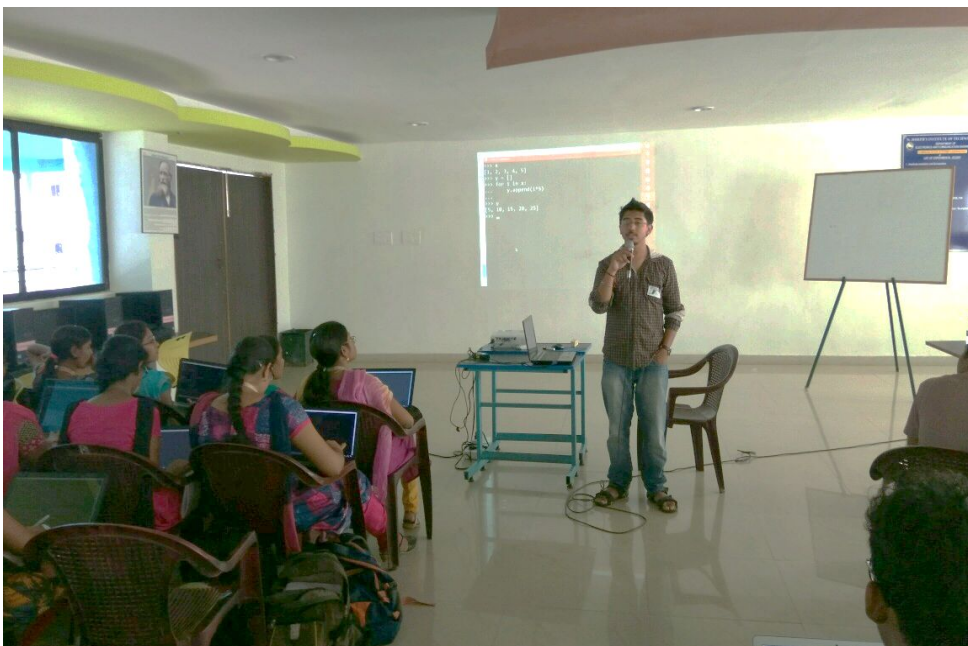
Name of the society	EVENT NAME/DATE	ACHIEVER NAME	YEAR/ SEC	PLACE	CASH PRIZE
IEEE RAS	TECHNICAL SEMINAR 30/1/2017	MADHURA NS	III/B	I	Rs.300/-
		VAISHIBHA A.G	II/C	II	Rs.200/-
		NEERAJA.C	III/B	III	Rs.200/-
IEEE RAS	IEEE E -QUIZ 16/3/2017	M.RAM PRASATH	III C	I	Rs.300/-
		SAI PRASANNA VENKATESH			
		V.SANTHOSÉ KUMAR			
		A G VAISHIBHA	II C	II	Rs.200/-
		SANTHOSHI GAYATHRI			
		A VALLI NAYAGI			
IEEE WIE	IEEE BLOOD RELATIONS. 3/3/2017	S O VIYA PRIYA	II B	I	Rs.300/-
		S MEENAHSHI			
		V MALATHI			
		V MARY SWETHA			
IEEE RAS	IEEE FIFA 01/04/2017	MELVIN SAMKUMAR.A	III B	I	Rs.500/-
		KRISHNA L			
		YASAR AHAMED S	III C,B	II	Rs.300/-
		NAJEEMFAZIL M			
		SAI KRISHNA K.			





Workshop

The IEEE WIE & ECE of St.Joseph's Institute of Technology, organized a One day workshop on “ Basics on Python” on 14.03.2017 by Mr.Sanjay Siddha Pradeep Kumar,Lead Software Engineer, HCL Technologies, Chennai. The speech elaborated about the features of python language design, possibilities of getting job through programming language, The resource person created knowledge to students, about the details associated with the research from this workshop.



Guest lectures

The IEEE RAS organized a Technical speak on “**Python**” on 02.03.2017 by Mr.Lakshman Software trainer, HPE software university. We created the Opportunity to learn one of the popular and applicable programming languages and Network with fellow programmers and coding enthusiasts.



Faculty Development Programme

IEEE Madras section sponsored two-day FDP on Advances in Robotics and Autonomous system from 10th to 11th April 2017, organized by the Dept. of ECE in association with IEEE RAS & WIE. Totally 22 Faculty Members and one Research scholar's from 8 engineering colleges and 1 polytechnics benefited through FDP.



Technical Meet

The IEEE RAS & Department of ECE St. Joseph's Institute of Technology, organized a Technical meet on "Intelligent Automotive Vehicle" on 1.04.2017-by Dr.Dillip Limbu ,Mr.Derrick Loh MooVita Pte 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.



Short Training Program

IEEE RAS & WIE society organized a short-term training program on Arduino and proteus software that was held on every Thursday of the week. A total of 55 students attended the training and were tremendously benefited.

Technical Seminar

The seminar was conducted by IEEE RAS out on 30/01/2017. A technical seminar was conducted once by every participant lasting for five minutes. The second round was a competition between the first round winners. The topic given for the Technical speakers was Advancement in Medical Electronics.

