BEST POSTER AWARD

NAME: Ms. SANTHOSHI GAYATHRI T (IV ECE - C)

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.

ROBO WAR

IEEE CHAPTER ACTIVITIES

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.

ELECTRONICS & COMMUNICATIONS ENGINEERING

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.

STUDENT INNOVATION CENTRE

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.
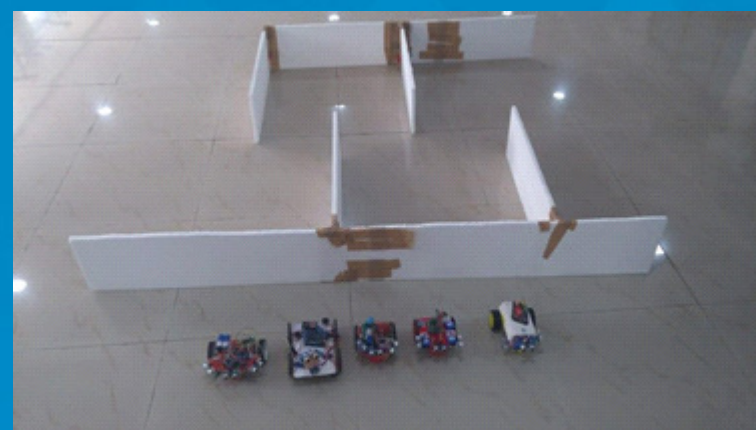
Smart Kitchen with inventory monitoring and management using IOT

The project provides a platform for automatic ordering of the grocery for the Kitchen. It deals with an improvised safety measures in case of the gas leakage.

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 monitoring using IOT "

EDITORS:

Staff Editor:

Mr. D. SURESH, M.E

Assistant Professor / ECE

"GREAT THINGS IN LIFE IS NEVER DONE BY A SINGLE PERSON. THEY ARE DONE BY A TEAM OF PERSON"

-Steve Jobs

LEARNATHON

St. Joseph"s Institute of technology has the resource capacity (of 100 members per batch) to meet the Learnathon needs such as 24 hrs online event without any kind of interrupt with all available basic needs. The goal of the Learnathon was to have students sign up for an online learning platform, explore a given technology, and use a gamification element to incentivize them to learn. With Salesforce-skills in such high demand, it was chosen as the technology partner making Trailhead - the fun way to learn Salesforce. With online, guided, hands-on learning paths and easy to understand content, Trailhead empowers everyone to learn the skills they need, at their own pace, regardless of gender, background, culture or lifestyle. In addition to covering a wide variety of in-demand technical skills, Trailhead also helps to develop the soft skills needed for more well-rounded, career-ready professionals.For such a diverse event, Trailhead was chosen to be the power behind the "New India Student Championship 2018" - the largest Learnathon of its kind ever to be held in the country. With an aim to inculcate the practice of self-learning among the students, the learnathon, which started at 12 noon on 2.2.2018 (Friday) and got over by 12 noon on (3.2.18), Saturday, was conducted in about 100 colleges across the country with about 10,000 students participating in it. Mr.T.Ganapthy, III Year, Department of Electronics and Communication Engineering topped among all other students of various department.

NGO VISITS EVEN SEMESTER

CLASS	ORGANIZATION
II YEAR ECE A	HAPPY HOMES
II YEAR ECE B	ANBU ILLAM
II YEAR ECE C	ANNAI ILLAM
III YEAR ECE A	KAAKUM KARANGAL
III YEAR ECE B	

ELECTRONICS & ROBOTICS CLUB

The main objectives of our club are:
- To explain the concepts of electronics in a practical way and help them to gain knowledge.
- To provide a platform for the students to give a shape to their innovative ideas.
- To expose the students to the latest technological advancements in the field of electronics.
- To provide the students with thought provoking questions & makes them to think about it.
- To form a discussion boards on latest trends of electronics which indeed improve their communication skills

In order to motivate the student's talent through the Department Club Activity, we have conducted various technical events for ECE Students.

EVEN SEMESTER

S.NO	NAME OF STUDENTS	YEAR & SECTION	NAME OF THE EVENTS	PLACE WON
1	GOWTHAM V	II ECE-A	ROBO WAR (Obstacle Avoiding Robot)	I
	DANNY SOLOMON N	II ECE-A		
	DHANESHWAR M	II ECE-A		
2	DEEPIKA R S	II ECE-A		II
	GOWDHAMI T U	II ECE-A		
	KANNIKA M	II ECE-B		
3	HARISH KUMAR K	II ECE-B		III
	KISHORE KUMAR K	II ECE-B		

IEEE STUDENT CHAPTER

The department strives to improve the standards of student members For the benefit of IEEE Student members; the society organizes technical meetings, technical events, and technical seminars, Conferences, Workshops and Faculty Development Programs to empower the knowledge of the students. We have also conducted various technical events for ECE.

Total Number of Student Members in IEEE= 100 Students

S.NO	YEAR	TOTAL NO OF STUDENTS
1.	IV ECE	02
2.	III ECE	50
3.	II ECE	48

Total Number of IEEE Societies are:

S.NO	NAME OF THE SOCIETY
1.	IEEE RAS
2.	IEEE EMBS
3.	IEEE BTS

Events conducted:

1. **Technical code contest on Arduino held on 29th January 2018**
2. **Treasure Hunt on Electronics held on 25th February 2018**
3. **Technical code contest on Arduino ii held on 29th February 2018**

Papers Published in Journals & Conference By Students
Publications in Journal
International level

1. Samuel Bryan Saynik published a paper titled "Monitoring and Control of Domestic Gardening with Feedback System using IOT" in the International Research Journal of Engineering and Technology(IRJET) Volume No.5, Issue-3, on March 2018.
2. C. Neeraja& N.S Madhura published a paper titled "Low Crosstalk DWDM Photonic Demultiplexer" in the International Journal Of Innovation In Engineering Research & Management, Volume 5, No 2 2018, ISSN: 2348-4918.
3. Ram Prasath M & Santhosh Kumar V published a paper titled "Vehicle to Vehicle Communication for Collision Avoidance using Zigbee" in the International Journal of Science and Innovative Engineering & Technology V-8 ISBN No 978-81-923607-3-7.

INDUSTRIAL VISITS (2017-2018) EVEN SEMESTER

Industrial Visits are from time to time being arranged by our college for all the students to interrelate on a consistent basis with Industries and top software companies

S.NO	YEAR&SEC	ORGANIZATION
1.	III year (A, B & C)	BHARATH HEAVY ELECTRONOICS LTD,BANGALORE
2.	II year (A, B & C)	NIPPO INDUSTRIES,NELLORE

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. The following are the guest lectures held:

S.NO	TOPIC	BENEFICIARIES
1.	Recent technologies in IOT	II, III Year students and faculties
2.	Fastest line follower	
3.	Applied Electromagnetic For Electronics Engineer	
4.	IOT in Agriculture	
5.	4G Communication the future technology	
6.	Recent Trends in Computer Network	