

# **M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY**

Siruganur, Tiruchirappalli – 621 105

## **Department of Electronics and Communications Engineering**



### **Department Newsletter – June 2021** **Vol.No.3, Issue No.2**

#### **INSTITUTION VISION**

“To be a reputed institution that fosters excellence in education, research, and innovation while upholding the highest standards of ethics and social responsibility.”

#### **INSTITUTION MISSION**

1. To provide a comprehensive education that prepares students for successful careers.
2. To foster a culture of research and innovation that drives progress.
3. To collaborate with industry partners to provide practical experience for students.
4. To promote ethical behaviour and social responsibility among our community.
5. To empower strong communication and leadership skills through open collaboration.



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### PEOs

**PEO1:** To equip graduates with a strong foundation in theoretical knowledge and practical skills in Electronics and Communication Engineering, enabling them to succeed in their careers.

**PEO2:** To develop graduates' research and innovation skills in Electronics and Communication Engineering, enabling them to contribute to cutting-edge technologies.

**PEO3:** To prepare graduates for real-world challenges in Electronics and Communication Engineering by providing practical experience through collaborations with industry partners and leading organizations.

**PEO4:** To instil ethical behaviour and social responsibility in graduates, with a focus on environmental sustainability, and social impact, enabling them to contribute to a better society as Electronics and Communication Engineers.

### PSOs

**PSO1:** Apply the fundamental principles of Science, mathematics, and Engineering to design and develop semiconductor technologies, high speed communication, and Sensor based embedded systems.

**PSO2:** Analyze and optimize the performance of Electronic Design System, Signal Processing, Communication system and Networks using appropriate tools, techniques and software

### Events

Webinars

### Student Activities

Webinar by students  
Alumnus webinars  
Research Activities  
Student of the year  
Articles

### Faculty Activities

Workshops attended  
FDP attended  
Conferences Attended  
Papers presented  
Articles

### Achievements

Innowah '2021 winners

### Vision

"To be a leading department that promotes excellence in electronics and communication education, research, and innovation, instilling ethical values and social responsibility in our graduates."

### Mission

- To provide a comprehensive education that prepares students for successful careers in Electronics and Communication Engineering, with a strong emphasis on theoretical knowledge and practical skills.
- To foster a culture of research and innovation in Electronics and Communication Engineering, encouraging students and faculty to pursue cutting-edge technologies.
- To collaborate with industry partners and leading organizations to provide practical experience for students in Electronics and Communication Engineering, preparing them for real-world challenges.
- To promote ethical behaviour and social responsibility among our community of Electronics and Communication Engineering students, with a focus on environmental sustainability and social impact.
- To empower strong communication and leadership skills among our Electronics and Communication Engineering students through open collaboration, teamwork, and professional development opportunities

### Highlights

- Dr.G.Haridoss, vice-principal MAMCET defended his thesis and was awarded Doctoral degree in Information and Communication Engineering
- Students team mentored by Prof.Jency Rubia got first prize in Innowah 2021
- Dr.E.Vinodha and Prof.Bokhari submitted proposals for Rs.1,25,000 in PALS RuTAG project and got selected
- Prof. Jency Rubia was awarded Young Researchers award

### Winner in Innowah'2021 – Students project contest conducted by PALS



**Standing (L-R):** A.Sivaranjani, II yr ECE, G.Renuga, IV yr ECE, Prof.J.Jency Rubia, A.Sebasti Winslin, IV yr ECE and M.Kavitha, III yr ECE.

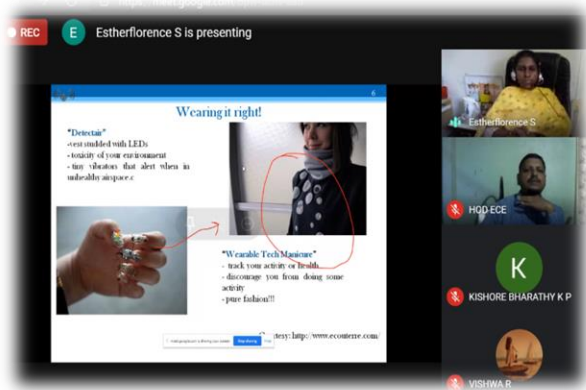
**Sitting (L-R):** Prof. B.SyedMoinuddin Bokhari, HoD/ECE, Dr. G. Haridoss, Vice Pprincipal, Dr. X. Susan Christina, Principal, Dr. B. Annette, Dr. E. Viondha

A Team comprising of students from II year, III year and Final year ECE participated in the Virtual project exhibition contest Innowah'21 conducted by PALS IITM Chennai. They bagged the First prize for their project presented in the contest entitled "Detection and Spread Avoidance Of Corona Virus Using IoT Smart Door System" which was conducted online on March 20th, 2021. The project was mentored by Prof.J.Jency Rubia, Prof. B.Syed Moinuddin Bokhari and Dr.E.Vinodha. Cash prize of Rs. 18,000 was awarded to the team members.

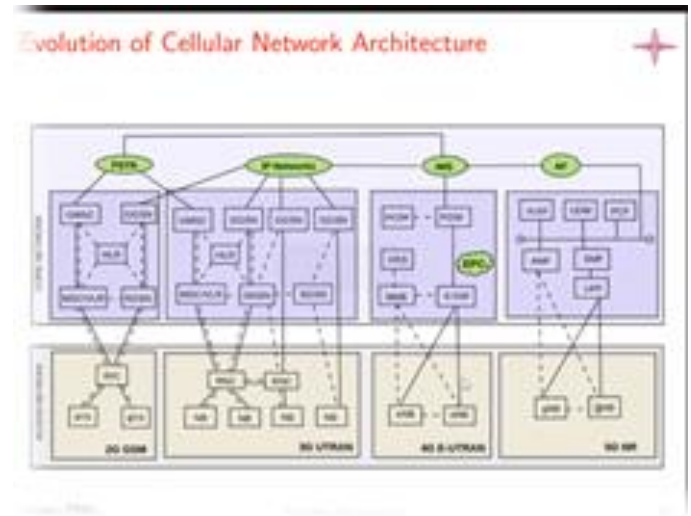


## WEBINARS CONDUCTED DURING JULY 2020 TO JUNE 2021

- ❖ Dr. S. Esther Florence, Associate Professor, SSN College of Engineering, Chennai delivered a talk in the webinar on the title "EM Interference and Compatibility Studies due to On-body Antennas and Sensors" on 27-02-2021.



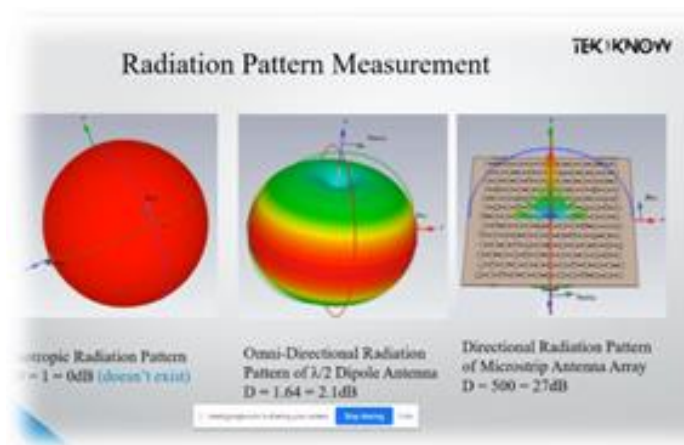
- ❖ Dr.Prabhu Chandhar, director of Chandhar Research Labs Pvt Ltd, Chennai, was the resource person for the webinar "5G cellular and drone communication systems".



## MAMCET-ECE Alumnus @ Webinars

- ❖ Ms. Rafridevi and Ms. Bhuvanewari (Alumni), Mr. Cooper Company, Chennai delivered a talk in the webinar titled "Success Behind the Toastmasters Club " on 13-03-2021.
- ❖ Miss. Kalaiyarasi K, Project Manager, Tekiknow Technologies, Chennai, delivered a talk in the webinar on the title "Anechoic Chamber Measurements- An Overview" on 05.06.2021.

- ❖ Mr. Shree Balaji (MAMCET Alumnus), Founder & Managing Director, Hilife.ai Pvt. Ltd., delivered a talk in the webinar on "INNOVATION FOR STARTUPS" for aspiring young minds who are looking for entrepreneurial initiatives on their way to success.



## WEBINAR BY STUDENTS

- Miss. R.Vishwa and Miss.A.Sivaranjani, of II year, ECE Department, delivered a talk in webinar on the title "Propel your career with technology" on 12.06.2021 to the school students. The webinar was an eye-opener to all the participants with respect to their career decision. School students interacted well with the student speakers.



## MOTIVATION DURING COVID-19

- A Webinar talk on "Staying Motivated to study during COVID-19" was handled by Behavioral Specialist & Founder- Director, Ms. Arthi Mangalam Jayaraj, Learning Advantage, Kanchipuram on 08.05.2021.

## Participation in UEF - WORLD SUMMIT

- Faculties Prof. B.Syed Moinuddin Bokhari, Prof. M. Syed Abdul Salam, Prof. S. Kavitha and students A. Salim, M. Mohamed Asheef, J. Mohamed Riyas, H. Abdul Malik, M.Ahamed Batcha, Final year ECE, T. Aravind, R.Ramprakash of II year ECE successfully attended the United Economic Forum- World Summit 2020 conducted from 4th to 6th December, 2020.



## Faculty Achievements & Contributions

- ❖ Dr.G.Haridoss, Vice-principal, MAMCET defended his PhD thesis on March 3rd, 2021 and was awarded Doctrol degree in Information and Communication Engineering by Anna University, Chennai on April, 11th, 2021.



- ❖ Dr. E. Vinodha and Prof. Bokhari submitted project proposals with the title "Implementation of an accurate automatic rice grading machine" for Rs.1,25,000 in PALs RuTAG project and got selected.

## Faculty Participations

- ❖ Prof. Dr. E. Vinodha/Asso.Prof of ECE Department participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Nanomaterials, sensors and devices" from 21.9.2020 to 25.9.2020.
- ❖ Prof. S. Kavitha/Asso.Prof of ECE Department participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Telemedicine" from 14.9.2020 to 18.9.2020.
- ❖ Prof. Devi Poonguzhali/Asst.Prof of ECE Department participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Wearable Devices" from 30-11-2020 to 4-12-2020 at Karunya Institute of Technology and Sciences.

- ❖ Prof. B. Syed Moinnudin Bokhari/Asso.Prof & Head of ECE Department published paper titled "On the use of graphene for quad-band THz microstrip antenna array with diversity reception for biomedical applications" in Springer.

Young Researcher Award (2020-21) from I2OR Awards

Prof. J. Jency Rubia



Prof. J. Jency Rubia has been awarded International Young Researcher Award 2020-21, from I2OR Awards 2020 for her achievements in research publications.

- ❖ Prof. Jency/Asst.Prof of ECE Department participated and successfully completed two days' workshop on "Modeling of SoC using Xilinx Vivado Tools" from 18-12-2020 to 19-12-2020 at PSG College of Technology, Coimbatore.
- ❖ Prof. Jency/Asst.Prof of ECE Department participated online training on full custom and semi custom design flow in VLSI using cadence tool held from 29.04.2021 to 30.04.2021 conducted by Department of Electronics and Communication Engineering, BSACIST & Entuple Technologies, Bangalore.

## Strides Training

Strides training was conducted by Mr.Stephen and his team. Mr.Princeley was the mentor and coordinated the soft skills programme for the First year ECE with Prof.S.Devi poonguzhali , Class coordinator of First year ECE.

### Editorial Board::

Dr.B.Syed Moinuddin Bokhari,  
ASP, ECE Department

Prof.S.Rajasekar, AP, English  
Department

Selvaganapathi ,III yr ECE

R.Madhumitha , II yr ECE

## Upcoming Events

- **PALS Innowah 2022**  
Prof. J. JencyRubia will coordinate the Innowah project from the Department of ECE. One project is to be shortlisted out of four.
- **Webinars 2021-22**  
Both technical and non- technical Webinars were planned from ECE department for the academic year 2021-22.
- **ECASTLE Inauguration**  
ECASTLE - ECE Association and ISF Inauguration is planned.
- **Symposium**  
ECASTLE-TECHFEST'21 is planned to be conducted.
- **Faculty/Student Participations**  
Faculty and student participation in various events and activities.

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