

M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Tiruchirappalli – 621 105

Department of Electronics and Communications Engineering



Department Newsletter – June 2020 **Vol.No.1, 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.

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

IACC'2019
Webinars

Student Activities

Internships
Co-curricular Activities &
Extra-curricular Activities
Placement Details
Research Activities
Student of the year
Articles

Faculty Activities

Workshops attended
FDP attended
Conferences Attended
Papers presented
Articles

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."

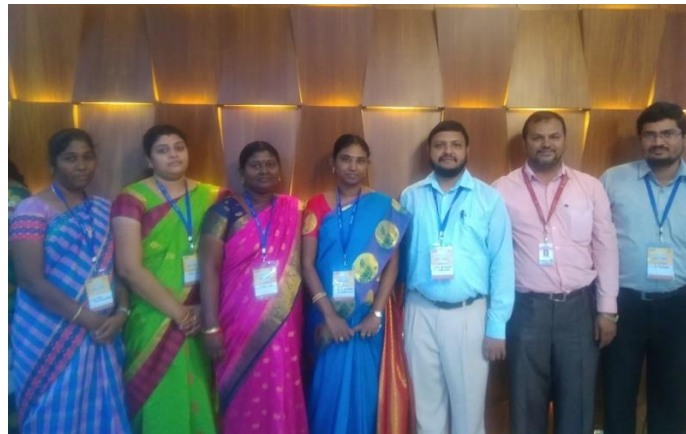
Mission

- 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

- Project and paper submission in IACC2019
- 14 webinars were conducted during pandemic from May 2020 – June 2020 which includes MAMCET- ECE alumnus
- TNSTC project submission
- Final year students became entrepreneurs and launched a start up Hi-Life.ai at Trichy
- Collaborated with Bennett university, Greater Noida and accomplished projects based on "Disease detection in paddy using image processing" from 2018 to 2020.

IACC'2019 – International Advance Computing Conference' 2019



Left to Right: Prof.S.DeviPoonguzhali; Prof. Anju S Nair; Prof.S.Kavitha; Dr. E. Vinodha; Prof. B. SyedMoinuddin Bokhari; Prof.M.Syed Abdul Salam; and Prof.G.Rajesh

Poster presentation was done by the faculty team in IACC' 2019 in the topic Deep learning models organized by Bennette University, Greater Noida and conducted by the Department of CSE and IT, M.A.M. College of Engineering and Technology, Trichy on December 13th and 14th, 2019. The core team also collaborated with university and accomplished project submission from 2018 to 2020 entitled "Disease detection in paddy using image processing".

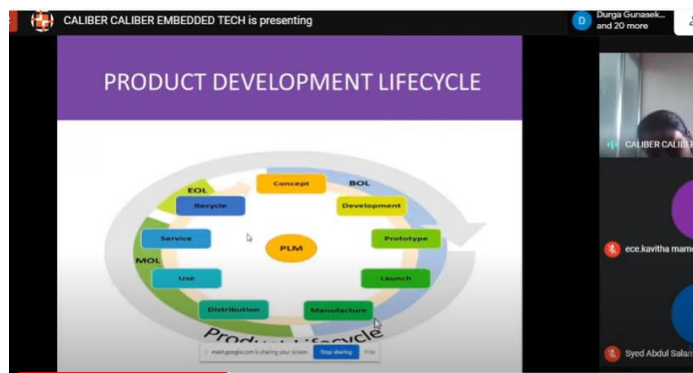
WEBINARS CONDUCTED DURING PANDEMIC FROM MAY 2020 TO JUNE 2020.

- ❖ A webinar on the theme “**Electronics-the Elixir for Environmental Engineering**” was conducted on 18th May, 2020 with the Outcome to envision the technical aspect of our own environment system. The resource person for the webinar was **Mr. Mohamed Muhsin.T.C Project Manager & Application Specialist, Earth Link and Advanced Resources, Dubai, UAE.**



- ❖ On 19th May 2020, conducted webinar on the theme “**Soft skills for employability in IT & Non IT Companies**” with the Outcome of Interview tips for Core and IT company jobs. The resource person for the webinar was **Mr.Nachiappan Venkatesh, Assistant Manager, Sourcing and Procurement Operations, Hyderabad.**
- ❖ A webinar on the theme “**Technology and Trends in VLSI Design Industries – A placement approach**” was conducted on 20th May with the Outcome of Awareness on VLSI design industries and its career scopes. The resource person for the webinar was **Mr. Balaji Prabhakar, Vice President, P2FSEMI, Bengaluru**
- ❖ On 23rd May 2020, conducted webinar on the theme “**Top 10 Employability Skills**” with the Outcome of Interview tips for employability skills. The resource person for the webinar was **Mrs.G.Dhanalakshmi, Senior Process Associate, Tata Consultancy Services, Bengaluru.**

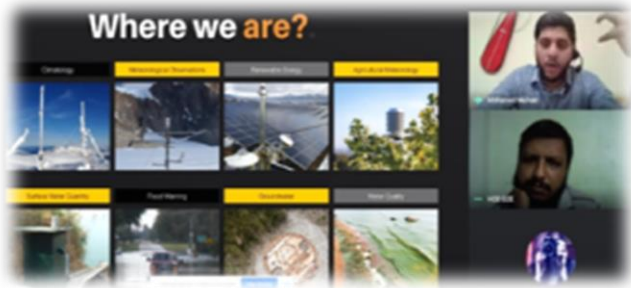
- ❖ A webinar on the theme “**Current Technologies in Mobile Communication**”, was conducted on May 26th 2020 with the Outcome of Knowledge on practical aspects of Telecommunication and IP networks. The resource person for the webinar was **Mr.H.Mohamed Azeem, IP Engineer, Nokia, Malaysia.**
- ❖ On 27th May 2020, conducted webinar on the theme “**Opportunities in Electronics and Protocols**” with the Outcome of Career opportunities to ECE candidates in electronics product development companies and software companies. The resource person for the webinar was **Mrs.VimaladeviPartiban, HR Manager, Caliber Embedded Technologies India pvt Ltd, Coimbatore.**



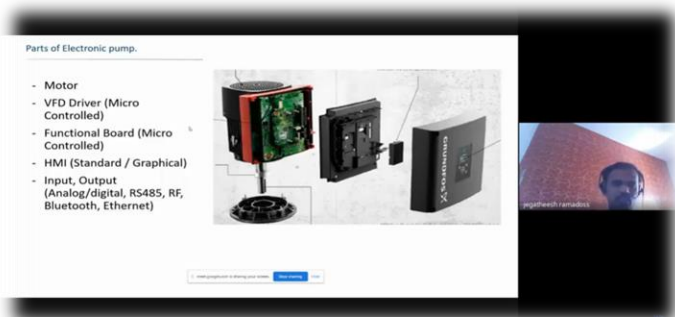
- ❖ On 28th May 2020, conducted webinar on the theme “**Introduction to High Performance Software Systems**” with the Outcome of Knowledge on quality attributes of a software & software system requirements and expectation of the software companies presently. The resource person for the webinar was **Mr.DhavakumarAmarantharajan, Junior Engineer, IVTLInfoview Technologies Pvt.Ltd.,.**
- ❖ A webinar on the theme “**Electronics-the Elixir for Environmental Engineering**” was conducted on May 30th, 2020 with the Outcome To envision the technical aspect of our own environment system. The resource person for the webinar was **Mr. Mohamed Muhsin.T.C Project Manager & Application Specialist, Earth Link and Advanced Resources, Dubai, UAE.**

MAMCET-ECE Alumnus @Webinars

- ❖ A webinar on the theme “Industrial Automation” was conducted on June 1st, 2020 with the Outcome To Awareness on career opportunities of industrial automation. The resource person for the webinar was **Mr. Jegatheesh Ramadoss, Lead Engineer-SW development, R&D GRUNDFOS, Chennai.**



- ❖ On 2nd June 2020, conducted webinar on the theme “Incredible Engineering- A walk through IoT” with the Outcome of Knowledge on Internet of Things and its current scenario and its future. The resource person for the webinar was **Mr. Muneer Ahamed, Software Engineer, Intel Corporation, Bengaluru.**
- ❖ A webinar on the theme “Sensor Engineering for COVID 19 Pandemic” was conducted on June 6th, 2020 with the Outcome of Knowledge on sensors used, their principle of operation in the detection of symptoms of COVID 19 pandemic. The resource person for the webinar was **Dr.A.Balaji Ganesh, Dean R&D, Qualified Patent Agent, Velammal Engineering College, Chennai.**



- ❖ On 8th June 2020, conducted webinar on the theme “Image processing for Agricultural applications” with the Outcome of Knowledge on unmanned machines in agricultural operations and drones used for various agricultural activities. The resource person for the webinar was **Dr.S.Daniel Madan Raja, Associate professor, Department of IT, Bannariamman Institute of Technology, Sathyamangalam.**
- ❖ A webinar on the theme “Small is wonderful – Role of nanotechnology in COVID-19” was conducted on June 11th, 2020 with the Outcome of Knowledge on contemporary issues and their solutions obtained through nanotechnology. The resource person for the webinar was **Dr.JaisonJeevanandam, Research Faculty, CQM – Centro de Quimica da Madeira, universidade da Madeira, Portugal.**
- ❖ On 13th June 2020, conducted webinar on the theme “Nuts and Bolts of RF Engineering” with the Outcome for Knowledge on basics of Electromagnetics, Circuit theory and RF fundamentals. The resource person for the webinar was **Mr.Mohammed Faizal, RF Engineer, Taiwan.**

Students Activities

Internship Details

- K. Shree Balaji, Final year ECE attended Internship at Bennette University , Greater Noida from 25/05/2019 to 06/07/2019.
- A.Salim , Third year ECE attended Internship at Gamesa Wind Turbines Private Limited, Chennai from 08/06/2019 to 20/06/2019.
- S. Surya, E. Abirami, M. Mathiyozhi, S. Deepalakshmi, C. Subhashini, V. Anushiya, A.K. Dhivya, J. Bharathi of third year ECE attended Internship at VESTIAN Global Workplace Services Limited, Bangalore from 27/05/2019 to 31/05/2019.

Cocurricular and Extra curricular activities

- M . Ahamed Anas Arslan, K. Shree Balaji, Gokul of final year ECE won 1st prize in project expo at Hindustan institute of technology, Coimbatore on 21/08/2019.
- M. Ahamed Anas Arslan, Gokul, Muralidharan of final year ECE won second prize in paper presentation at Hindustan institute of technology, Coimbatore on 21/08/2019.
- Vaitheki, Venkateshaiya, Mohana, Prabakaran, Pooveni of third year ECE attended Tinakathon workshop at MEPCO Schlenk Engineering college, Sivakasi on 23/08/2019.
- Pooveni of third year ECE secured first place in TINKATHON conducted by Through IIT PALS, Chennai on 04/08/2019.
- A. Salim, Manikandan. S and Lakshmanan of third year ECE Attended INFYTQ Programme from 07/08/2019 to 14/08/2019 through Infosys Campus Connect.
- A .Vishwa of final year ECE attended Innowah QA session 27/08/2019 at Thiyagaraja Engineering College, Madurai.
- A one day "World biggest International hands on IoT and ethical hacking workshop" was attended by K. Shree Balaji and V. Rahul of final year ECE on 30/09/2019.
- K. Shree Balaji , A. Vikram of final year ECE and R.Venkatesaiya, S. Prabhakaran of third year ECE participated in the volley ball tournament of Anna University zonal match conducted on 25/09/2019 to 26/09/2019 and got selected upto semi finals.
- Ahamed Anas Arslan, Gokul, Muralidharan, Prasanna of final year ECE, Kishore Bharathi. K. P, Mohamed Asheef M, Abdul Malik. H and Kavitha. M of second year ECE participated in the project contest conducted by EYANTRA on 27/09/2019 and completed level II . They got selected upto finals.
- Bhuvaneshwari. M (IV ECE) and Rahul. V (IV ECE) went for school presentation at Government Girls Higher Secondary School, Manachanallur to give awareness on TQI scholarships on 04/10/2019.
- S. Yuvaraja (I M. E VLSI) attended STTP on Advanced power Electronics control of Integrated Energy Sources from 14/10/2019 to 19/10/2019 at Rajeev Gandhi Memorial college of Engineering & Technology, Kurnool, Andhra Pradesh.
- Antony Shamini Tigisha, Sindhu Bairavi, Sathya of M. E VLSI Design- second year, Dineshkumar. P M. E VLSI Design- first year attended One day seminar on "Recent Developments in industries & Evolution of Industrial 4.0" by Dr. Duraiselvam, NITT conducted by K. Ramakrishnan College of Technology, Samayapuram, Trichy on 18/10/2019.



Faculty Contribution

The following faculties submitted TNSTC sponsored project along with final year students:

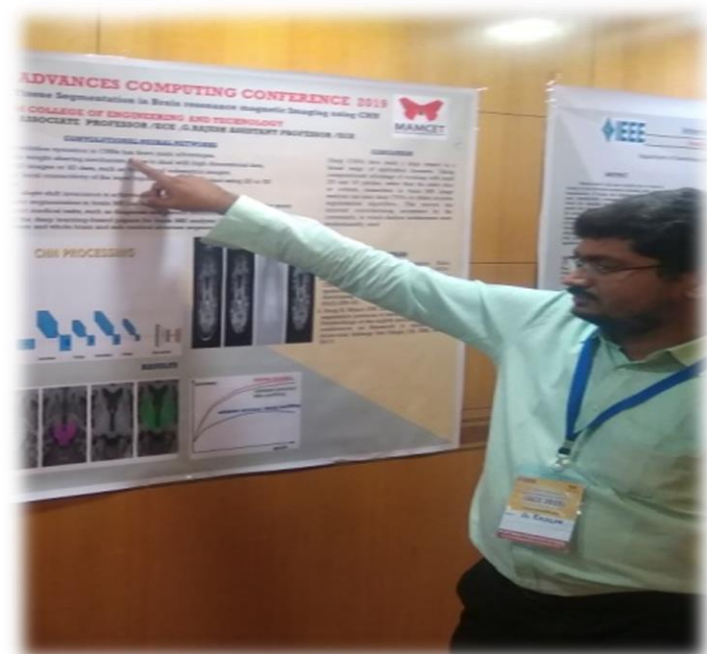
- ❖ Prof. M. Syed Abdul Salam & K. Prasanna - IV ECE " Smart Bin"
- ❖ Prof. P. KathirkamaSundari& K. Rahul - IV ECE "Heart Disease Prediction using Machine Learning"
- ❖ Prof. K. Karpoorasundari& K. Shree balaji – IV ECE " An autonomous application for water disease prediction through symptoms using deep learning"
- ❖ Prof. M. Syed Abdul Salam & D. Selvakumar - IV ECE Preparation of BioPlastics from "Elephant Foot Yarm"
- ❖ Prof. V. Kavitha & C. Vijayalakshmi & A. Abarna – IV ECE "Pump it up:Data mining the water table".
- ❖ Prof. S. Kavitha & Cathrin, Ezhilpavai- IV ECE "Water Management & Water wastage monitoring system using IOT"

Student Contribution

- ❖ K. Shree Balaji, V. Rahul, R. Rafridevi, M.Bhuvaneshwari published the article in Medium.Com entitled "Pump it up: Mining the water points using X-GBoost classifier" on 18/08/2019.

Faculty Participations

- Prof.K.Karpoorasundari , Prof.S.Kavitha , Prof J.Anju Anil Conducted one day hands on session on "Fundamentals in LABVIEW" on 02/08/2019.
- Prof.Syed Abdul Salam attended Workshop on " Optic fiber technology & photonic integrated devices for communication and industrial application from 09/08/2019 to 10/08/2019 at NIT Trichy.
- Prof. S. Kavitha, Prof. Kathirkamasundari attended FDP on "Wireless communication and signal processing" under margadarshan scheme from 19/08/2019 to 23/08/2019 at NIT, Trichy.
- Dr. E. Vinodha and Prof. G. Rajesh attended IEEE conference meeting at Anna University, CEG campus, Chennai on 24/08/2019.





Placement Activities

- T. Muralidharan, D. Rajkumar of final year ECE got selected in Eurocast Engineering, Coimbatore on 25.09.2019.
- N. Monisha, M. Bhuvaneshwari, A. Senbagam, T. Madumitha, R. Rafridevi, C. Vijayalakshmi, S. Heera, N. Vinitha, S. Sujapriya, G. Ezhilpavai, V. Rahul and S. Siva balan got selected in Mitsuba sical India private limited, Chennai on 13.09.2019.
- Sivabalan, Arjunan and Prasanna of final year ECE got selected in Lakshmi Vilas Bank on 05/09/2019.
- Selvakumar, Rahul, Shree Balaji. K, Yogesh, Ahamed Anas Arslan, Arjunan, Gokul, Prasanna, Vikram, Manikandan. R, Pasupathi and Rajkumar of final year ECE got selected in Impulse group, Chennai as Engineer trainee on 19/09/2019.



Student of the year (2019-20)

K. Shree Balaji

Internship attended : 3

Papers presented in the symposium: 4

Papers presented in the conference: 2

Online courses attended: 4

He has initiated the start-up with the name Hi-Life.ai. He has got support and funds from central government for setting up the start-up.



Skill Development Programmes

Online Soft skills programme for students of ECE was conducted by our Alumnus, Dhanalakshmi, Hepsy Pricilla and V. Nachippan through a special webinar session during May and June 2020.

Editorial Board::

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

Prof.S.Rajasekar, AP, English
Department

Kishore Bharathy ,III yr ECE

Selvaganapathi , II yr ECE

Upcoming Events

- **PALS Innowah 2021**

Prof. J. JencyRubia will coordinate the Innowah project from the Department of ECE. One project is to be shortlisted out of four.

- **Webinars 2020-21**

Both technical and non- technical Webinars were planned from ECE department for the academic year 2020-21

- **Strides training**

Soft skills training for first year ECE by STRIDES/

- **UEF Forum**

Faculty and student participation in UEF forum/

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