

Department of Electrical and Electronics Engineering



Tesla, Inc. (/ˈtɛslə/ *TESS-lə* or /ˈtɛzlə/ *TEZ-lə*^[a]) is an American electric vehicle and clean energy company based in Palo Alto, California, United States, with plans to move its headquarters to Austin, Texas. Tesla designs and manufactures electric cars, battery energy storage from home to grid-scale, solar panels and solar roof tiles, and related products and services. In 2020, Tesla had the most sales of battery electric vehicles and plug-in electric vehicles, capturing 16% of the plug-in market (which includes plug-in hybrids) and 23% of the battery-electric (purely electric) market. Through its subsidiary Tesla Energy. Tesla Energy is also one of the largest global suppliers of battery energy storage systems, with 3 gigawatt-hours (GWh) installed in 2020. In September 2021, the National Highway Traffic Safety Administration (NHTSA) ordered Tesla to submit data pertaining to all sold US vehicles equipped with Autopilot.



MARGDARSHAN SCHEME-FDP

A 5-day Faculty Development Programme on “**Outcome Based Education**” sponsored by the AICTE Margdarshan Scheme was organised by NIT Trichy from 14th June 2021 to 18th June 2021. **Mrs.A.Mary Beula AP/EEE** attended the programme.

A 5-day Faculty Development Programme on “**Technologies for Smart Electrical Power Grid**” sponsored by the AICTE Margdarshan Scheme was organised by NIT Trichy from 24th May 2021 to 28th May 2021. **Mr.A.Rathinavel AP/EEE** attended the programme.

This issue contains

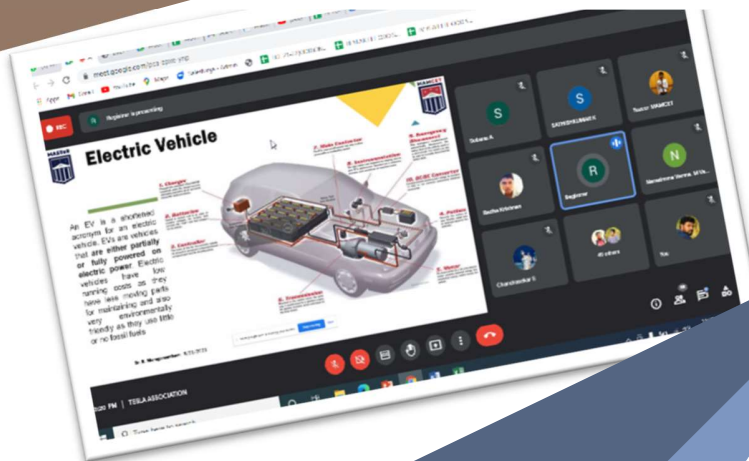
- Faculty Achievement
- Student Achievement
- IIT Research Park
- Hands on Training
- PALS Activity
- Placement Details

A 5-day Faculty Development Programme on “**Perspectives of teaching power systems**” sponsored by the AICTE Margdarshan Scheme was organised by NIT Trichy from 17th May 2021 to 21st May 2021. **Mrs.A.Mary Beula AP/EEE** attended the programme.

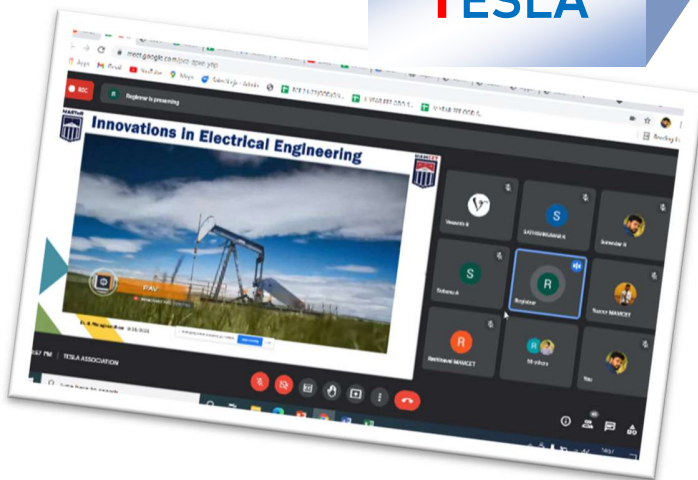


FDP- NIT

A one-week workshop on "PLC Programming using Micro 820 Controllers" was organised by the National Institute of Technical Teachers Training and Research at Chennai. This workshop was telecasted as a online webinar on 22nd Nov 2021. **Mr.N Mayavel AP/EEE and Mr. A Rathinavel AP/EEE** attended the programme and were highly benefited.

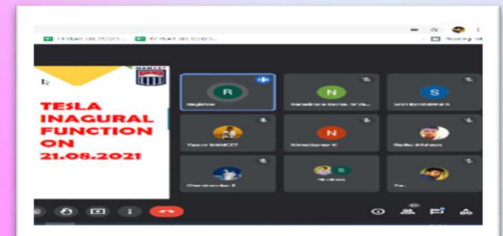


TESLA



Inaguration of TESLA

Inaguration function of EEE department Association TESLA was inaugurated on 21.08.2021. As a part of this inaugural event, a webinar on 'Electrical Engineering for future Horizon' was conducted through Google meet platform. The session was handled by **Dr.B.Muruganantham, Registrar MAMCET**. A total of more than 80 participants attended that programme have the opportunity to enhance their knowledge in various types of power generation and its day to day life applications.



IIT INCUBATION CENTRE

As our college has signed MoU with IIT-M, Chennai, we inaugurated Incubation centre at MAMCET on 25.09.2021 by **Dr. Ashok Jhunjunwala Professor, IIT-M, Chennai**. The main goal of this club is to enhancing the technical knowledge of students in project development and research in various areas. so that, the students excel their novel ideas in a particular specialized area. Through this programme, students got more information regarding project development and entrepreneurship/start up. On behalf of our EEE department, students exhibited their project on hybrid vehicle. This programme was very informative and useful to all the students.

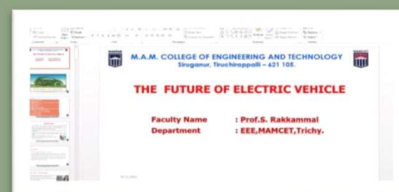
IIT Research Park

Our department faculty **Mr.M. Vinoth Kumar AP/EEE** and four EEE students visited IIT research Park at Chennai on 18.12.2021 and met **Dr. Ashok Jhunjunwala Professor, IIT** to study and observe the various research work carried out at IIT research park.



FDP - IEI

An online webinar hosted by our department head **Mrs.S. Rakkammal AsP** on 07.12.2021 about '**Future of E- Vehicles**'. The programme was organized by IEI/TLC. The main objectives of this programme was opportunities and challenges of Electric vehicles in future. IEI members and students were very actively participated. The session was more informative.



EMBEDDED CLUB

The Embedded club was inaugurated on 13.11.2021 under the Incharge of **Mr.M. Vinoth Kumar AP/EEE**. Around 200 students from various disciplines participated in this inaugural function. The main objectives of this club is to develop an embedded community with right skill sets, to establish a connect between technical minds for knowledge transfer and to carryout embedded projects for various national level competitions.

An online webinar presented by **Mr. SAHAYA JOSEPHRAJ, Deputy General Manager(HR), ONCC, Karaikal** on 05.06.2021 about **'Awareness on entrepreneurship/ startup'**. This programme was mainly focused on the basic concept of Startups and ideas regarding how to become an entrepreneur. The session was more informative. More than 80 students were actively participated and benefited.



An online webinar has taken by our department final year students **S.Ramkumar, M.Vidhya and S.Anitha** on 09.06.2021 about **'Energize Your Opportunity'** under the guidance Mr.M.Vinoth Kumar,AP/EEE. Both III and II Year EEE students actively participated in this event. This programme mainly focused on gap between schools and colleges by providing insight on a student's pathway into life after high school, scholarships and career prospects.



An online webinar on the topic **'Personality Development'** was conducted by our department final year students **S.Ramkumar, M.Vidhya and S.Anitha** on 25.06.2021 under the guidance of **Mr.R.Vadivelan AP/EEE**. Both III and II Year EEE students actively participated in this event. This program helps to gain confidence, self-esteem, positive impact on one's communication skills and also develop students outgoing and impressive personality that will enhance the quality of learning.



An online webinar has taken by our department alumni- 2017 **Mr. Mohamed Niyas** on 07.07.2021 about **'Income through online'**. The session was very useful for students career. The Live webinar session mainly explored the concept to discover the top ways to make money online with blogging, affiliate marketing, publishing ebooks and internet doing micro jobs.



WEBINARS

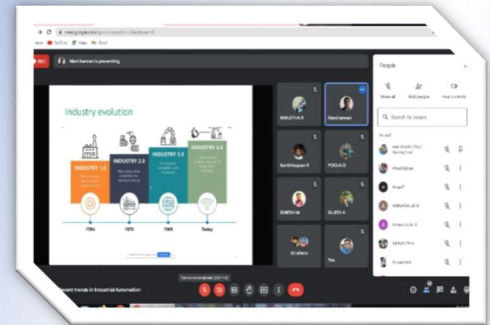
An online webinar on the topic '**Wireless LAN & Automotive Infotainment System**' was presented by **Mr. Naveenkumar Govindaraj, Tech Lead, Capgemini Engineering** on 28.08.2021. The main objectives of this program is to impart the importance of wireless communication system for specific application scenarios and insights into evolution and future scope of wireless communication systems. And also realize the necessity of design for interfacing external hardware to build working prototypes of different real world applications.



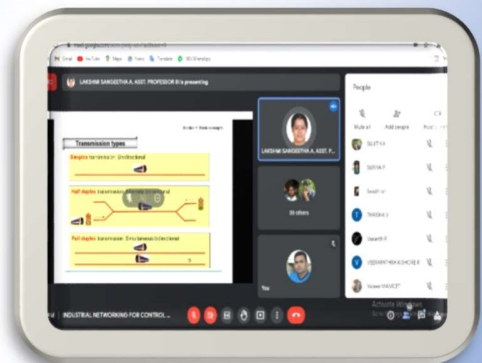
An online webinar has taken by **Er. Sivabalan Project Engineer, Gensol Solar Engineering Pvt Ltd** on 04.09.2021 about '**Erection and commissioning of Solar Panel**'. This programme mainly focused on the basics of design panels, erection and commissioning of solar panel with appropriate rating of equipments.

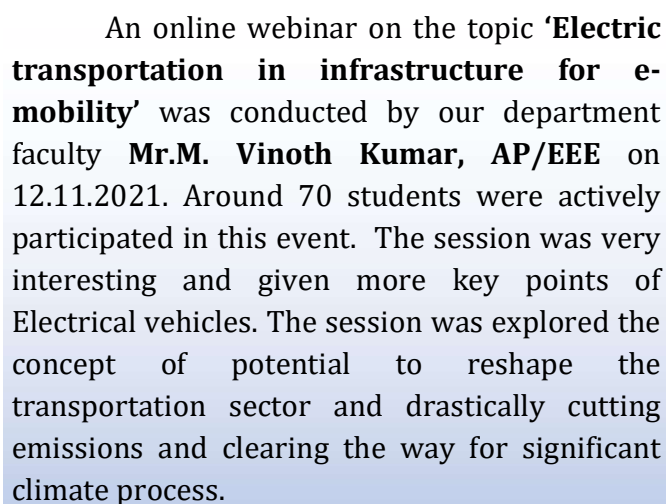
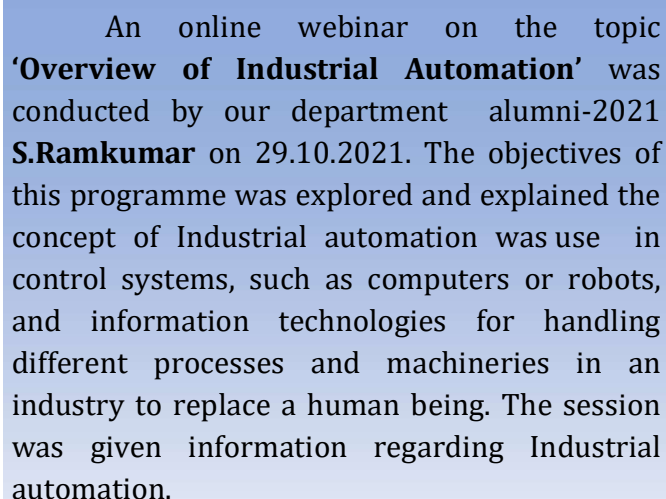
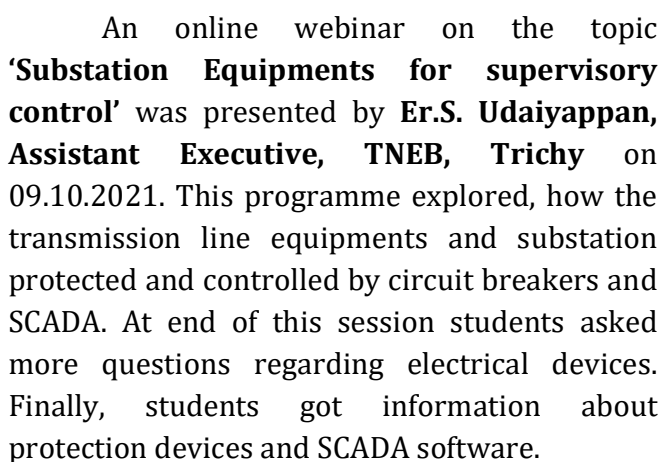


An online webinar on the topic '**Recent trends in industrial Automation**' was hosted by **Er. Manikannan, Team Manager, ABB Ability innovation center, Bangalore** on 02.10.2021. Both faculties and students actively participated in this event. The session was very informative and useful for students to enhancing their knowledge in electric field.



An online webinar on the topic '**Industrial Networking for Control and Automation**' was presented by **Dr.A. Lakshmi Sangeetha AP, Velammal Engineering College, Chennai** on 22.10.2021. This programme was very useful to knowing the Industrial Automation, manufacturing and process automation continues to increase rapidly due to the many benefits it provides.





An online webinar on the topic '**Challenges and Opportunities for Electric vehicle Adoption**' was organized by our department faculties **Mr.A. Rathinavel AP/EEE** and **Mr.N Mayavel AP/EEE** on 13.11.2021. The programme was highlighted the concepts of battery technology and E-Vehicles. Nearly 75 students were participated. The session was explored the main objectives of this programme very clearly.



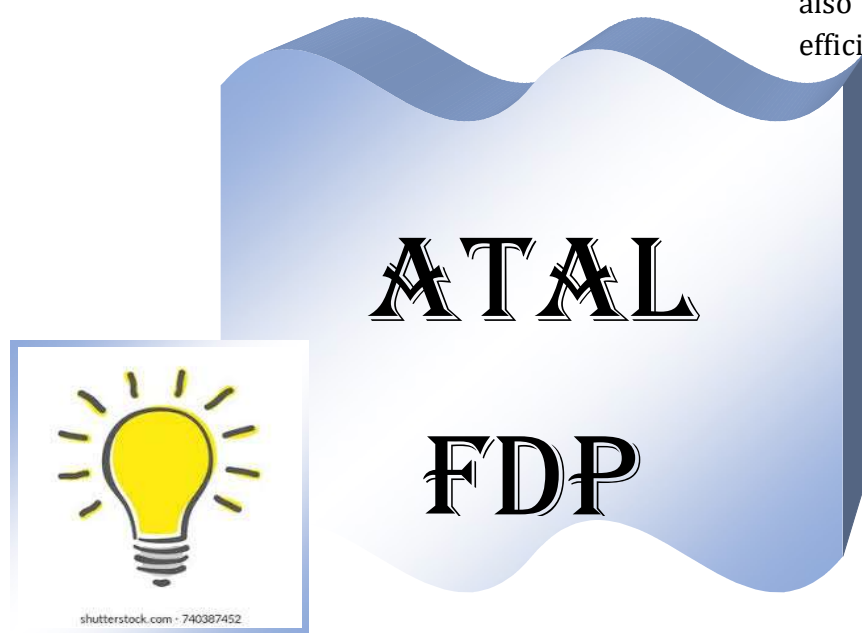
Hands on Training

Our Department of EEE organized a One-day hands on training on "**IoT based projects**" on **18th Sep 2021** for the II, III and IV year students. A total of 20 students from IV year and 55 students from II and III year were participated in the workshop. The IV year students were given an Introduction about Internet of things IoT and basic ideas about how to make a project in simple way. It was very useful to Pre-Final year students. All the students were gained knowledge on IoT projects through this training session.



ATAL FDP

⚡ A 5 days faculty development programme was organized by AICTE from 26.07.21 to 30.07.21. **Mrs.S RAKKAMMAL HOD/EEE** attended this programme on the topic of **“Electric Vehicle”**. In this programme they explored about challenges and opportunities of Electric vehicles, owners face several problems including lack of availability of public EV charging stations, range anxiety and lack of service stations.



~ A 5 days faculty development programme was organized by AICTE from 19.07.21 to 23.07.21. **Mr.N MAYAVEL AP/EEE** attended this programme on topic of **“Challenges and Opportunities for Electric Vehicle Adoption”**. The programme explored the concept of Electric vehicles (EVs) offer an opportunity to replace fossil fuels in the transport sector, Electrification of the transport sector can also bring benefits in terms of increased energy efficiency and reduced local pollution.

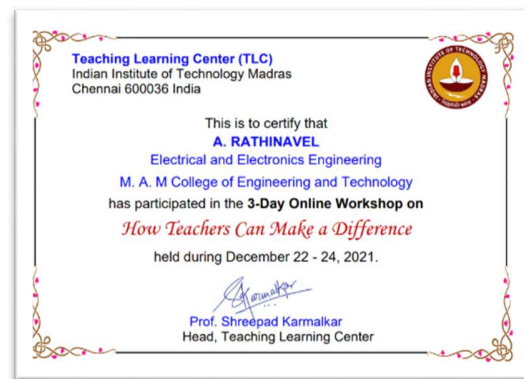
⚡ A 5 days faculty development programme was organized by AICTE from 19.07.21 to 23.07.21. **Mr.A RATHINAVEL AP/EEE** attended this programme on the topic of **“Challenges and Opportunities for Electric Vehicle Adoption”**. The programme explored the concept of Electric vehicles (EVs) offer an opportunity to replace fossil fuels in the transport sector, Electrification of the transport sector can also bring benefits in terms of increased energy efficiency and reduced local pollution.

⚡ A 5 days faculty development programme was organized by AICTE from 19.07.21 to 23.07.21. **Mrs.A MARY BEULA AsP/EEE** attended this programme on the topic of **“Green Technology for sustainable life: Indian Perspective”**. The objectives of this programme was Green technology for Indian perspective, Sustainable Energy technologies, Bio-energy systems, Wind, and solar integration in competitive power markets and Demand side management

⚡ A 5 days faculty development programme was organized by AICTE from 26.07.21 to 30.07.21. **Mrs.A MARY BEULA AsP/EEE** attended this programme on topic of **“Electric Vehicle”**. In this programme they explored about challenges and opportunities of Electric vehicles, owners face several problems including lack of availability of public EV charging stations, range anxiety and lack of service stations.

PALS -Workshop

The PALS Association organised 3-day workshop on the topic “How Teachers can make a Difference” from 22.10.2021 to 24.10.2021 **Mr.A.Rathinavel AP/EEE** attended the programme. The objective of this programme was Teachers can make a difference in the lifestyle of students' competence, stress, exam anxiety and pressures from all sides of life, to make a difference in the life of students, teachers should understand students and build trust in them.



Students Achievement:

New World Record

We proud to inform that V.Thrisha studying final year EEE in M.A.M College of Engineering and Technology has created a new world record by rotating silambam by walking for 2kms and 1hour in standing position trained by Master B.Gokulselvan. This event was successfully held on 24th October, 2021 at Illuppur, Puduthukotai (DT),Tamil Nadu,India. This title has been registered in panchabootha book of world records.



STUDENT ACHIEVEMENT

Our department II Year EEE student R.Karthikeyan has participated in National level Technical Symposium Robofez'21 on 11.10.2021 organized by Renganayagi Varatharaj College of Engineering, Sivakasi. He won first prize in the event of circuit debugging, Mind Scribbling and MEME bazar. He got e-certificate and worth of cash award of Rs.1500.



A. Deenathayalan II Year EEE has participated in National level Technical Symposium Robofez'21 on 11.10.2021 organized by Renganayagi Varatharaj College of Engineering, Sivakasi. He won first prize in the event of quiz programme. He got e-certificate and worth of cash award of Rs.500.



Placement Achievements : 2021-2022

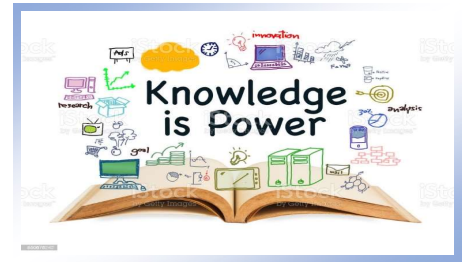


The placement details of Final Year EEE students (batch 2018-2022) were placed in various companies are listed below. Around 90% of the students got placement through on campus.

Final Year EEE : Batch 2018-2022

S:No	Company Name	Date	Name	Job Role	Salary
1	AGEAS FEDERAL (IDBI FEDERAL LIFE INSURANCE)	04-10-2021	Annamalai M	Agency Leader- Trainee	3.4 LPA
2			Beer Mohammad		
3			Daskeen K		
4			Divya Bharathi K		
5			Sathish Kumar K		
6	PROPELLER TECHNOLOGIES	19-10-2021	SURYA K	Learning Intern	7.2 - 2.4 LPA
7			SATHISH KUMAR K		
8	TECHVOLT SOFTWARE SOLUTIONS PVT LTD	13-11-2021	Divya Bharathi K	web developer	1.8 LPA
9	CSS ACADEMY - TRAIN AND HIRE MODEL	17-11-2021	KIRUBAKARAN T	Any Role	2.4 LPA
10			ABI R		
11			ANNAMALAI M		
12			DHIVYA BHARATHI K		
13			PRAJISH K		
14			RAKESH R		
15			SATHISHKUMAR K		
16			THRISHA.V		
17			VANETHAA RG		
18	SAKTHI AUTO COMPONENTS	30-11-2021	Dhivya Bharathi k	GRADUATE ENGINEER TRAINEE	1.8 LPA
19			Annamalai.M		
20			PRAJISH .K		
21			SATHISH KUMAR.K		
22			VANETHAA R G		
23			NISHANTH K		
24	EUROCAST ENGINEERING	01-12-2021	AJITHKUMAR A	SUPERVISOR	1.8 LPA
25			RAJESH R		
26			ALEX J		
27			SURIYA P		
28			SUJITH A		

Placement Achievements : 2021-2022



Student-INTERNSHALA Internship

The following students were selected in various internship through INTERNSHALA internship programme.

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

PT LIVE

As an Intern through
Internshala ✓

Stipend : 6250/month
Hired on 25.01.22



A. AFSAL ABBAS
II - EEE

INTERNSHIP

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

**365 DAYS
PRIVATE
LIMITED**

As an Intern through
Internshala ✓

Stipend : 10,000/month
+ Incentives



B. GOPALA KRISHNAN
II - EEE

INTERNSHIP

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

**NBLIK INDIA
PRIVATE
LIMITED**

As an Intern

Stipend: 10000/month
Position: Community
Manager- Intern



B. DURGA SREE
III - EEE

INTERNSHIP

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

**MANDATORY
TRENDZ**

As an Intern through
Internshala ✓

Stipend : 10,000/month



R. RANJITHA
III - EEE

INTERNSHIP

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

**SAARTHI
TECH PRO
PVT LTD**

As an Intern through
Internshala ✓

Stipend : 5000 +
Incentive/mon
Hired on 25.01.22



V. THRISHA
IV - EEE

INTERNSHIP

MASTER M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY **MAMCET**
Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.

Congratulations
To our student got placed in

**SAARTHI TECH
PRO
PVT LTD**

As an Intern

Stipend: 5000+incentives /
month



K. DASKEEN
IV - EEE

INTERNSHIP

PUBLICATIONS

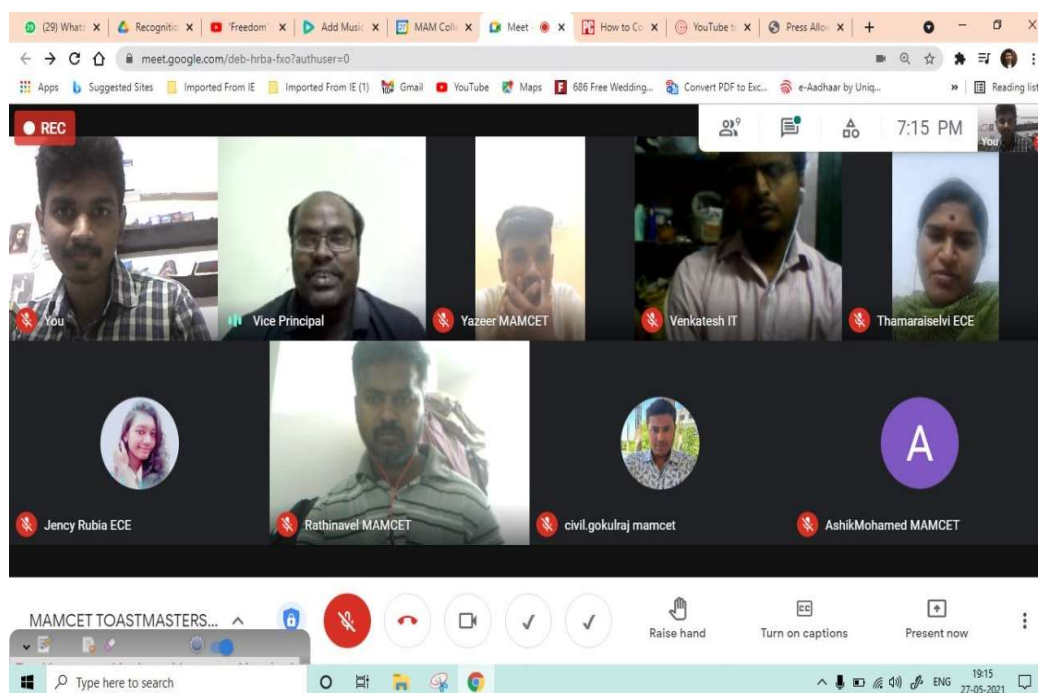
Our department faculty **Mr. M. Vinoth Kumar AP/EEE** has filed Patents in the following titles.

TITLES:

1. Smart Plug in hybrid electric vehicles as new electrical loads in the micro grids topology
2. Data-Driven approaches for cyber defence of battery energy storage systems
3. Electric Vehicle Manufacturing Process and Methods Using Deep Learning
4. IoT based Smart hybrid grid energy system with energy efficiency in remote area location

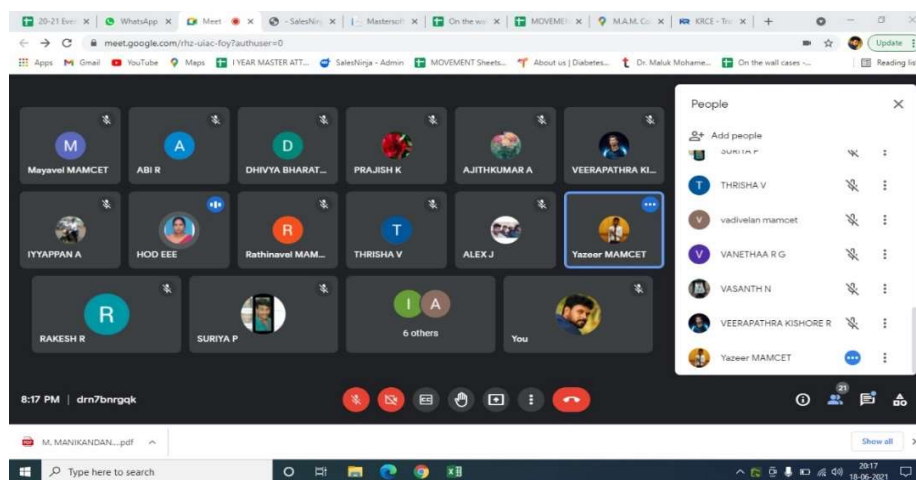
TOASTMASTERS

Our department faculties and ESCOM members of toastmaster club **Mr.A. Rathinavel AP/EEEE** and **Mr.N. Mayavel AP/EEE** enthusiastically participated in all the weekly and monthly events organized by Toastmasters club.



CLASS COMMITTEE MEETING

Class committee meeting was conducted two times per semester by chair person, subject handling faculties along with students to interact and express the opinions and suggestions of the class students to improve the effectiveness of the teaching-learning process.



PARENTS MEETING

Every fifteen days once the parents meeting was conducted by our department for all the students. The motto of this meeting was to disseminate their performance in academic and extra co-curricular activities. And also to maintain a good relationship with parents.

