



Department of Electrical and Electronics Engineering

Volume : 13

Issue : 02

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.



Newsletter June 2022

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- Technical Symposium
- IIT Research Park
- Webinars
- Student Achievement
- Industrial Visit
- Publications
- Toastmaster Club
- Class Committee Meeting
- Mentor-Mentee Meeting
- Parents Meeting

Faculty Development Program

Our faculty members, **Mrs.A.Mary Beula AP/EEE** and **Mr.A.Rathinavel AP/EEE**, attended a 6-day Faculty Development Programme on “**Power System Analysis**” sponsored by the Centre for Faculty Development, Anna University, Chennai was organised by Government College of Engineering, Sengipatti, Thanjavur from 04th July 2022 to 07th July 2022. attended the programme.

M.A.M. College of Engineering and Technology / Dept of EEE /
Newsletter June 2022



Technical Symposium

Our Department organized a Technical symposium on 24.03.2022 on the college premises. Number of events were conducted to the school students from Trichy district on the occasion. In about 120 school students actively participated that programmes and they got the opportunity to enhance their knowledge from various real time projects in the field of electrical and electronics .



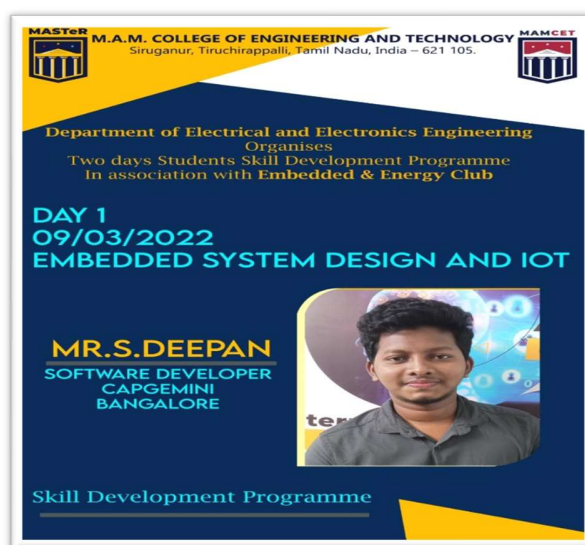
IIT Research Park

Our department faculty member **Mr.M. Vinoth Kumar AP/EEE** and four EEE students visited Indian Institute of Technology , Research Park at Chennai on 18.12.2021. During the visit they met **Dr. Ashok Jhunjhunwala, Professor, Dept, IIT**. He shared his vast experience in the field and explained the on going reaserch works in Research Park, IIT, Chennai which enchances the technical knowledge of students in project development and research in various areas. He added that utilizing this opportunity the students put fourth their novel ideas in a particular specialized area. Through this programme, our students got more information regarding project development. The students opined that the programme was very informative and useful for them.



WEBINARS

A webinar presented by **Mr.S.Deepan, Software Developer, Capgemini, Bangalore** on 09.03.2022 about 'Embedded System design and IOT'. This programme was mainly focused on the basic concept of embedded system design and Internet of Things. The session was more informative. 80 students were actively participated and benefited.



WEBINARS

A webinar series was arranged by **Mr.M.Vinoth Kumar AP/EEE** and **Mr.R.Surendar AP/EEE** in three phases from 10.03.2022 to 11.03.2022, 'ON GRID AND OFF GRID SOLAR SYSTEM'. The main objectives of the program was to impart the importance of ON Grid and OFF Grid Solar System for specific application scenarios, its evolution and future scope in solar systems. It made the students realize the necessity of solar system in real time future applications.



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

**MAMCET**

Department of Electrical and Electronics Engineering
Organises
Two days Students Skill Development Programme
In association with Embedded & Energy Club

DAY 3 - 11.03.2022
ON GRID AND OFF-GRID SOLAR SYSTEM



MR.M.VINOTH KUMAR
AP - EEE
MAMCET
TRICHY



MR.R.SURENDAR
AP - EEE
MAMCET
TRICHY

Skill Development Programme

WEBINARS

A webinar was offered by **Mr.R.Vignesh**, Project Engineer, Berkeley services, UAE on 30.03.2022 on 'Testing and Commissioning of substation equipments'. Both faculty and students attended the program in offline mode. This programme was very useful to students for engaging their life in electrical core field.



MONDAY
28 MAR

TIME
11.00 AM - 12.00 PM

M.A.M. College of Engineering and Technology
Department of EEE in Concert with Embedded Club Organizing

Online Webinar on
" Testing and Commissioning of substation equipments "



Speaker

Er. R. Vignesh
 Project Engineer
 Berkeley services
 UAE.

About Webinar
This program helps to discover that tech is being developed for training, to bridge the skills gap and provide you with the knowledgeable workforce you need. Inside the world of industrial automation, manufacturing and process automation continues to increase rapidly due to the many benefits it provides. For example, while requiring minimal human intervention, productivity and efficiency can be improved.

Meet Link
<https://meet.google.com/bz-enbv-ytw>

MASTeR Group of Institutions
www.mamcet.com
Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105

WEBINARS

A webinar was presented by **Mrs.J.Merlin Mary**, PhD Scholar, NIT, Trichy on 04.05.2022 and 05.05.2022 about 'Power Converters Design and Analysis'. This programme mainly focused on converter design and analysis in power system. The students applauded the programme to a great extent.



Wednesday & Thursday
04 May & 05 May

TIME
10.00 AM - 12.00 PM

M.A.M. College of Engineering and Technology
Department of Electrical and Electronics Engineering Organizing

Online Webinar on
" Power Converters Design and analysis "

Speaker




Mrs. Merlin Mary N J
 PhD scholar (prime minister research fellow)
 NIT TRICHY
 Trichy

About Webinar
This program helps to discover that tech is being developed for training, to bridge the skills gap and provide you with the knowledgeable workforce you need. A power converter is an electrical circuit that changes the electric energy from one form into the desired form optimized for the specific load. A smart grid is an electrical grid which includes a variety of operation and energy measures including: Advanced metering infrastructure Smart distribution boards and circuit breakers integrated. For example, while requiring minimal human intervention, productivity and efficiency can be improved.

Meet Link
<https://meet.google.com/ayr-ezmo-hib>

MASTeR Group of Institutions
www.mamcet.com
Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621 105

WEBINARS

A webinar was presented by **Dr.R.gnandass** Professor/ Department of EEE, Puducherry Technological University, Pondicheery on 29.04.2022 about 'Recent trends in Smart grid Technology'. This programme mainly focused on smart grid systems. The students applauded the programme to a great extent.



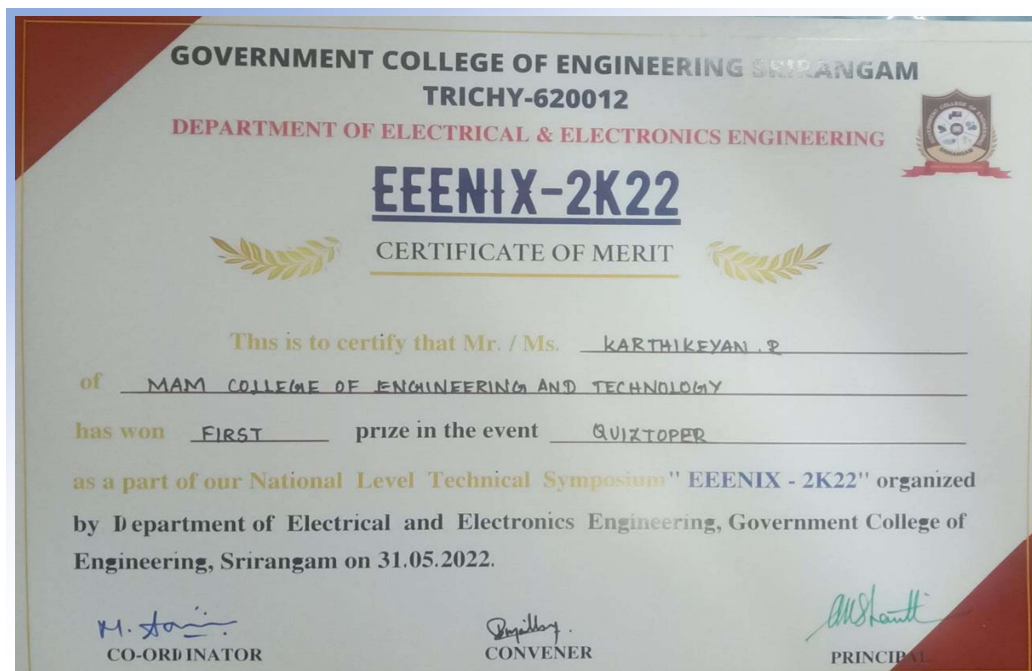
Students Achievement

Miss V. Thrisha, IV EEE, D/O V.S. Venunathan, South India Silambam Academy participated and set a record of three hours performance in connection with a continuous 16 hours silambam as a team record on 27th March 2022 at K.A.P.Viswanathen Higher Secondary School, Trichy, The programme was organized by World Silambam Korvai Academy, Malaysia, Singapore and India and supported by World Silambam Youth Federation run by 6th Dan Grand Master Dr.Anbalagan Kuppusamy. She was awarded a Certificate of Merit by Harvard World Records which has registered it in London Harvard World Records.



STUDENT ACHIEVEMENT

Our department II Year EEE student R.Karthikeyan participated in National level Technical Symposium EEENIX-2K22 organized by Government College of Engineering, Srirangam on 31.05.2022. He won first prize in the events, 'Quiztoper' and 'WHO AM I'. He was presented with certificates and shields on the occasion.



Student-INTERNSHALA Internship

Many of our students were selected in various internships through INTERNSHALA, conducted in the months of January and February of the last academic year 2021-'22.

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CONGRATULATIONS



DEENATHALYALAN A.
GLOBAL MARKETING MEDIA
STIPEND: 3000 PER MONTH + INCENTIVE



AFSAL ABBAS A.
PT LIVE
STIPEND: 3000 PER MONTH



KAVITHA R.
PT LIVE
STIPEND: 3500 PER MONTH + INCENTIVE



GOPALAKRISHNAN R.
SAS DAYS PRIVATE LIMITED
STIPEND: 10000 PER MONTH + INCENTIVE
& DELUXE KIDS FASHION
STIPEND: 1500 PER WEEK + INCENTIVE

OUR STUDENTS GOT SELECTED FOR

INTERNSHIP

THROUGH INTERNSHALA

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CONGRATULATIONS



INDHUMATHIES.
HUBBARDVILLE ROBOTICS - TOSHIBA SAW
STIPEND: 1500-1600/MONTH + INCENTIVE



PRAJESH K.
TEAM STREET
STIPEND: 4000/MONTH



JASSEM K.
SANTHA TECH PRO PVT LTD
STIPEND: 3000/MONTH



NAGESH R.
HUBBARDVILLE ROBOTICS
STIPEND: 3000/MONTH + INCENTIVE



DIVISHA V.
SANTHA TECH PRO PVT LTD
SALARY: 3000/MONTH

OUR IV YEAR EEE DEPARTMENT STUDENTS GOT SELECTED FOR

INTERNSHIP

THROUGH INTERNSHALA

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CONGRATULATIONS



RANJITHA R.
TECH SKILL KNOWLEDGE AND CAREERS
STIPEND: 1500-3000/MONTH
MANDATORY TRENDZ
STIPEND: 12,000/MONTH



PRIYADARSHINI R.
SALARTECH TECH PRO PVT LTD
STIPEND: 5000/MONTH
HELIX INDIA PRIVATE LIMITED
STIPEND: 10,000/MONTH



DURGA SREE B.
SICVR LABS
STIPEND: 4000/MONTH
HELIX INDIA PRIVATE LIMITED
STIPEND: 10,000/MONTH



POORNIMA D.
MANDATORY TRENDZ
STIPEND: 12,000/MONTH



SHAGANI M.
ENABLING FOUNDATION
STIPEND: 1200-4000 PER WEEK



SAMEERA K.
HELIX INDIA PRIVATE LIMITED
STIPEND: 10,000/MONTH



ARAVINTH K.
SALARTECH TECH PRO PVT LTD
STIPEND: 5000/MONTH

OUR III YEAR EEE DEPARTMENT STUDENTS GOT SELECTED FOR

INTERNSHIP

THROUGH INTERNSHALA

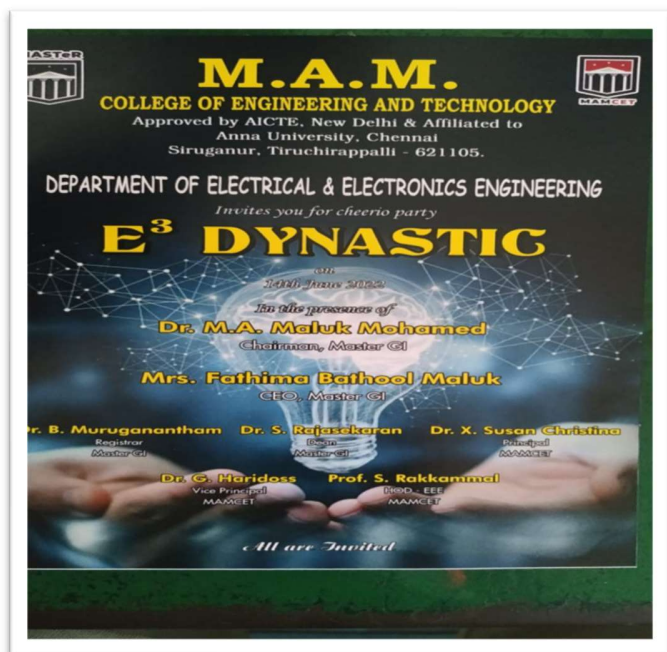
Industrial Visit:

Our Department faculty and students went an industrial visit on 27.05.2022 to Kannan Devan Hills Plantations Company Private limited in Munnar, Kerala. Students got their doubts cleared from them on automation process. It was a fruitful journey for both faculty and students. In addition the team visited some picnic spots and enjoyed the wonderful trip.



Department Function:

Our Department Function, **E³ DYNASTIC**, was conducted on 14.06.2022 at Newton Hall, MAMCET. Mrs. A Rakkammal, Head, EEE, presided over the function. Dr X Susan Christina, Principal delivered the chief guest address. It was organized by students. Various types of events were conducted like Quiz, Circuit debugging, and Non-Technical events. Our students participated enthusiastically and won prizes. In total it was a joyful event.

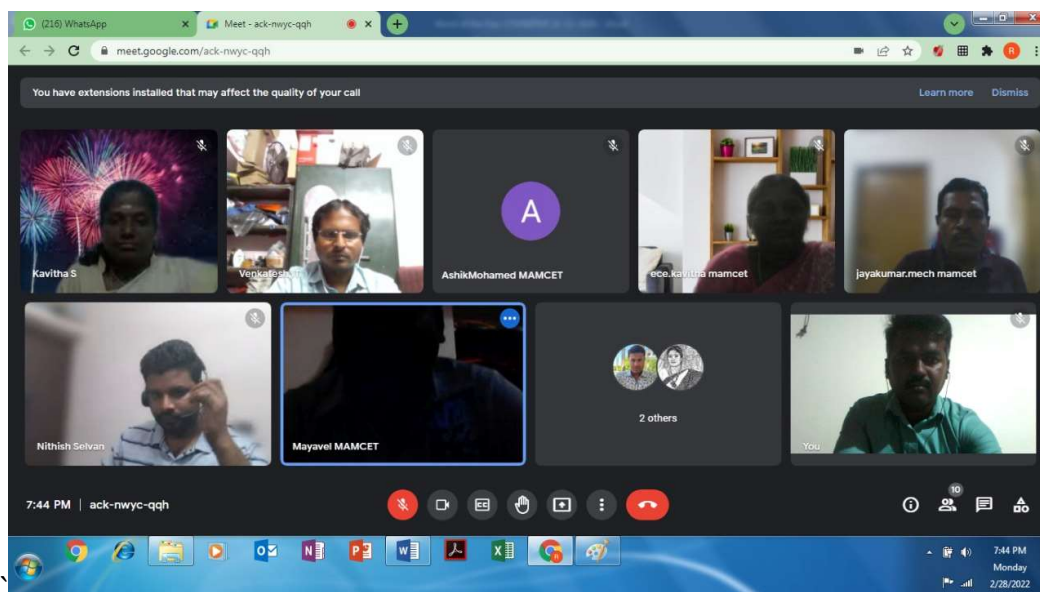


PUBLICATIONS

Our department faculty members **Mr. M. Vinoth Kumar AP/EEE** and **Mr.R.Surendar AP/EEE** and **Mr.N.Mayavel** published a paper entitled “Soft switched DC-DC converter for hybrid power generation photo voltaic panels using fuzzy logic controller” in online magazine ‘Materials Today’: Proceedings <https://doi.org/10.1016/j.matpr.2022.05.146>

TOAST MASTERS

Our department faculty members 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.



MENTOR-MENTEE MEETING

The main motto of this meeting was to accelerate the personal and professional development in academic and Non-academic activities. The benefits of this meeting was encouraged and empowered in personal development and helped to identify and correct gaps in generic skills and knowledge. Mentor-Mentee meeting was conducted by individual faculties to allotted mentees.

❖ Mentor – Mentee Meeting 1 was conducted on

4.4.22 for II year, 5.4.22 for III Year, 6.4.22 for IV Year. Students Profile updation, Attendance, Family background & Understandability were discussed.

❖ **Mentor – Mentee Meeting 2** was conducted on

5.5.22 for II year, 6.5.22 for III Year, 7.5.22 for IV Year. Students were instructed to study for internal assessment and also insisted to collect the materials. Continuous Internal Assessment-I performance of the students has been discussed

❖ **Mentor – Mentee Meeting 3** was conducted on 3.6.22 for II year, 4.6.22 for III Year & IV Year students. Continuous Internal Assessment-II Performance of the students has been discussed problematic subject and are advised to practice steps and methods in periodic manner. Their grievances and inabilities were discussed in the one –one, mentor –mentee session.

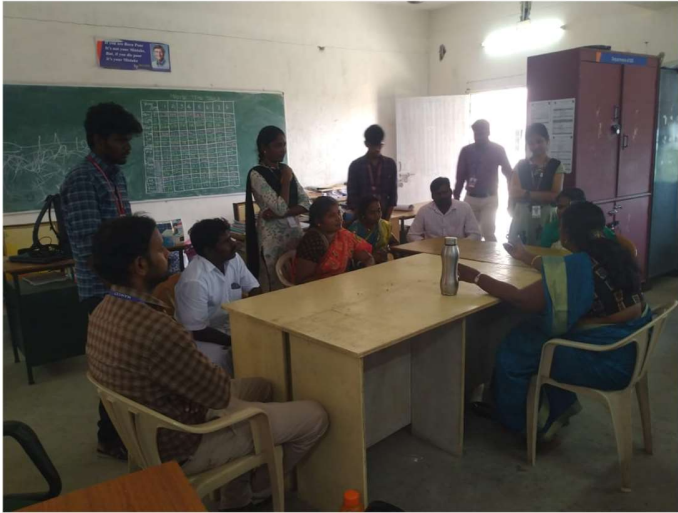
CLASS COMMITTEE

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.

- ❖ Class committees meeting with students of all years were conducted on 23.03.2022, 27.04.2022. Students Feedbacks and their learning experiences and difficulties were discussed.
- ❖ Discussion on Student's grievances about the subjects - both theory and practical's were addressed and rectified by the respective chairpersons of each class. Corrective actions Students are instructed to concentrate more on were properly identified and taken. Analyzing the performance of the class students after CIA- I & CIA -II and finding the difficulties and means of solving problems for the poor performance of the students in various subjects to conduct Coaching classes were arranged for below average students in order to improve their results in the university examination.
- ❖ Students are motivated to participate in various technical events and online certification courses and competitions conducted by other institutions in and around Trichy.

PARENTS

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 in addition to maintain a good relationship with the students as well as parents.



Editorial Board:

Mr. R.Udayachandran, AP/ENGLISH, MAMCET

Mr.R.Surendar, AP/EEE, MAMCET



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