



M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY

Siruganur, Tiruchirappalli, Tamil Nadu, India – 621 105.



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NEWSLETTER

-----JAN 2023- JUN 2023-----

...Tesla...



EDITORIAL TEAM

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Prof. A.Mary Beula AsP/EEE

Prof. R.Surendar AP/EEE

Prof. A.Abirami AP/EEE

Prof. Uhayachandran AP/English

Student Coordinator

H.Rifaaideen- IV EEE

R.Gopalakrishnan –III EEE



MAMCET
M.A.M. COLLEGE OF
ENGINEERING
& TECHNOLOGY

VISION

To mould the young minds of electrical and electronics engineering professionals with high standard of education, research and innovation to serve the society ethically.

MISSION

- To provide comprehensive education for the students to excel in the field of Electrical and Electronics Engineering.
- To facilitate a supportive environment to enhance research and innovation.
- To impart industry oriented technical skills through collaborative activities
- To inculcate professional ethics and human values among student community.
- To nurture the communication and leadership skills among students through multidisciplinary activities.



PROGRAM EDUCATIONAL OBJECTIVE

PEO1: To equip students with a strong foundation in technical knowledge and skills in Electrical and Electronics Engineering, enabling them to excel in their chosen careers.

PEO2: To develop students' communication skills, enabling them to effectively convey technical information and collaborate with others in a professional setting.

PEO3: To foster creativity and innovation among students, encouraging them to think critically and solve complex problems in Electrical and Electronics Engineering.

PEO4: To instill students to demonstrate ethical behavior and professional responsibility in their work.

PROGRAM SPECIFIC OBJECTIVE

PSO1: To design, develop, and implement modern technologies for solid state devices and circuits, control systems, and power systems by incorporating principles from basic science, engineering science, humanities, and social science.

PSO2: To analyze and evaluate the performance of electrical & electronic systems using simulation and modeling techniques.

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●●Faculty Development Program●●

●●Conferences●●

Our faculty members, **Mrs.A.Mary Beula AsP/EEE** and **Mr. N.Mayavel AP/EEE**, attended a three-day conference on “**Intelligent Solutions for Emergency Response and Disaster Management**” jointly organized by **National Institute of Technology, Trichy** and **C-DAC, Thiruvananthapuram** on 09th Jan -11th Jan 2023.



PALS:

Our faculty members, **Mrs.S.Rakkammal HoD/EEE** and **Mrs.A.Mary Beula AsP/EEE**, visited the **Siemens Gamesa Renewable Power Private Limited, Kancheepuram** on 03rd Mar 2023.



●●Faculty Development Program●●

- ❖ Our faculty members, Mr.N.Mayavel AP/EEE and Mrs.A.Abirami AP/EEE, attended a six-day online Faculty Development Programme on “Recent Trends and Innovations in High Voltage Engineering” organized by K.S.Rangasamy College of Technology, Tiruchengode, Namakkal on 27th Mar 2023 – 1st Apr 2023.



- ❖ Mr.R.Surendar AP/EEE, attended a training programme on “Energy Literacy” organized by Energy Swaraj Foundation by Prof.Chetan Singh Solanki.



●●Faculty Development Program●●

●●National Level Workshop●●

- ❖ Our faculty members, Mrs.S.Rakkammal HoD/EEE and Mrs.L.Glarida Amala AP/EEE, attended a one-day National level Workshop on “Electrical Safety in Industries –All Overview” organized by SRM TRP Engineering College IEEE Student Branch, IIC and Tesla Club, Trichy on 24th Jan 2023.



- ❖ Our faculty members, Mrs.A.Abirami AP/EEE and Mrs.L.Glarida Amala AP/EEE, attended a Five-days online Faculty Development Programme on “Role of Artificial Intelligence in Power Sector” organized by PSN College of Engineering and Technology on 29th May 2023 – 2nd June 2023.



••Events Organized••

WEBINAR

A webinar was presented by **Mr.S. Ramkumar, Industrial Automation Engineer, STSK Controls and Automation, Chennai** on **08.02.2023** about **‘The State of Industrial Automation – Industry 4.0’**. This programme was mainly focused on the basic concept of Industrial automation system. The session was more informative. 80 students actively participated and got benefitted from the webinar.



WEDNESDAY
08 FEB

TIME
03.00 PM – 04.30 PM

M.A.M. College of Engineering and Technology
Department of **EEE** Organizing

One Day Seminar on
“The State of Industrial Automation – Industry 4.0”



Venue
NEWTON HALL



Speaker

Mr. S. Ramkumar
Industrial Automation Engineer
STSK Controls and Automation
Chennai



Group of Institutions

www.mamcet.com

Trichy – Chennai Trunk Road, Siruganur, Tiruchirappalli – 621 105



SEMINAR

A seminar was presented by **Er.S. Deepan, Embedded Developer & Manager, WITSPIRE, Trichy** on **17.02.2023** about **‘The Future of Robotics Technology’**. This programme was mainly focused on the basic concept of embedded system design in robotics. 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. 82 students actively participated and got benefitted from the webinar.



FRIDAY
17 FEB

TIME
09:30 AM – 12:30 PM

M.A.M. College of Engineering and Technology
Department of **EEE** in Association with
IE(I) Students Chapter, Tiruchirappalli organizing

One-day Seminar on
“The Future of Robotics Technology”



Speaker



Er. S. Deepan
Embedded Developer & Manager
WITSPIRE
Tiruchirappalli

Venue
Newton Hall, MAMCET



Group of Institutions

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•••Seminars and Workshops•••

SEMINAR

A seminar was presented by **Mr. Naveenkumar Govindaraj**, Manager/Sr. Professional II, Capgemini Technology Pvt Ltd, USA on **25.02.2023** about 'Application of Nanoelectronics in Electrical field'. This programme mainly focused on nanoelectronics design and analysis in power system. The session was more informative. 81 students actively participated and got benefitted from the seminar.



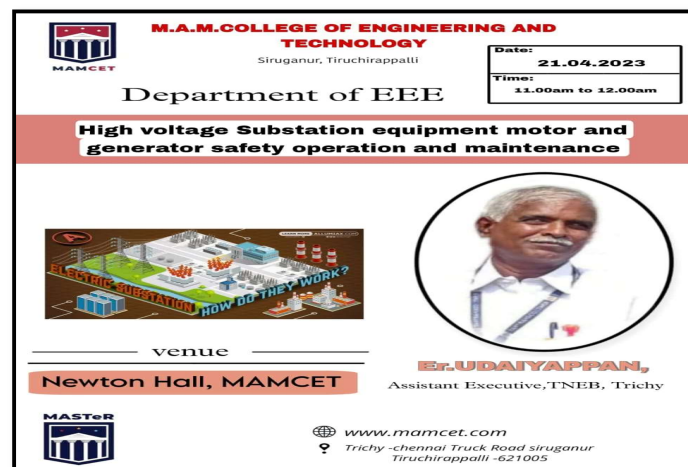
Hands On Training: VAC

The hands-on training was conducted by **Mr.M. Madhan Kumar**, Power Integrated Solution, Trichy on **21.04.2023 to 29.04.2023** about 'Sensors and Embedded Systems Evaluation Using Arduino'. This training programme mainly focused on embedded system design and analysis in Electrical system. Totally 80 students attended and applauded the programme to a great extent.



SEMINAR

A seminar was presented by **Er. Udaiyappan**, AD/TNEB, Trichy on **21.04.2023** about 'High voltage substation equipment, motor and generator: safety, operation and maintenance'. This programme mainly focused on High voltage equipments and motors in power system. The session was more informative. Totally 81 students actively participated and got benefitted from the seminar.



SEMINAR

A seminar was presented by **Shri.G. Balasubramanian Deputy project Director, ISRO, Shriharokota, on 17.03.2023 about 'Importance of Power Controllers in Space Applications.'** This programme mainly focused on power controllers design and analysis in power system. The session was more informative. 82 students actively participated and got benefitted from the seminar.



GUEST LECTURE

A guest lecture was presented by **Dr. Padbanaban, Director, EVNEXUS Pvt.Ltd on 03.03.2023 about 'Recent Trends in EV and its Challenges'.** This programme mainly focused on Electric Vehicle design for recent trends. The session was more informative. 83 students actively participated and got benefitted from the guest lecturing seminar.

	DATE 03/03/2023	TIME 09:30 AM - 12:30 PM
M.A.M. College of Engineering and Technology Department of EEE in Association with IE(I) Students Chapter, Tiruchirappalli organizing		
Guest Lecture on Recent Trends in EV and its Challenges		
		Speaker  Dr. Padbanaban, Director, EVNEXUS Pvt.Ltd, Chennai.
Venue Newton Hall, MAMCET		
 Group of Institutions	www.mamcet.com Trichy - Chennai Trunk Road, Siruganur, Tiruchirappalli - 621105	

SEMINAR

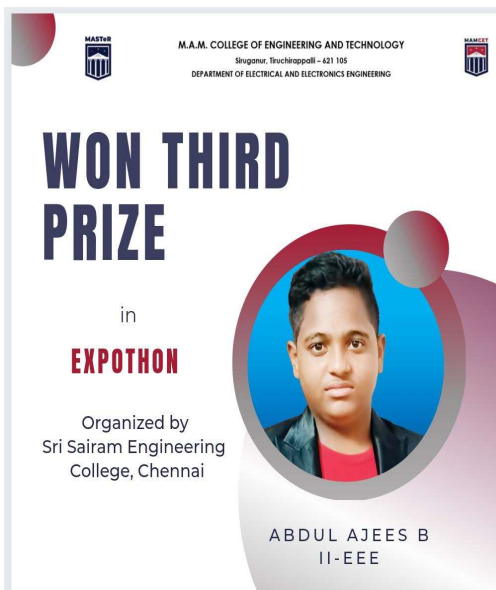
A seminar was presented by **Shri.Magdaline Mary, Assistant Engineer, TNEB. on 01.04.2023 about 'Energy Conservation and Safety in Industries'.** This programme was mainly focused on the basic concept of electrical system design. Both faculty and students attended the program in offline mode. This programme was very useful to students for engaging their life in electrical core field. Totally 82 students actively participated and got benefitted from the seminar.

	M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY Siruganur, Tiruchirappalli	Date: 01.04.2023 Time: 11.00am to 1.00am
Department of EEE		
Seminar on "Energy Conservation and Safety in Industries "		
		speaker: Shri.Magdaline Mary, Assistant Engineer, TNEB.
venue correa Hall, MAMCET		
	www.mamcet.com Trichy -chennai Trunk Road siruganur Tiruchirappalli -621005	



STUDENT ACHIEVEMENT

- ❖ Our department II Year EEE student **D.Abdul Ajees** participated in **National level Technical Symposium Techgyan'23** organized by **Sri Ramakrishna College of Technology, Trichy** on 04.03.2023. He won **first prize** in '**Paper Presentation**'. He was presented with a certificate and rupees 5000/- cash award on the occasion.
- ❖ Our department II Year EEE student **D.Abdul Ajees** participated in **National level Technical Symposium Airo 2.0** organized by **Sri Sairam Engineering College, Chennai** on 03.02.2023. He won **second prize** in the event '**Short Film**' and **third prize** in the event of '**Expothan**'. He was presented with a certificate and a shield on the occasion.



•••Student Achievements•••

- ❖ Our department III Year EEE students **S.Chandirasekar** and **R.Gopalakrishnan** participated in **National level Technical Symposium SURGE2K23** organized by **Velammal Engineering College, Chennai** on 18.02.2023. They won **third prize** in the event of **'Melomaniac'**. They were presented with a certificate and a shield on the occasion.
- ❖ Our department III Year EEE students **R.Gopalakrishnan** and **Geoush Salvius** participated in **National level Technical Symposium SURGE2K23** organized by **Velammal Engineering College, Chennai** on 18.02.2023. They won **second prize** in the event of **'Project Expo'**. They were presented with a certificate and a shield on the occasion.



•••Student Achievements•••

- ❖ Our department III Year EEE students **R.Karthikeyan** and **R.Gopalakrishnan** participated in National level Technical Symposium **Electrolex'23** organized by **Government college of Engineering Srirangam, Trichy** on 17.05.2023. They won first prize in the event of '**Connection**'. They were presented with a certificate and a shield on the occasion.
- ❖ Our department III Year EEE students **R.Gopalakrishnan**, **A.Afsal Abbas** and **R.Karthikeyan** participated in National level Technical Symposium **Electrolex'23** organized by **Government college of Engineering Srirangam, Trichy** on 17.05.2023. They won first prize in the event of '**Project Expo**'. They were presented with a certificate and a shield on the occasion.
- ❖ Our department III Year EEE students **R.Gopalakrishnan** and **R.Karthikeyan** participated in National level Technical Symposium **Electrolex'23** organized by **Government college of Engineering Srirangam, Trichy** on 17.05.2023. They won second prize in the event of '**Circuit Debugging**'. They were presented with a certificate and a shield on the occasion.
- ❖ Our department III Year EEE students **R.Karthikeyan** and **A.Afsal Abbas** participated in National level Technical Symposium **Electrolex'23** organized by **Government college of Engineering Srirangam, Trichy** on 17.05.2023. They won third prize in the event of '**Technical Quiz**'. They were presented with a certificate and a shield on the occasion.



•••Student Achievements•••

- ❖ Our department II Year EEE student **D.Abdul Ajees** participated in **National level Technical Symposium Zen fiesta 23** organized by **Holy Cross College, Trichy** on 24.02.2023. He won **first prize** in 'dance'. He was presented with a certificate and a shield on the occasion.
- ❖ Our department II Year EEE student **D.Abdul Ajees** participated in **National level Technical Symposium festronix 23** organized by **K.Ramakrishnan College of Technology, Trichy** on 07.03.2023. He won **second prize** in the event 'Idea Presentation'. He was presented with a certificate and a shield on the occasion.
- ❖ Our department II Year EEE student **Mohammed Arif** and **Punitha** participated in **National level Technical Symposium festronix 23** organized by **K.Ramakrishnan College of Technology, Trichy** on 07.03.2023. They won **first and third prize** in the event 'Circuit Debugging'. He was presented with a certificate and a shield on the occasion.



•••Grants Received•••



- ❖ Our college received a **Prestigious Grant of ₹1 Lakhs** for the Proposal **“Automatic Waste Management System using IoT”** under **Unnat Bharat Abhiyan (UBA) Rural Infrastructure Scheme**.

- ❖ Our college received a **Grant of ₹7500 rupees** for the Proposal **“Modern Blind Stick”** under **Tamilnadu State Council for Science and Technology, Student Project Scheme 2022-2023**.



●●●Technical Symposium●●●

Our Department organized a Technical symposium 'Electroblitz-2k23' on 17.03.2023 on the college premises. Number of events were conducted to the college students from all over tamilnadu on the occasion. In about 85 college 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 .





M.A.M.COLLEGE OF ENGINEERING AND TECHNOLOGY
 APPROVED BY AICTE, NEW DELHI & AFFILIATED TO ANNA UNIVERSITY - CHENNAI
 TRICHY - CHENNAI TRUNK ROAD, SIRUGANUR - TIRUCHIRAPALLI - 621 105.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

In Association with

The Institution of Engineering (India), TIE

A NATIONAL LEVEL TECHNICAL SYMPOSIUM

ELECTROBLITZ 2K23

Chief Guest :
Shri.G. BALASUBRAMANIAN
 Deputy Project, Director Indian Space Research Organisation, (ISRO) Sriharikota

Date: 17.03.2023 **Venue: Newton Hall, MAMCET**

Date: 17.03.2023

Venue: Newton Hall, MAMCET

●●Industrial Visit●●

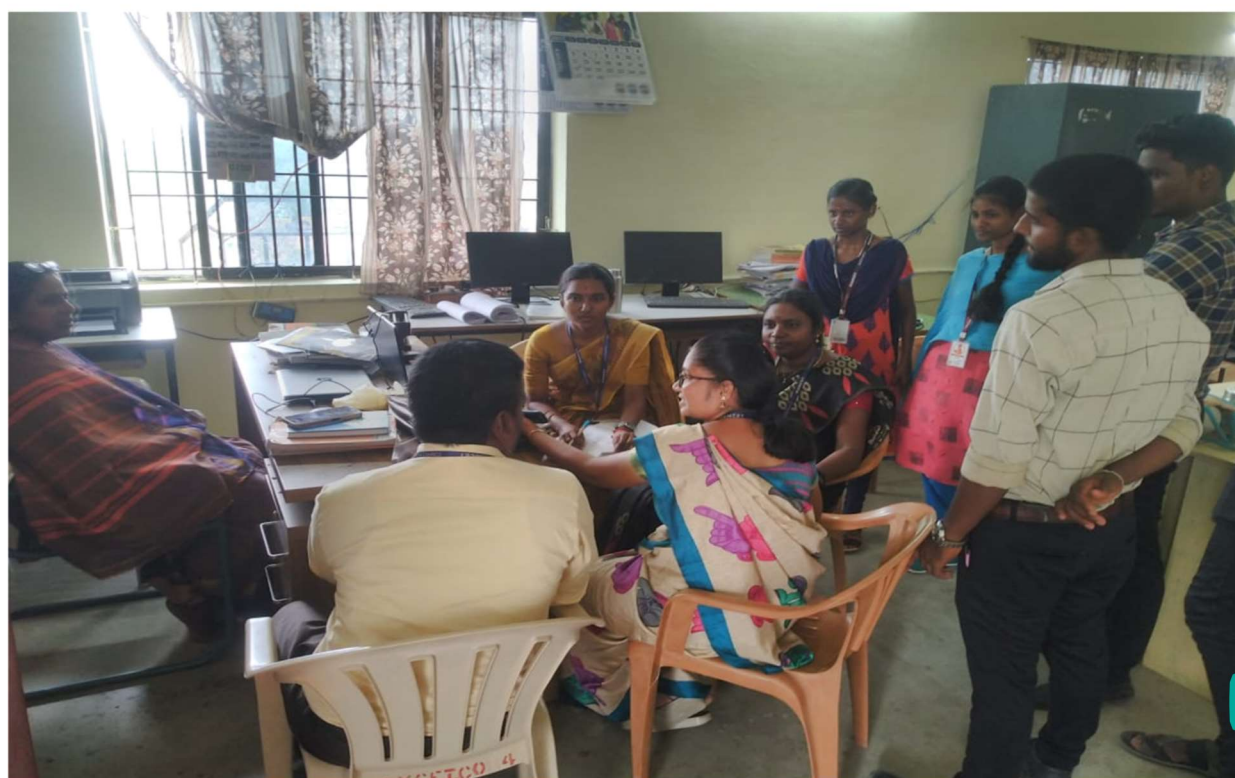
Our Department faculty and students went an industrial visit on 18.03.2023 to Sandal Wood Oil Division in Mysore. Students got their doubts cleared from them on automation process. It was a fruitful journey for both faculty and students. In addition the team visited some picnic spots and enjoyed the wonderful trip.



•••Class Committee Meeting•••

Class committee meeting was conducted three 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.

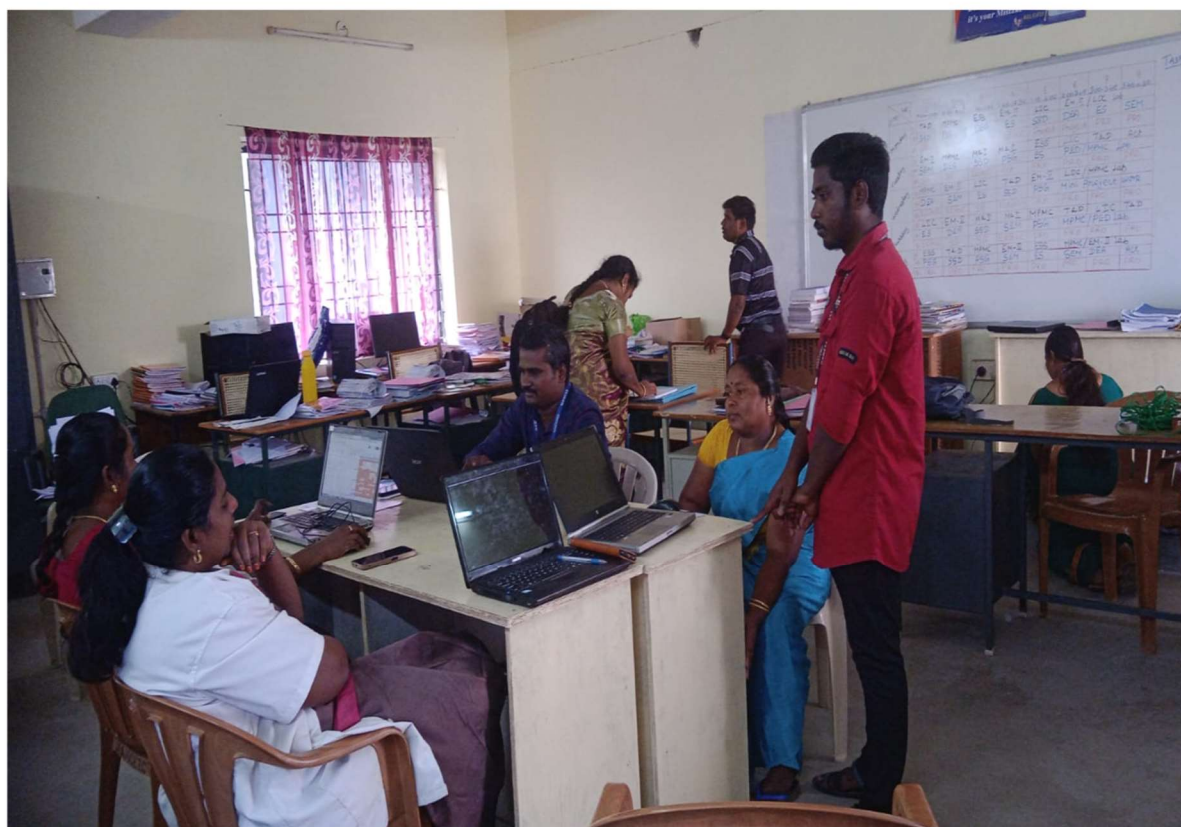
- ❖ Class committees meeting with students of all years were conducted on 15.02.2023, 21.03.2023 and 20.04.2023. Students Feedback and their learning experiences and difficulties were discussed.
- ❖ Discussion on Students grievances about the subjects - both theory and practicals were addressed and rectified by the respective chairpersons of each class. 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 were motivated to participate in various technical events and online certification courses and competitions conducted by other institutions in and around Trichy.



••Mentor Mentee Meeting••

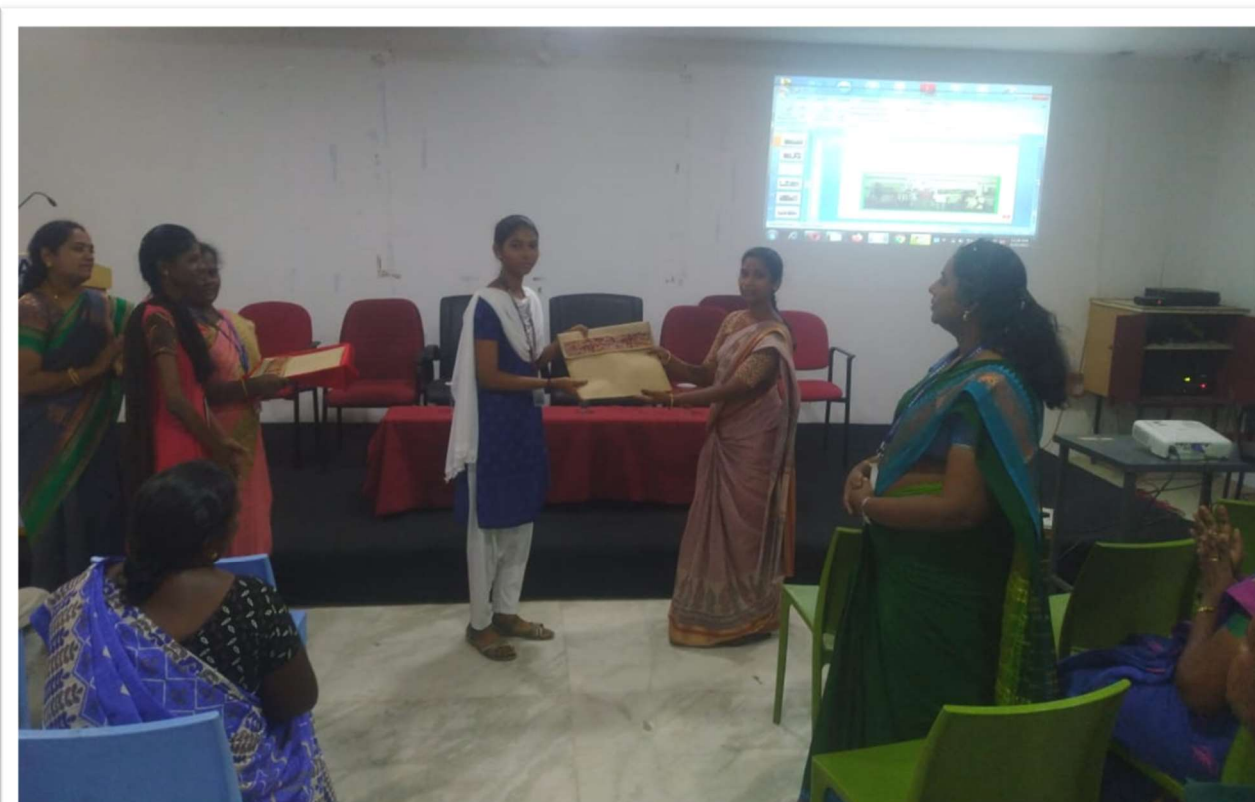
The main motto of this meeting was to accelerate the personal and professional development in academic and non-academic activities. The benefits of this meeting was encouraged and empowered in personal development and helped to identify and correct gaps in generic skills and knowledge. Mentor-Mentee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

- ❖ **Mentor – Mentee Meeting 1** was conducted on 21.2.23 for II year, 22.2.23 for III Year, 23.2.23 for IV Year. Students Profile updation, Attendance, Family background & Understandability were discussed.
- ❖ **Mentor – Mentee Meeting 2** was conducted on 25.3.23 for II year, 16.3.23 for III Year, 24.3.23 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 was discussed.
- ❖ **Mentor – Mentee Meeting 3** was conducted on 19.04.23 for II year, 20.04.23 for III Year & IV Year students. Continuous Internal Assessment-II Performance of the students was discussed. Their grievances and inabilities were discussed in the one –one, mentor –mentee session.



•••Parents Teacher Meeting•••

Once in every fifteen days the parents teachers 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. In Final meeting, we were distribute the prizes for toppers in anna university examinations.





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