

# DEPARTMENT OF ELECTRICAL ENGINEERING

## ACTIVITY REPORT

(2023-24)



**GOVERNMENT ENGINEERING COLLEGE PALAKKAD**

## Activity Report

### Electrical Engineering

#### Vision

To become a Centre of Excellence in Electrical Engineering and allied disciplines  
For the service of the society.

#### Mission

- To impart high quality education to meet the challenges in the field of Electrical and Electronics Engineering.
- To nurture creativity and transform the young minds to become competent Electrical Engineers.
- To inculcate a sense of commitment to ethical values and a passion to serve the society.
- To foster research, innovation and entrepreneurship skills.

- BTech. in Electrical and Electronics Engineering (4 year, full time) affiliated to the APJ Abdul Kalam Technological University (intake: 60 plus 6 as Lateral entry in the third semester).
- M.Tech (Electrical Drives & Control) (2 year, Full time), with an intake of 18 seats.
- PhD (Full time & Part time).

The Department of Electrical Engineering shifted to the new block in May 2023. The block was inaugurated by Chief Minister Sri. Pinarayi Vijayan and Dr. P. Bindu, Minister for Higher Education and Social Justice.



3734 sq.m. area - Electrical Engineering block work completed and the Department block was inaugurated along with staff quarters on 15th May 2023

## 1.0. RESULT ANALYSIS

Sl No.	Semester (Batch)	No: of students appeared for exam	No: of students Passed	Pass Percentage (%)		
				Boys	Girls	Total
<b>B.Tech. Results</b>						
1	S1 (2023 - 27)	66	45	58.06	77.14	68.18
2	S3 (2022 - 26)	74	37	44.44	58.6	50
3	S5 (2021 - 25)	73	41	37	74	56.2
4	S7 (2020 - 24)	74	58	75.61	81.82	78.38
<b>M.Tech. Results</b>						
1	S3 (2022-24)	3	3	100	100	100
2	S1 (2023-25)	5	4	100	75	80

## 2.0. MAJOR STUDENT ACHIEVEMENTS

2.1. **IDEATHON:** 2k20 batch students won the state level first prize in state level Freedom Fest'23. Freedom Fest'23 IDEATHON - State level 3rd prize Winners on the topic : 'Sustainable Cities and Communities'



### 2k20 EEE Batch

- Rishikesh Preman, Rithul T, Sneha V S, Avani K V, Akshara Thrivi C

## 2.2. Paper presentation PESGRE 2023

Student paper presentation for 2023 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy (PESGRE 2023), 17-20 Dec. 2023 at Thiruvananthapuram, on the topic “Real time Monitoring and Detection of Abnormal Activities in Distribution Line”

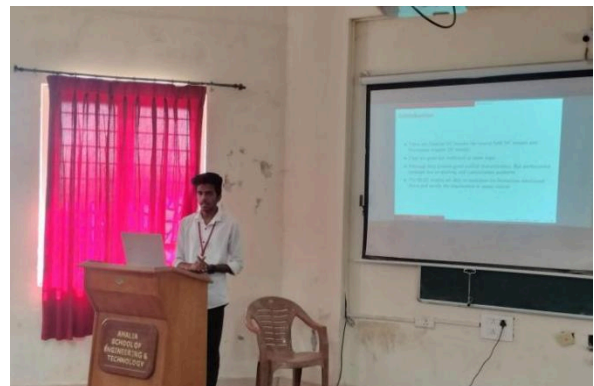
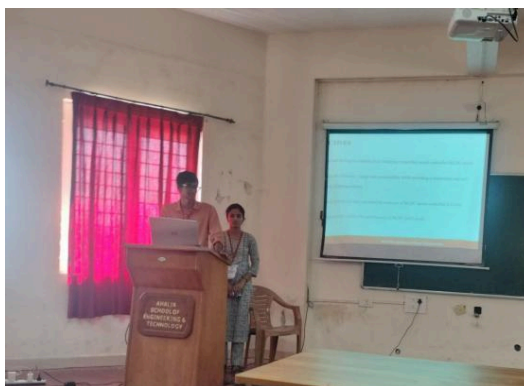


2k19 EEE Batch –

Shijin Varghese, Mizaja Parveen K, Mohammed Saleh A, Adharsh K

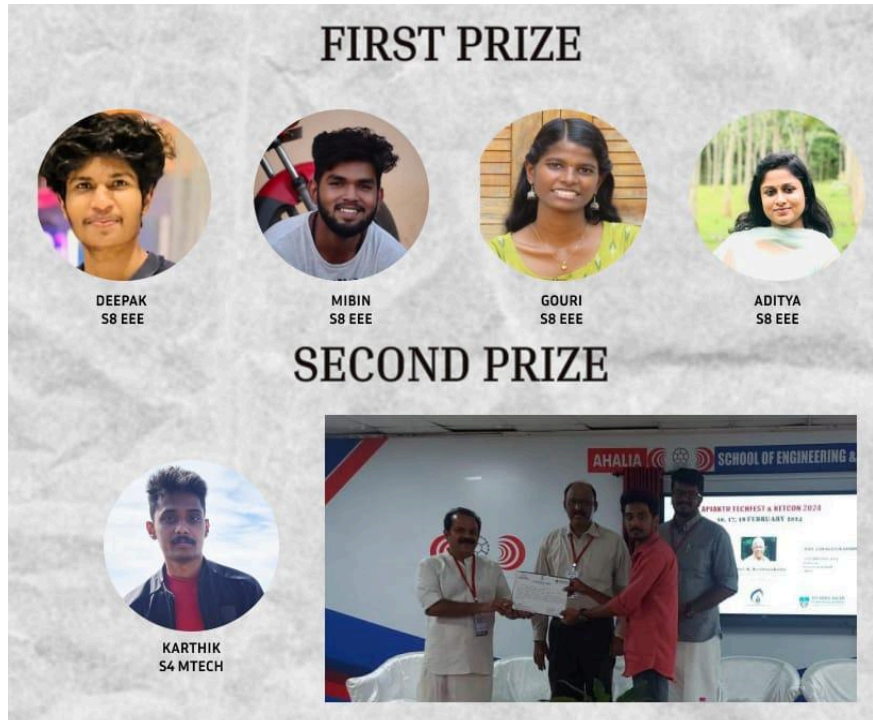
## 2.3. Paper presentation KETCON 2024:

- Five papers of students (BTech and MTech) selected for presentation at KETCON 2024 held at Ahalya College of Engineering, during 17-19 Feb. 2024.



Mr. Arjun (BTech) and Mr. Sahad (MTech) presenting their papers

- Best paper presentation awards were given to two papers:
  - o **First Prize:** (2k20EEE Batch ) Deepak, Mibin, Gouri, Aditya
  - o **Second Prize:** (MTech) Karthik



#### 2.4. SPORTS

- Handball - Interzone and E-zone champions: 2<sup>nd</sup> Year EEE students - 2k22batch



2<sup>nd</sup> Year EEE students - 2k22 batch

- Handball - Ezone Runner's Up : Nived K and Abhiram Karthik



**Nived K** (2<sup>nd</sup> year EEE, 2k22 Batch) & **Abhiram Karthik** (2<sup>nd</sup> year EEE, 2k22 Batch)

### 3.0. FACULTY ACHIEVEMENTS

3.1. **Research and Development Activities:** The Department has completed the following R & D Projects completed by the Department in June 2023 under TEQIP II Four Funds

Project name	Project group
Solar Powered Grid Connected Systems for Domestic Applications	Dr. Vinita Chellappan Dr. Joseph Peter
Speed Control of a Switched Reluctance Motor Drive for Electric Vehicular Applications.	Dr. Joseph Peter Dr. Vinita Chellappan
Design and Development of BLDC Hub Motor Drive and Controller for EV Bikes	Muhammedali Shafeeque K Abdul Kareem P V
Implementation of Smart Meter Data Fetching IOT end device inco-operating Modbus Protocol	Muhammedali Shafeeque K Muhammad Farooque E K



Demonstration of research work during TEQIP evaluation – June 24, 2023

3.2. **Awards and Recognition:** Dr. Meenakshy K., Professor in EE received Outstanding WIE volunteer award from IEEE Kerala Section for the year 2023



### 3.3. Talks/Other activities by faculty

Faculty name	Name of Course/Talk/Programme	Name of institution	Date	Type of training/Workshop
Dr. Joseph Peter	"Research Opportunities and Challenges In Sustainable Clean Energy Transition	SRMIST Chennai	16 Dec. 2023	SERB sponsored workshop
Dr. Joseph Peter	Current Control Motor Drives in EVs	SRMIST Chennai	27 Dec 2023	DST-PURSE sponsored workshop
Dr. Meenakshy K	Keynote address for CoreEL Edu Summit	Kochi	9 Nov. 2023	Edu Summit held at Kochi

Dr. Joseph Peter	Session Chair - ICETEST PICC 2023	GEC Thrissur	20 Apr. 2024	ICETEST Conference
Dr. Joseph Peter	Session and Track Chair - Kerala Technological Congress – KETCON 2024, 16 Feb. 2024	Ahalia College of Engineering Palakkad	16 Feb. 2024	KETCON 2024, APJAKTU
Dr. Vinita Chellappan	Session Chair - Kerala Technological Congress – KETCON 2024	Ahalia College of Engineering Palakkad	16 Feb. 2024	KETCON 2024, APJAKTU

### 3.4. Faculty pursuing/completed Ph.D during 2023-24

Faculty	Institute	Area of Research	Year of Admission	Status
Muhammedali Shafeeque K	NIT Calicut	Power Electronics	2023	Ongoing
Muhammad Farooque E K	NIT Calicut	Power System	2024	Contact program
Sajitha M	GEC Thrissur	Power Electronics	2024	Contact program

### 3.5. FACULTY/STUDENT PUBLICATION DETAILS

Sl. No.	Authors	Title of paper	Journal/ Conf.	Journal/Conf. details
1	Vidya V and R Sudharshan Kaarthik	Parallel operation of integrated battery chargers for all-wheel drive electric vehicles	Journal	IEEE Transaction on transportation and electrification, vol 9 , June 2023
2	K. P. Mohammed Shafi   Joseph Peter, and Rijil Ramchand	Hybrid PWM-based nearly constant switching frequency hysteresis controller for VSI-fed IM drives with reduced peak-to-peak torque ripple	Journal	Journal of Power Electronics, 23, 11, (2023), 1712-1723. DOI: 10.1007/s43236-023-00665
3	Shijin Varghese   Mizaja Parveen K   Mohammed Saleh A   Adharsh K   Muhammedali	Real Time Monitoring and Detection of Abnormal Activities in Distribution Line	Conference Proceedings	IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy <a href="https://doi-org.lib.rivier.e">https://doi-org.lib.rivier.e</a>



Sl. No.	Authors	Title of paper	Journal/ Conf.	Journal/Conf. details
	Shafeeque K   Vinita Chellappan			du/10.1109/pesgre58662 .2023.10404839
4	Stella Kurian   Vinita Chellappan	Speed control of an SRM motor drive	International Conference	International Conference on "Artificial Intelligence, Advanced Materials and Mechatronics Systems" (AIAMMS-2023), JECRC University, Jaipur, Nov. 3-4, 2023
5.	Karthik R Vinita Chellappan	Direct Torque Control Method Of Induction Motor For Speed Control	Techfest And Conference	KETCON 2024 held at Ahalya College of Engineering and Management during 16-18 Feb. 2024
6.	Nimisha K Joseph Peter	Vector Control of Three Phase Induction Motor Using Hysteresis Band Current Controller	Techfest And Conference	KETCON 2024 held at Ahalya College of Engineering and Management during 16-18 Feb. 2024
7.	Sahad P Vidhun M	Simulation of open-loop and closed-loop control of BLDC motor	Techfest And Conference	KETCON 2024 held at Ahalya College of Engineering and Management during 16-18 Feb. 2024
8.	Athira C, Arjun Krishnan K, Aftab O H, Rithul T Joseph Peter	Design And Fabrication Of E-Cycle Using BLDC Motor	Techfest and Conference	KETCON 2024 held at Ahalya College of Engineering and Management during 16-18 Feb. 2024
9.	Deepak B, Ambrose Mibin Ambrose, Gouri Vinod, Adithya M Deepak M	Automated Waste Segregation Machine Using AI	Techfest and Conference	KETCON 2024 held at Ahalya College of Engineering and Management during 16-18 Feb. 2024
10	Navya VN, Meenakshy K, Manju B, Swarun Raj R S,	Wavelet Thresholding for GWO Optimisation for EEG Denoising	Conference	ICTEST 2024 Organized by Govt Model Engg College and technically sponsored by IEEE April 11-13 2024

#### 4.0. PROGRAMMES ORGANISED BY THE DEPARTMENT

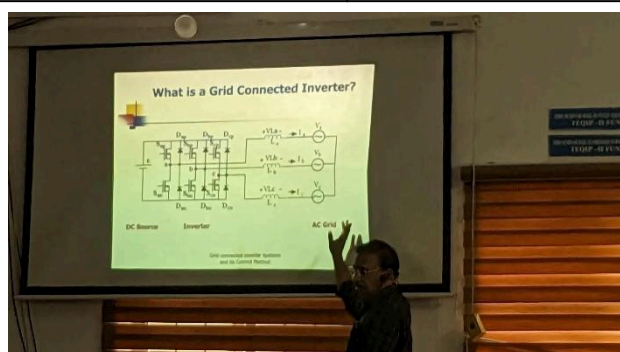
Design and Fabrication of three phase inverter	Dr. Joseph Peter Prof. Vidhun M	14-15 March.2024	Dr. Nakul Narayan Dr. Avinash Nelson AP GEC TCR	S8 EEE 2020 Batch
--	------------------------------------	---------------------	---	----------------------



Hands on session on 'Design and Fabrication of Three Phase Inverter' by Dr. Nakul Narayan

#### 4.1. Visiting Faculty Programmes by the Department

Grid connected inverter and its control method	Dr. Lisy E. R.	12 th March 2024	Dr. M. Nandakumar	S8 EEE 2020 Batch
--	----------------	---------------------	-------------------	----------------------



Dr. M Nandakumar handling session on Grid Connected inverter and its control methods

#### 4.2. TEQIP-III Cell Programmes by the Department

Details of Visit/Workshop	Faculty Coordinator	Dates of programme	Resource persons list/ Industry (names & affiliations)	Number of participants
Effective technical communication and Group discussion	Prof. Muhammad Farooque E K	23-24 June, 2023	Mr. Mohammed Mohzin, Associate Senior Manager-Special Projects, BYJU'S, Bangalore	68 (2k20 batch)



Mr. Mohammed Mohzin interacting with the students during the Group discussion

### 4.3. CORAL funded programmes organized by the Department

#### (a) Student Workshops and Industrial Visits

Details of Visit/Workshop	Faculty Coordinator	Dates of programme	Resource persons list/ Industry (names & affiliations)	Number of participants
Visit to 220 kV Kanjikode Substation, Palakkad	Sajitha M Dr. Mini V	2nd March 2024	KSEB - Industrial Visit	2k21 batch 65 students



Visit to 220 KV Substation, Kanjikode on 2<sup>nd</sup> March 2024

Design to implementation of Buck converter for solar charge controller	Vidhun M Dr. Vinita Chellappan	26-03-2024 27-03-2024	Mr. Abhinav Rajeev CS Square Innovation Lab, IIT Palakkad	42 (S8/S6 students)
--	-----------------------------------	--------------------------	---	------------------------



Workshop on Solar charge Controllers – Session by Er. Abhinav Rajeev



Design of Power Electronic converters	Vidhun M Dr. Joseph Peter	16-03-2024	Dr. Avinash Nelson AP GEC Thrissur	EEE Students (38)
---------------------------------------	------------------------------	------------	---------------------------------------	----------------------



Dr. Avinash Nelson A. P. with the students of EEE on Design of Electronic Converters

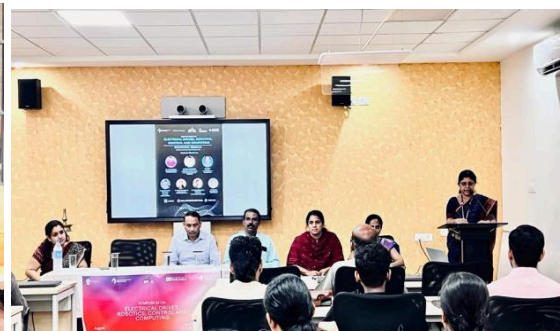
#### 4.4. Outreach Activities

Name of the program	Faculty Coordinator	Details of the programme	Dates of programme
Installation of solar panel at Attappady Kurukkankundu, Mundanpara	Dr. Vinita Chellappan, PI Vidhun M Dr. Joseph Peter Navaneeth M S Dr. Dhanya K M	CORAL immersive internship project by GEC Palakkad	29 - 30 April, 2024

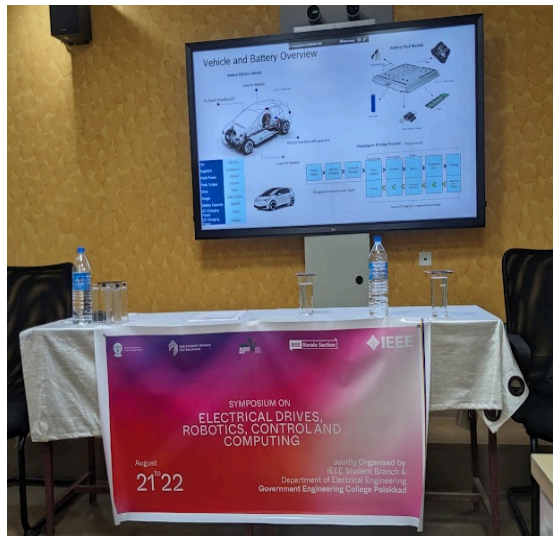
Assessment of solar panel at Attappady Galezy Hamlet	Dr. Vinita Chellappan, PI Vidhun M Navaneeth M S Dr. Dhanya K M	CORAL immersive intership project by IEEE	18-19 Jan, 2024
 <p>Assesment at Galazy Hamlet 18-19 Jan. 2024</p>		 <p>Student and Faculty team at Kurukkan Kundu, Attappady, 29-20 April 2024</p>	

#### 4..5. Seminars/Symposium organized by the Department

Description/ title	Sponsored by	Faculty Coordinator	Date From – To	Resource persons list (names & affiliations)	Number of participants
IEEE Symposium on Electrical Drives, Robotics, Control and Computing	IEEE Kerala Section and MSS IAS Society and IEEE Kerala Section	Dr. Lisy E R Dr. Vinita Chellappan	21-22 Aug. 2023	Prof. Vinod Khadkikar, EECS Department, Khalifa University Dr. Biju K, Secretary, IEEE Kerala Section Mr. Prasanth Pathiyil, Bosch Global Software Technologies, Coimbatore	60



IEEE Symposium inaugurated by Prof. Vinod Khadkikar, EECS Department, Khalifa University, UAE on 21<sup>st</sup> August 2023



**Session on Electric Vehicle to Vehicle (V2V) Charging by Prof. Vinod Khadkikar, EECS Department, Khalifa University, UAE on 21<sup>st</sup> August 2023**



**Session on “Power Converters for EVs” by Dr. Biju K, Secretary, IEEE Kerala Section on 21<sup>st</sup> August 2023**



**Session on “System Engineering in Electric Vehicles” by Mr. Prasanth Pathiyil, Bosch Global Software Technologies, Coimbatore on 21 Aug. 2023**

Description/ title	Sponsored by	Faculty Coordinator	Date From – To	Resource persons list (names & affiliations)	Number of participants
Energy Management & Audit, Various provisions of EC ACT	Energy Efficiency and Conservation Through Standards and Labelling Programme under KSPC, Kalamassery, EMC, Kerala	Vidhun M	March 1, 2024	Sri. K M Shanavaz Joint Director, KSPC & BEE Accredited Energy Auditor	75 students (2k22 batch)
Optimization of Energy Usage in Residential Sector				Sri. Richu Zachariah Asst. Director, KSPC & BEE Certified Energy Auditor	
Energy Conservation Building Codes and its compliance through Standards and Labelling				Sri. Sarun Kumar K P Consultant Engineer, KSPC	



Sri. K M Shanavaz Joint Director, KSPC & BEE Accredited Energy Auditor interacting with the students during the seminar

## 5.0. STUDENT ACTIVITIES

### 5.1. Association Activities by the Department

- Electrical Association inauguration during 2023-24





- Talk on Blended Harmony of life skills and soft skills with interactive English by Ms. Sreedevi Vijayan



- Placement training workshop by Ms. Akshara Thrivi C, 2k20 EEE student





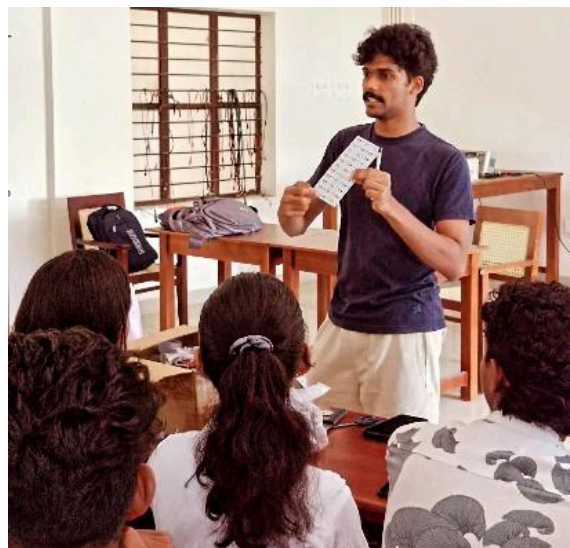
## 5.2. EMRC Activities by the Department

### ➤ Electrical maintenance work in department new block - June 2023

With the assistance of EMRC, whiteboards and Projector fixation has been done in classrooms of the Electrical New block. Student Members: Rithin, Yatheesh, Jenil, Kiran of S4 EEE volunteered the activities under the guidance of technical staff Mr. Pradeep P.



➤ **LED bulb and Electrical maintenance work in department - April 2024**



**Department of Electrical Engineering**

**Student Achievements 2023-24**

1

**Sports**

<b>Batch of the students</b>	<b>Name of the student</b>	<b>Event and dates of Events</b>	<b>Position/ Volunteer/ Coordinator</b>
<b>2020-24</b>	Anuranj M	Soft ball (M)- 20/02/24 & 21/02/24	Third
		Cricket E Zone- 14/02/24 & 15/02/24	Third
<b>2021-25</b>	Manu K R	Cricket E Zone- 21/02/24	Third
		Volley Ball (E Zone)- 11/11/23	Third
		Soft Ball (Interzone)- 21/12/23	Third
		Javelin Throw- 08/02/24	First
	Zainab Afleen	4×100m Relay- 08/02/24	Third
	Amal Suresh K	Long Jump- 08/02/24	Second
		Triple Jump- 08/02/24	First
	Alfiya P J	Handball (Interzone)	First
	Akshay Rajan	Volley Ball (E Zone)- 11/11/23	Third
	Muhammed Irshad P P	Shotput- 08/02/24	First
		Disc Throw	Second
		High Jump	Third
	Fathima Rinsha K	Handball (Inter zone)- 24/12/2023	First
		Handball (E zone)- 21/11/2023	First
		3000m (Running)- 8/02/2024	First
Jenil Justin	4×400m Relay- 08/02/24	First	
<b>2022-26</b>	Preksha K H	Handball (Inter zone)- 24/12/2023	First
		Handball (E zone)- 21/11/2023	First
		Athletics institute level 3000 m (W)- 8/2/24	Second
		athletics institute level 4*100 m (W)- 8/2/24	Second
	Adithya S	High jump (W)	Third
		athletics institute level 4*100 m (W)- 8/2/24	Second
<b>2023-27</b>	Ayisha Hiba K	Handball (Inter zone)- 24/12/2023	First

## Arts

Batch of the students	Name of the student	Event and dates of Events	Position/ Volunteer/ Coordinator
2020-24	Meenuja Taj	Duet Dance- 07/03/24	First
	Arjun J	Keyboard Solo- 10/03/24	First
		Vrindavadyam- 11/03/24	First
		Keyboard Solo- 17/09/23	Second
		Musical Band- 18/03/24	First
		Daksha Arts Festival- 05/03/24	Volunteer
	Vivek K	Mime	First
	Athira C	Daksha Arts Festival- 05/03/24	Volunteer
Yadav M	Mimicry- 16/09/24	Coordinator	
2021-25	Aiswarya P	Semi classical Group Dance -05/03/2024	Second
	Anugraha K P	Vanjipaatt- 05/03/2024	First
		Choreonight- 06/03/2024	Second
		Movie Spoof- 07/03/2024	First
	Anusha M B	Semi classical Group Dance- 05/03/2024	Second
		Kuchipudi- 07/03/2024	Second
		Robowar- 06/04/2024	Second
	Nandhana M S	Origami 28/02/2024	second
		Embroidery 29/02/2024	third
		Choreonight 06/03/2024	second
	Alakananda K T	Ganamela 07/03/2024	Coordinator
	Yatheesh Naik P	Robowar (8k.g)-15/3/24	Second
		Robowar (15k.g)-15/3/24	first
	Shijina V	Patriotic song -17/05/2022	Third
		Malayalam group song-17/05/2022	First
		Patriotic song- 07/03/2024	Second
		Malayalam group song- 07/03/2024	Second
	Nandana Jith K V	Vanchipaatt- 05/03/2024	First
		Patriotic song- 07/03/24	Second
	Anusree M U	Margamkali- 06/03/2024	First
Semi classical Group Dance- 05/03/2024		Second	

2021-25	Gowri Lakshmi P	Embroidery- 29/02/2024	Second
		Thiruvathira- 06/03/2024	Second
	Zainab Afleen K M	Hindi Recitation - 05/03/24	Second
		Monoact - 05/03/24	Second
		Western group dance - 05/03/24	Second
	Noora Nasari C M	Oppana - 05/03/24	Second
	Shree Lakshmi T V	Group dance	Second
		Robowar (5 k.g)- 15/3/24	First
		Robowar (8 k.g)- 15/3/24	First
		Robowar (25 k.g)- 15/3/25	First
	Hanan Muhammed K	Choreonight- 06/03/02024	Second
		Vattappattu- 07/03/2024	First
		Elocution (Malayalam)- 06/03/2024	Third
	Sumisha K M	Choreonight- 06/03/2024	Second
		Thiruvathira- 05/03/2024	Second
	Sanjay D	Mimicry- 05/03/24	First
		Malayalam drama- 05/03/24	Second
	Aryak Nihel V M	Choreonight- 06/03/24	Second
	Aswin Chandra M A	Choreonight- 06/03/24	Second
	K C Neelima	Choreonight- 06/03/24	Second
	Avani Ajeev	Choreonight- 06/03/24	Second
	Aswin Chandra M A	Painting- 27/02/2024	Third
		Water Colouring- 29/02/24	Third
	Labeeb K	Vattappatt- 05/03/24	First
		Choreonight- 06/03/24	second
	Anjana R	Tamil Story Writing- 27/02/2024	First
		Tamil Essay Writing- 27/02/2024	Second
	Manu K R	Gazal Male- 05/03/24	Coordinator
	Alfiya P J	Oppana-05/03/24	second
	Akshay Rajan	Nadanpattu - 05/3/24	Third
Choreonight- 06/03/24		Second	

2021-25	Shuhaib Ibn Musthafa	Vattapattu- 07/03/2024	First
	Muhammed Irshad P P	Vattapattu- 07/03/2024	First
		Arabic Recitation- 06/03/24	Third
	Joan Cicily M J	Oppana- 05/03/24	second
		Elocution english- 04/03/24	first
		Western song solo 04/03/24	Third
		Kuchipudi- 07/03/24	cordinator
		Hindi recitation- 05/03/24	Third
	Aysha Jinan C	Oppana	Second
		Fancy Dress	First
		Stand up comedy	First
		Extempore english	First
	Sanjay D	choreonight- 06/03/24	Second
		Movie spoof- 07/03/24	First
2022-26	Preksha K H	Oppana- 08/03/24	Third
		Hindi debate- 01/03/24	Second
		Fancy dress- 06/03/24	Third
		Invento retro dance- 25/04/24	First
	Adithya S	Institute level Malayalam drama- 06/03/24	First
		Institute level oppana- 07/03/24	Third
Aiswarya V V	Institute level origami- 28/02/24	Second	
2023-27	Remya U	Institute level Hindi short story writing- 27/02/24	First
	Mohammed Fazil M	Institute level duff muttu- 07/03/24	Second
		Institute level Malayalam drama- 06/03/24	First
	Aiswarys S	Institute level oppana- 07/03/24	Third
		Institute level classical group dance- 05/03/24	First
	Ardra santhosh	Thiruvathira	Third
	Reshma K R	Thiruvathira	Third
	Ardra K J	Thiruvathira dance	Third
	Aswathi K R	Retro Dance	Third
Muhammed Afeef KK	Vattappattu	Second	
2023-27	Athmarth M Raj	Vattappattu	Second
		Western Dance	Second
	Devu K Jaimon	Daksha retro competition	Third
		Retro competition (Dakzha)	Third
	Alga	Oppana	first

## Academic

Batch of the students	Name of the student	Paper Presentations/Workshop Details	Position/ Volunteer/ Coordinator
2020-24	Athira C	Presented a paper titled "Design and fabrication of ecycle using BLDC motor" in the Kerala Technological Congress (KETCON 2024) organized by APJ Abdul Kalam Technological University- 16/02/24 & 18/02/24	
	B Deepak	KETCON paper titled "Automated waste segregation machine using AI"- 17/02/24	
2021-25	Anusha M B	ISTE GECPKD Student Chapter 2023-24	Forum Member
	Anusree M U	ISTE GECPKD Student Chapter 2023-24	Forum Member
	Nandana Jith KV	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
	Gowri Lakshmi P	ISTE GECPKD Student Chapter 2023-24	EXECOM
		EMRC	EXECOM
	Zainab Afleen Km	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
		EMRC- 22/02/24	
	Yatheesh Naik P	EMRC	EXECOM
		Robotics Club	EXECOM
		ISTE GECPKD Student Chapter 2023-24	Forum Member
		Techmaghi - IIT DELHI (foundation of electric and hybrid vehicle) -25/11/23	
		EMRC-(arduino programming and embedded system design)-22/2/24	
	Noora Nasari Cm	College of engineering,Perumon ( Industrial Automation)- 28/04/24	
	Shree Lakshmi T.V	ISTE GECPKD Student Chapter 2023-24	Forum Member
	Kiran Satheesan	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
	Shree Lakshmi T.V	Robotics Club	Forum Member
		Techmaghi - IIT DELHI (foundation of electric and hybrid vehicle) -25/11/23	
		EMRC-(arduino programming and embedded system design)-22/2/24	
	Reshma Ravindran	College of engineering,Perumon ( Industrial Automation)- 28/04/24	
Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24			
Ardino programming and embedded system design(EMRC-22/2/24)			
Kc Neelima	Ardino programming and embedded system design(EMRC-22/2/24)		
	College of engineering,Perumon ( INDUSTRIAL AUTOMATION) - 28.04.24.		
	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24		

2021-25	Avani Ajeev	College of engineering,Perumon ( Industrial Automation)- 28/04/24	
		Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		Ardino programming and embedded system design(EMRC-22/2/24)	
	O Muhammed Ajmal	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
	Sneha Ks	Techmaghi- IIT KHARAGPUR(Interiors In Virtual Reality)-07.04.2024	
	Anugraha K P	EMRC-(arduino programming and embedded system design)-22/02/24	
	Manu Kr	EMRC-(arduino programming and embedded system design)-22/02/24	
	Hanan Mohammed K	IEEE GECPKD Student Chapter 2024	EXECOM
	Hanan Mohammed K	MULEARN GECPKD Student chapter 2024	EXECOM
	Labeeb K	ISTE GECPKD student chapter 21-24	Forum Member
	Hanan Mohammed K	ISTE GECPKD Student Chapter 2023-24	Forum Member
	Athmaja K M	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
	Athmaja K M	EMRC-(arduino programming and embedded system design)-22/2/24	
	Anjana R	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		EMRC 22-02-24	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
	Krishnapriya A P	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
		Core Institute of Technology (One Day Webinar on Tech-Driven Urban Planning: Fueling Infrastructure Advancement)-16/03/2024	
	Akshay Rajan	Ardino programming and embedded system design(EMRC-22/2/24)	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
		Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
	Nandhana Ms	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		College of engineering,Perumon ( Industrial Automation)- 28/04/24	
		Ardino programming and embedded system design(EMRC-22/2/24)	
	Rohith Ks	Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		Arduino programming and embedded system design (EMRC-22/02/24)	
Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24			



2021-25	Aiswarya P	IEEE GECPKD Student Branch 2023	EXECOM
		IEEE RFID Malabar Hub 2023	Ambassador
		Attapadi Solar installation Project-29/04/2024 TO 1/04/2024	Volunteer
		Idea Hackathon @GEC PKD- 23/02/2024	PARTICIPANT
		IEEE GECPKD Student Branch 2024	EXECOME
		Drone workshop- INVENTO	COORDINATOR
	Rohith Ks	Robotics club gec palakkad (hands on workshop in robo soccer) 09/03/24 - 10/03/24	
	Aiswarya P	Sustain cross IEEE sight PKD	COORDINATOR
		Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
		Aurdino programming and Embedded system organised by EEE Association EMRC GEC PKD 22/02/2024	
	Dileep Krishna Pb	Arduino programming and embedded system design (EMRC 22/02/24)	
	Muhammed Irshad P P	Aurdino programming and Embedded system organised by EEE Association EMRC GEC PKD 22/02/2024	
	Jenil Justin	EMRC-(arduino programming and embedded system design)-22/2/24	
		EMRC	Execom
		Roadies- INVENTO Sep/2023	Coordinator
LED making Workshop with EMRC and NSS		Volunteer	
2022-26	Nandhana.R	EMRC soldering workshop	
		IEEE talk session	
		Workshop on ethical hacking & cyber security	
		YIP quiz	
	Archana M	IEEE talk section	
		Techmaghi - IIT Kharagpur (Embedded system in EV)- 06/04/24	
2023-27	Ardra Santhosh	Foundation of electric and hybrid vehicles organized by Techmaghi,IEEE Talk session (on the power of fictional realities),thiruvathira	
	Reshma K R	Hands on workshop on Arduino Basic conducted by Robotics club	
	Asna Shajahan	Ardruino Workshop	
	Safreena Sakkir	Techfest & Ketcon 2024(participation)	
		AI for students build your own Ai model(participation)	
	Fathima Reesha K	Workshop on embedded system in EV	
	Fathima Nihala Mp	IEEE webinar	
	Akshaya.M	EMRC Workshop	
		IEEE talk session	
Akshaya.M	Elewayte Webinar		

## MOOC courses attended

Batch of the students	Name of the student	Course	Offering Institute
2020-24	Arjun J	EV Vehicle Dynamics and Modeling	IIT Madras
	Arjun J	Python for data science	IIT Madras
	Athira C	Programming, Data Structures and Algorithms Using Python	IIT Madras
	Vivek K	EV - Vehicle Dynamics and Electric Motor Drives	IIT Madras
	Jishnu M	Programming, Data Structures and Algorithms Using Python	IIT Madras
	Yadav M	EV - Vehicle Dynamics and Electric Motor Drives	IIT Madras
2021-25	Athmaja K M	NPTEL-Air pollution and control	IITR
	Amritha S	NPTEL-Air pollution and control	IITR
	Anugraha K P	NPTEL-Air pollution and control	IITR
	Kiran Satheesan	NPTEL-Introduction To Internet Of Things	IITKGP
	Adhithya Krishna.K.V	NPTEL- Vehicle Dynamics and Electric motor drives	IIT Madras
	Akshay Krishnan P	NPTEL-Introduction To Internet Of Things	IITKGP
	Sabarinath O G	NPTEL-Introduction To Internet Of Things	IITKGP
	Joan Cicily M J	NPTEL- enhancing soft skills and personality	IITK

## Internships attended

Batch of the students	Name of the student	Place	Dates of Programme
2020-24	Arjun J	KANJIKODE 220 KV substation	03/05/2023 to 08/05/2023
	Mohamed Yasin M S	Electrical Section Fort, Thiruvananthapuram	03-05-2023 to 08-05-2023
	Nikhil K	Internship training at Kseb 220kv substation division Shornur	8/05/2023-15/05/2023
	Pavan G Nair	Madakkathara 400 KV Substation	23/5/23-27/5/23
	Athira C	Internship training at Kseb 220kv substation division Shornur	2/5/23 - 6/5/23
	Arjun Krishnan K	Internship training at Kseb 220kv substation division Shornur	02/05/2023 - 07/05/2023
	Nikhil R	KSEB 220KV Sub Station Kanjikode Palakkad	02/05/2023 - 06/05/2023
	B Deepak	KSEB 220KV Substation Kulapully	08/5/2023 - 15/5/2023
	Yadav M	KSEB 220kv Substation, Shoranur	02/05/2023 - 06/05/2023
	Anagha Pk	KSEB Madakkathara Thrissur	24/04/23 - 29/04/23
	Ashika Mohan C	40 KV substation madakkathara, Thrissur	24-04-2023 - 29-04-2023
	Arjun C H	Kerala State Electricity Board (KSEB), Shoranur	02/05/2023 - 06/05/2023
	Swathi K S	Railway	01/04/24 - 05/04/24
	2021-25	Kiran R	Railway
Rijith R		Railway station Substation kanjikode	01/04/24 - 05/04/24
Aswin.M.A		25 kV Sub Station Kanjikode Palakkad	01/04/24 - 05/04/24
Nandhana Ms		railway station substation kanjikode	01/04/2024 - 05/04/2024
Alakananda Kt		Railway Traction Substation	19/02/2024-23/02/2024
Alfiya P J		Railway Traction Substation	19/02/2024-23/02/2024
Fathima Rinsha K		Railway Traction Substation	19/02/2024-23/02/2024
Jinitha Mol K		Railway Traction Substation	19/02/2024-23/02/2024
Mushrifa Sherin		Railway Traction Substation	19/02/2024-23/02/2024
Vismitha T S		Railway Traction Substation	19/02/2024-23/02/2024
Yatheesh Naik P		Railway Traction Substation	01/04/24 - 05/04/24
Rohith Ks		railway station substation kanjikode	1/04/2024 - 05/04/2024
Shree Lakshmi T.V		railway station substation kanjikode	1/04/2024 - 05/04/2024
Sumayya Shahnas P		Railway Traction Substation	19/02/2024-23/02/2024
Nasrin Nazar N		Railway Traction Substation	19/02/2024-23/02/2024
Hanan Mohammed K		Railway Traction substation Kanjikode	16/04/2024-20/04/2024
Anugraha K P		Railway Traction substation kanjikode	16/04/2024-20/04/2024
Labeeb K		railway traction substation kanjikode	16/04/2024-20/04/2024
Reshma Ravindran		Railway Traction substation	16/04/2024-20/04/2027
Namitha K		Railway Traction substation	16/04/2024-20/04/2028
K C Neelima		Railway Traction substation	16/04/2024-20/04/2029
Avani Ajeev		Railway Traction substation	16/04/2024-20/04/2028
Manu Kr		Railway Traction substation	16/04/2024-20/04/2030
Akshay Rajan		Railway Traction substation	16/04/2024-20/04/2031
Bharath B	Railway Traction substation Kanjikode	01/04/24 - 05/04/24	
Jenil Justin	Railway Traction substation Kanjikode	16/04/2024-20/04/2024	
Dileep Krishna Pb	Railway station substation kanjikode	01/04/24-05/04/24	