



NEWSLETTER 2022-23

VISION

TO MAKE THE DEPARTMENT INTO
A DISTINGUISHED CENTER OF
LEARNING, RESEARCH, BUILD
SKILLED PROFESSIONALS WHO
DRIVE TECHNOLOGICAL AND
SOCIETAL SUSTAINABILITY.

MISSION

1. Provide best possible educational facilities for the development of competent and committed professionals.
2. Motivate the students to adopt modern trends in the fields of Electrical and Information technology by the way of design contests and project works.
3. Prepare the student to acquire professional, administrative and soft skills necessary to resolve the technological challenges of the society.
4. Encourage the students to become responsible citizens of Our Nation with a willingness to serve the society.

Editor-in-Chief

Dr. P. Latha

Professor & Head, Dept. of EEE,

GCE, Tirunelveli

Editor

Prof. M. Balasubramanian

Assistant Professor/EEE, GCE, Tirunelveli

A photograph of a building with a sign that reads 'ELECTRICAL & ELECTRONICS'. The building is white with red accents. There are trees in the foreground.

**DEPARTMENT OF
ELECTRICAL AND
ELECTRONICS
ENGINEERING**

ELECTROFREQZ '22

The **ELECTROFREQZ '22** Experimental setup visualization programme for both first & second year students of academic year 2022-23 was conducted on 24.11.2022 in the Department of Electrical and Electronics Engineering. The faculty members have presented various experimental setups related to Electrical and Electronics Engineering on their lab for the benefit of students.



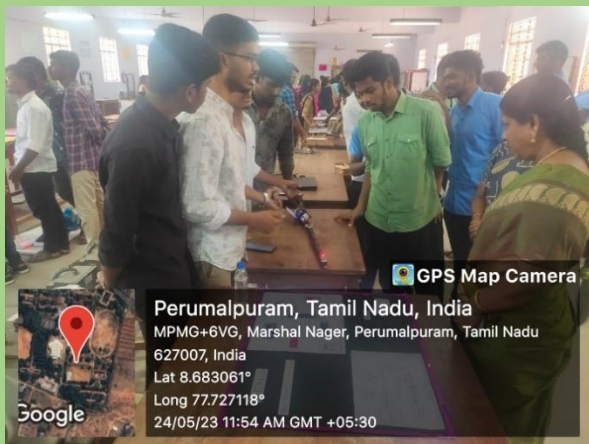
This event has been coordinated by,
1. Prof. M. Balasubramanian
2. Prof. Dr. G. Balasubramanian



MINI PROJECT EXPO '23

The **MINI PROJECT EXPO '23** experimental project exhibition programme for both first & second year students of academic year 2023-24 was conducted on **24.05.2022** in the Department of Electrical and Electronics Engineering by the **Third Year students**.

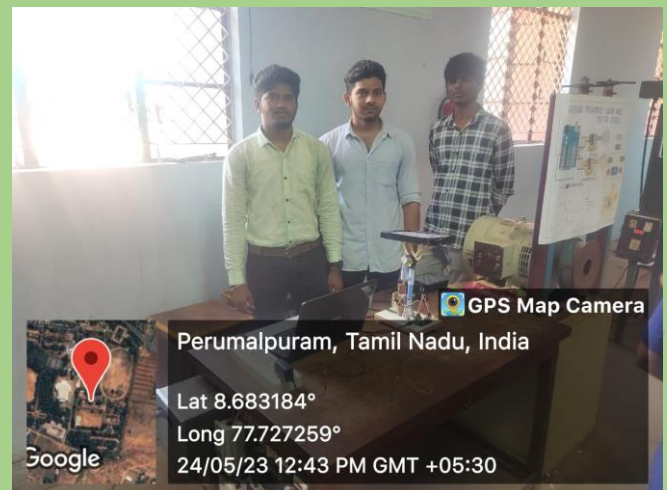




This mini project expo is inspected by Dr.P.Latha head of the department Electrical And Electronics Department .



The expo is visited by every department students.



This is the winner in mini project expo for 2nd year class Electrical and electronics engineering department.



The expo is inspected by all other faculty from all other department.



This is the winner in mini project expo for 4th year class Electrical and electronics engineering department.



This is the winner in mini project expo for 3rd year class Electrical and electronics engineering department.

There were total **17 Mini Projects** kept in the various location based on its location of use and it helped the first year and second year to get various recent technical ideas related to the concept of electrical. Also this event inspired the I year & II year students of EEE towards learning of advanced controllers and recent technologies in Electrical Engineering.

This event has been coordinated by,

1. Prof. M. Balasubramanian
2. Prof. Dr. G. Balasubramanian

Arduino Workshop

One day workshop on Arduino was organised by **Department of Electrical and Electronics Engineering** on **18th February, 2023**. The workshop was organised for 3rd year students who actively participated in the **Hands on training on Interfacing of Arduino with Sensors**. The workshop was conducted by **Mr.D.Ram Kumar, Trainer in Microcontroller, Ielec Systems, Thatchanallur, Tirunelveli**.



Outcomes of the workshop:

- >> Students gained knowledge on writing Arduino programs.
- >> Practically worked on Arduino by interfacing sensors and get Hands on.
- >> Understand Real time applications and live demo of projects.





The inaugural ceremony of the workshop witnessed the presence of the Head of the Department, **Dr . P. Latha** along with the **Co-ordinator, Prof.M.Balasubramanian AP/EEE**

INDUSRIAL VISIT

1.Nuclear power plant

On 13.06.2022 there is an industrial visit were organized in nuclear power plant kudankulam,Kanyakumari district.

There are about 131 students of 2nd and 3rd year and 5 faculty members from electrical and electronics department.



3.KAMCO

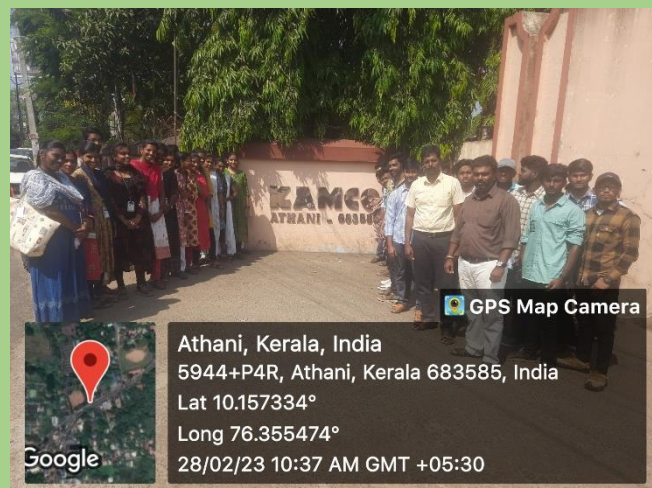
On 28.02.2023 there is an industrial visit were organized in KAMCO PVT Ltd Athani,Kerala.

There are about 50 students of 3rd year and 3 faculty members from electrical and electronics department.

2.Traco

On 27.02.2023 there is an industrial visit were organized in TRACO cabel company Ltd Kochi,Kerala.

There are about 50 students of 3rd year and 3 faculty members from electrical and electronics department.





PLACEMENT-2022-23

S No	Name	Department	Company Name
1	Ramakrishna	EEE	Data Patterns
2	Dhaniya Thavamani	EEE	Light and Wonder Inc
3	Vishali M	EEE	Larsen and Toubro
4	Sweatha V	EEE	TCS Ninja
5	Amritha Bala P	EEE	Larsen and Toubro
6	Bala Sundari A	EEE	Delphi TVS
7	BarathPandian G	EEE	Data Patterns (Off Campus),Pinnacle infotech Solutions
8	Pavithra E	EEE	Pinnacle infotech Solutions , KBR
9	Muthumaheswari L	EEE	Pinnacle infotech Solutions
10	Karthick B	EEE	Pinnacle infotech Solutions
11	Dhinesh Kumar A	EEE	Pinnacle infotech Solutions, Data Patterns
12	Jaya Prakash B	EEE	Pinnacle infotech Solutions
13	Anusha V	EEE	Pinnacle infotech Solutions
14	Vinoth Kumar J	EEE	Pinnacle infotech Solutions , Jasmine Infotech
15	Jeevan R	EEE	Pinnacle infotech Solutions
16	Naren Karthik M	EEE	Pinnacle infotech Solutions
17	Pavithra S	EEE	Pinnacle infotech Solutions
18	Lakshmanan K	EEE	Pinnacle infotech Solutions
19	Maheshwari R	EEE	KBR
20	Kishore Anto A	EEE	KBR
21	Nithin Vignesh S K	EEE	Data Patterns
22	Gowri	EEE	Data Patterns
23	Sri Lalitha	EEE	TCS ninja
24	Shanmuga Priya	EEE	Jasmine Infotech
25	Esakki Durai T	EEE	Data Patterns (off campus)

GATE SCORE-2023

GATE 2023 Result [EE]			
Name		 <i>Gr. Vinisa</i>	
VINISA G			
Registration Number			
EE23S37419019			
Gender			
Female			
Parent's/Guardian's name			
GANESAN V			
Date of birth			
20- March- 2002			
Examination Paper			
Electrical Engineering (EE)			
Marks out of 100 ⁰		All India Rank in this paper	
22.33		5682	
Qualifying Marks ^{##}		GATE Score	
<div style="display: flex; justify-content: space-around;"> <div>25.0 <small>General</small></div> <div>22.5 <small>OBC (NCL)EWS</small></div> <div>16.6 <small>SC/ST/PwD</small></div> </div>		304	
FAQ for GATE Score			

GATE 2023 Result [EE]			
Name		 	
VIGNESH K			
Registration Number			
EE23S37427048			
Gender			
Male			
Parent's/Guardian's name			
KANAKA SABHAPATHY.S			
Date of birth			
17- October- 2002			
Examination Paper			
Electrical Engineering (EE)			
Marks out of 100 ⁰		All India Rank in this paper	
17.0		10879	
Qualifying Marks ^{##}		GATE Score	
<div style="display: flex; justify-content: space-around;"> <div>25.0 <small>General</small></div> <div>22.5 <small>OBC (NCL)EWS</small></div> <div>16.6 <small>SC/ST/PwD</small></div> </div>		214	
FAQ for GATE Score			

SYMPOSIUM



The Symposium has held in Government College of Engineering Tirunelveli organized by society of Electrical and Electronics and event held in the of FESTRONIX'23. It was an inter college symposium EEE department 2nd year students won many prizes .The prize has been given by Principal Dr.S.Sidharthan .

FACULTY PUBLICATIONS

S,NO	Number of quality publications in refereed /SCI Journals, citations, Book/Book chapters
1	Deepika, V., JeyaLakshmi, V., Latha, P. , Raman, R., Kiruthika, V., & Raman, S. (2022). Relationship of fractal analysis in retinal microvasculature with demographic and diagnostic parameters. <i>Microvascular Research</i> , 139, 104237.
2	Dharmalingaswamy, Anitha, & Latha, P. (2023). Additive metric composition-based load aware reliable routing protocol for improving the quality of service in industrial internet of things. <i>Int. Arab J. Inf. Technol.</i> , 20(6), 954-964.
3	Anitha, D., & Latha, P. (2023). Residual Energy and Expected Transmission count based routing protocol for Industrial Internet of Things.
4	Vinisha mary. J and Suganthi. J (2023). Performance Analysis Of Grid Connected Hybrid Systems Using Finite Control Set Model Predictive Control. <i>Journal of Interdisciplinary Cycle Research</i> , 15(10), 86-91
5	Kavitha, P., & Karuvelam, P. S. (2023). An highly efficient optimized pi controller fed sepic converter for hybrid renewable sources based microgrid system. <i>Microprocessors and Microsystems</i> , 104797.
6	Kumar, A. M., & Karuvelam, P. S. (2023). PV Fed EV charging system based on re-lift Luo converter and DAB converter. <i>Journal of Electrical Engineering & Technology</i> , 18(4), 2609-2621.
7	Kavitha, P., & Karuvelam, P. S. (2022). A Novel Controller for Microgrid Interactive Hybrid Renewable Power Sources. <i>Intelligent Automation & Soft Computing</i> , 34(2).
8	Umadevi, C., Gnana sundari, M. , & Karuvelam, P. S. (2022). Performance Analysis of An Intelligent Adaptive Rbfnn Based Novel Mmc-Dstatcom in Grid Connected Pv System.
9	Balasubramanian, M., Selvam, P. , Sagayaraj, R., KP, R., & AR, R. (2021). Novel Predictive Current Controller for DSTATCOM to Improve Power Quality. <i>Annals of the Romanian Society for Cell Biology</i> , 5421-5432.
10	Balasubramanian, M. , & Nagarajan, C. (2022). FFDSOGI-PLL-based DSTATCOM for Power Quality Enhancement. <i>IEIE Transactions on Smart Processing & Computing</i> , 11(5), 376-384.
11	Mohan, Balasubramanian , Saravanan Siddhan, and Nagarajan Chinnadurai. "Alleviation of Power Quality Issues in MVF-DEANF-PLL Based Solar PV Systems under Polluted Grid Conditions." <i>Sustainability</i> 15, no. 21 (2023): 15487.
12	Esakkiammal R, and Dr.Thangaraj A , hybrid wind/pv/battery energy Management for smart dc microgrid using intelligent Fractional order-pid controller, <i>International Journal of Scientific Development and Research</i> , Volume 8 Issue 9, 2023.
13	A. Thangaraj , S. Arockia Edwin Xavier,,R. Pandian. (2022) Optimal coordinated operation scheduling for electric vehicle aggregator and charging stations in integrated electricity transportation system using hybrid technique. <i>Sustainable Cities and Society</i> , Vol.80, (2022)

14	Ida Evangeline Sundarapandi Edward and Rathika Ponpandi (2023). Challenges, strategies and opportunities for wind farm incorporated power systems: a review with bibliographic coupling analysis. <i>Environmental Science and Pollution Research</i> , 30(5), 11332-11356.
15	G.Muthulakshmi, T.Ganesh Kumar, G.Balasubramanian, "Multi Variate Neuro-Statistical Sparse Transform For Gray Scale Images.", <i>Latin American Applied Research</i> , Volume 52, Number 2, Mar 2022, pp. 36-41. 2022.
16	G. Balasubramanian T. Papi Naidu, "Optimal power flow control optimisation problem incorporating conventional and renewable generation sources: a review.", <i>International Journal of Ambient Energy</i> , Volume 43, Number I, Jan 2023, pp. 22-28. https://doi.org/10.1080/01430750.2022.2163287 .

FACULTY TRAINING

CAY (2022 - 2023)						
S. No	Name of the faculty	Designation	Name of the training	Mode of Training	From	To
1	Dr. J. SUGANTHI	Professor (CAS)	Capacity Building Program-Mentor by Forge	Offline	01.09.2022	06.09.2022
			FDP - Design and Development of Electric: Research Challenges and Opportunities	Online	17.10.2022	21.10.2022
2	Dr. P. SELVAM	Associate Professor	NPTEL AICTE FDP on Power Quality Improvement Technique 8Weeks	Online	Jan 2022	Mar-22
3	Dr.G.BALASUBRAMANIAN	Associate Professor(CAS)	LEAP Practicum for Innovative Engineering	Offline	Sep2021	Sep 2022
4	Dr.M.BALSUBRAMANIAN	Assistant Professor	LEAP Practicum for Innovative Engineering	Offline	Sep2021	Sep 2022
			Eight Weeks NPTEL - AICTE FDP on "Power Quality Improvement Technique"	Online	January'21	March'21

			Eight Weeks NPTEL - AICTE FDP on "Fuzzy Logic and Neural Networks"	Online	February '21	April'21
			DoTE Sponsored Forge One week "Capacity Building Program – Innovation Mentor"	Offline	01.09.22	06.09.22
5	Dr. S. IDA EVANGELINE	Assistant Professor	Workshop on "MATLAB for Innovation and Research"	Offline	26.11.2022	-

ELECTRICAL AND ELECTRONICS