

# Towards TOMORROW

[www.periit.com](http://www.periit.com)

Term: News Letter / Volume 10 / Issue date :Dec 2024

DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING



Published by  
PERI IT

Presented by  
**PERI**  
INSTITUTE OF TECHNOLOGY

# Greetings from the Dignitaries...



**Mr. SARAVANAN PERIASAMY**

Chairman, PERI Institute of Technology &  
CEO, PERI Software Solutions Inc., U.S.A.

From our COO Sir...

I congratulate all the students who have put their effort in bringing forth this newsletter of their department and also I like to congratulate all the faculty members and HOD for motivating their students towards this fulfillment.



**Mr. SASIKUMAR VEERARAJAN**

COO, PERI Institute of Technology

From our COO Sir...

I congratulate all the students who have put their effort in bringing forth this newsletter of their department and also I like to congratulate all the faculty members and HOD for motivating their students towards this fulfillment.



**Dr. PALSON KENNEDY**

Principal, PERI Institute of Technology

From our Principal Sir...

The department newsletter will definitely help to showcase the activities that are happening in EEE department. It provides a platform for exposing the merits and academic achievements of the faculty and students. This would positively create an impact in the minds of readers, by way of providing larger perceptibility and dimension to the department. I congratulate all team members for their constant efforts in bringing this newsletter for this academic year \_\_\_\_\_.!

**DEPARTMENT VISION:**

To become a front-runner in bringing out competent Electrical and Electronics Engineers, innovators, researchers, and entrepreneur and thereby contribute value to the knowledge-based economy and society.

**DEPARTMENT MISSION:**

- ❖ To offer good quality Under-Graduate, Post-Graduate and Doctoral programmes in electrical and electronics engineering.
- ❖ To provide state-of-the-art resources that contribute to achieve excellence in teaching-learning, research and development activities.
- ❖ To provide suitable forums to enhance the creative talents of students and faculty members.
- ❖ To enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities with moral values.

## **IINSIGHTS OF THE NEWSLETTER**

### **❖ DEPARTMENTAL EVENTS**

- ◆ ASSOCIATION INAUGURATION
- ◆ GUEST LECTURE
- ◆ CLUB INAUGURATION
- ◆ INDUSTRIAL VISIT
- ◆ WORKSHOP
- ◆ ALUMNI CONNECT

### **❖ STUDENT ACTIVITIES**

- ◆ NPTEL COURSE COMPLETION
- ◆ CO-CURRICULAR ACTIVITIES
- ◆ EXTRA CURRICULAR ACTIVITIES

### **❖ STAFF ACTIVITIES**

- ◆ NPTEL COURSE COMPLETION
- ◆ FDP PARTICIPATION
- ◆ BOOK PUBLICATIONS
- ◆ PATENT FILING



## PEESA ASSOCIATION INAUGURATION



PEESA Association was inaugurated on 3<sup>rd</sup> September, 2024. The event was graced by chief guest Mr. Yukesh G and Mr. Deepak S from UNIQUE MEP ENGINEERING ACADEMY PVT. LTD, principal, vice principal, Head of the department, faculty members, and students.

The chief guest delivered an inspiring keynote address on sustainable energy practices. The inauguration highlighted the association mission to foster innovation and awareness in energy and environmental fields.



## GUEST LECTURE ON “MEP SYSTEM COORDINATION AND COLLABORATION”



**PERI**  
INSTITUTE OF TECHNOLOGY  
(AN AUTONOMOUS INSTITUTION)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, CIVIL & MECHANICAL ENGINEERING

PEESA  
(PERIIT ELECTRICAL ENGINEERING STUDENTS ASSOCIATION)

ORGANIZES

GUEST LECTURE ON  
**MEP**  
SYSTEM COORDINATION AND COLLABORATION

**Er. DEEPAK S**  
BIM Consultant  
UNIQUE MEP ENGINEERING ACADEMY PVT. LTD.

**Mr. YUKESH G**  
MEP Design Engineer  
UNIQUE MEP ENGINEERING PVT. LTD.,

**Dr. R. PALSON KENNEDY**  
Principal

**Mr. B. MAGESH**  
Vice Principal

**Ms. S.L. SREE DEVI**  
HoD - EEE

**Mr. M. PITCHI RAJAN**  
HoD - CIVIL

**Mr. ANILKUMAR**  
HoD - MECH

ADMISSION ENQUIRY - CONTACT US : **91505 94111 / 222**  
PERI Knowledge Park, Mannivakkam, Chennai - 600048

[www.peri.education](http://www.peri.education)  
admissions@peri.education



A Guest Lecture on “MEP SYSTEM COORDINATION AND COLLABORATION” was organized on 03<sup>rd</sup> September 2024 at 10.00 A.M by the Department of Electrical and Electronics Engineering along with EEE Association of PERI IT.

The session featured Mr. Deepak S, BIM Consultant, and Mr. Yukesh G, MEP Design Engineer, as the esteemed speakers. They provided valuable insights into the importance of coordination and collaboration in Mechanical, Electrical, and Plumbing (MEP) systems using modern tools like BIM. The lecture offered students practical knowledge and industry perspectives, enhancing their understanding of real-world applications in MEP design and management.



## INDUSTRIAL VISIT TO TANTRANSCO 230/110KV SUBSTATION, KANCHEEPURAM



A one-day industrial visit to 230/110KV Substation, Kanchipuram was organized on 06<sup>th</sup> September 2024 by Mrs. S.L. Sreedevi, HOD-EEE of PERI IT for II, III and IV Year EEE students. Under the guidance of Mr.R.Tamilamuthan, Assistant Professor and Mrs.P. Aileen Sonia, Assistant Professor. During the visit, students observed the operation of transformers, circuit breakers, and other critical substation components, gaining insights into the transmission and distribution of electricity.

## GREEN WHEELS CLUB INAUGURATION

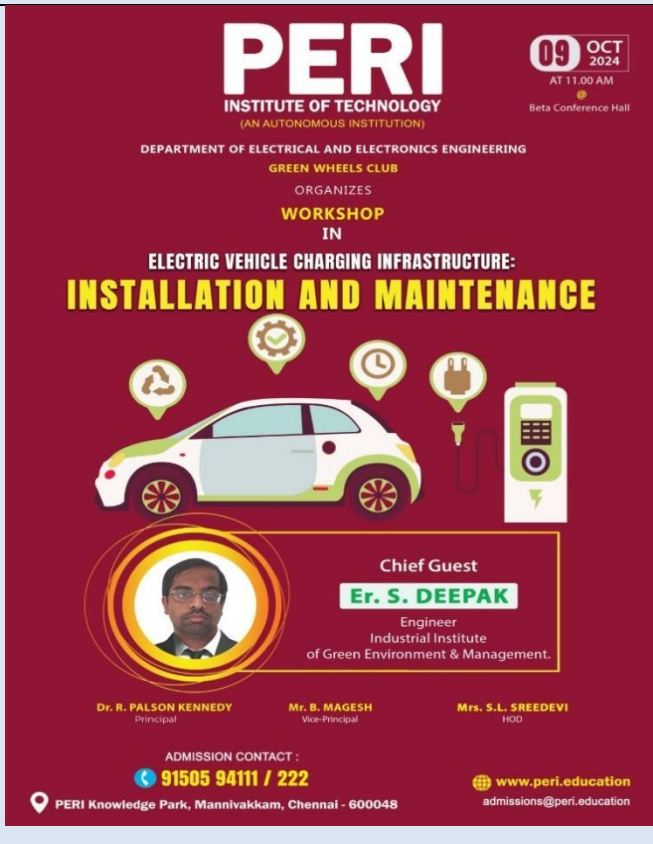


The Green Wheels Club was inaugurated at Peri Institute of Technology on 9<sup>th</sup> October, 2024, by PEESA and the Department of EEE, to promote eco-friendly initiatives and sustainable transportation practices. The event introduced the club members, highlighting their roles in driving environmental awareness on campus.

Faculty and students expressed enthusiasm for future projects focused on green mobility and sustainability. The club aims to foster innovative solutions and collaborative efforts towards a greener future.



## WORKSHOP ON ELECTRIC VEHICLE CHARGING INFRASTRUCTURE INSTALLATION AND MAINTENANCE



**PERI**  
INSTITUTE OF TECHNOLOGY  
(AN AUTONOMOUS INSTITUTION)

09 OCT 2024  
AT 11.00 AM  
Beta Conference Hall

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
GREEN WHEELS CLUB  
ORGANIZES  
WORKSHOP  
IN

ELECTRIC VEHICLE CHARGING INFRASTRUCTURE:  
**INSTALLATION AND MAINTENANCE**

**Chief Guest**  
**Er. S. DEEPAK**  
Engineer  
Industrial Institute  
of Green Environment & Management.

Dr. R. PALSON KENNEDY  
Principal

Mr. B. MAGESH  
Vice-Principal

Mrs. S.L. SREEDEVI  
HOD

ADMISSION CONTACT :  
91505 94111 / 222

www.peri.education  
admissions@peri.education

PERI Knowledge Park, Mannivakkam, Chennai - 600048



GPS Map Camera

Mannivakkam, Tamil Nadu, India  
COLLEGE OF PHARMACY, PERI INSTITUTE OF TECHNOLOGY, Mannivakkam, Tamil Nadu  
600048, India  
Lat 12.88687°  
Long 80.060825°  
09/10/24 10:25 AM GMT +05:30

On 9<sup>th</sup> October, 2024, the Department of EEE and Green Wheels Club at Peri Institute of Technology organized a workshop on "Electric Vehicle Infrastructure Installation and Maintenance." The event was held under the guidance of the chief guest, Er. S. Deepak, from the Industrial Institute of Green Environment and Management. The workshop provided participants with practical insights into EV charging infrastructure, installation techniques, and maintenance practices. Students and faculty actively engaged in discussions, gaining valuable industry knowledge. This initiative highlights the institution's focus on emerging technologies and sustainable development.

## SIX DAYS WORKSHOP ON EMBEDDED C

**PERI**  
INSTITUTE OF TECHNOLOGY  
(AN AUTONOMOUS INSTITUTION)

15 OCT 2024  
10 AM

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
PERIIT ELECTRICAL ENGINEERING STUDENTS ASSOCIATION  
"PEESA"  
Organizes

SIX DAYS WORKSHOP ON  
**EMBEDDED C**

VENUE: POWER SYSTEM SIMULATION LAB  
DATE: 15<sup>th</sup> - 21<sup>st</sup> OCT 2024

**Resource Persons**

**Mr. J. KRISHNASAMY**  
Research and Development Engineer,  
AB Technologies,  
Chennai.

**Mr. V. DILIP**  
Research and Development Engineer,  
AB Technologies,  
Chennai.

**Dr. R. PALSON KENNEDY**  
Principal

**Mr. B. MAGESH**  
Vice-Principal

**Ms. S. L. SREEDEVI**  
HOD - EEE

ADMISSION CONTACT :  
91505 94111 / 222

PERI Knowledge Park, Mannivakkam, Chennai - 600048

www.peri.education  
admissions@peri.education



Department of EEE conducted a 6 days training program titled “Embedded System C Workshop on 18<sup>th</sup> October 2024 to 24<sup>th</sup> October 2024”. The resource person was Mr. Krishnasamy. J, R&D Engineer, AB Technologies, Chennai and Mr. Dilip. V, R&D Engineer, AB Technologies, Chennai.

The program covered the basics of Embedded C, a programming language and its application in real-world scenarios. The students gained hands-on experience in coding and deploying basic programs on the Arduino platform also they learned about the integration of IoT with embedded systems to create smart, connected devices.



Inauguration of Embedded System Training Program



Students actively engaged in hands-on embedded systems practice

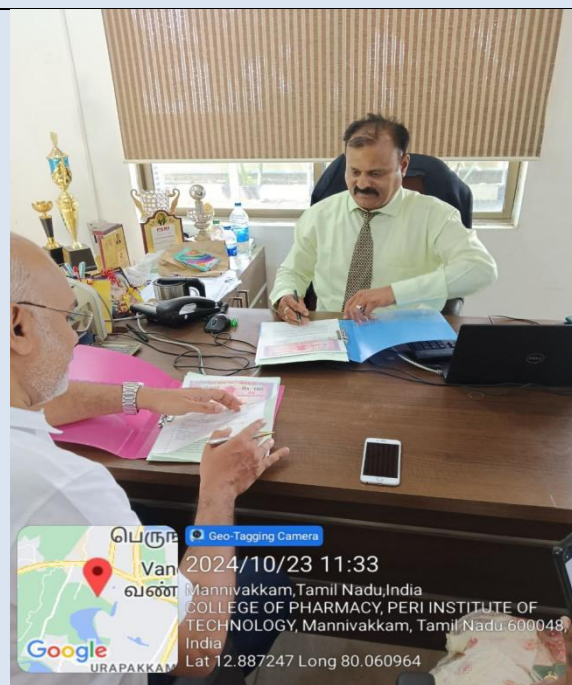


**ALUMNI CONNECT 2024 – ONLINE PRODUCTION MANAGEMENT**

The image is a composite of two parts. On the left is a blue promotional poster for the 'PERI INSTITUTE OF TECHNOLOGY' event. The poster features the PERI logo, the date '28 OCT 2024 AT 10:00 AM' at the 'Beta Conference Hall', and the organizing bodies: 'DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING', 'PEESA (PERIIT ELECTRICAL ENGINEERING STUDENTS ASSOCIATION)', and 'GREEN WHEELS CLUB AND ALUMNI ASSOCIATION'. The main title is 'ALUMNI CONNECT – 2024 (ONLINE MEET) IN PRODUCTION MANAGEMENT'. It features an illustration of three people in a factory setting. The featured speaker is 'Alumnus Mr. VEPANJERI ARAVIND REDDY', an 'ELECTRICAL ENGINEER & PRODUCTION MANAGER' at 'TAJ MANUFACTURING AND AGRO INDUSTRIES, SKYWAYS, NDOLA, ZAMBIA', from the 'DEPARTMENT OF EEE, 2011 – 2015 BATCH'. Other staff listed are Dr. R. PALSON KENNEDY (Principal), Mr. B. MAGESH (Vice-Principal), and Mrs. S.L. SREDEVI (HOD). Admission contact is '91505 94111 / 222' and the website is 'www.peri.education'. The location is 'PERI Knowledge Park, Mannivakkam, Chennai - 600048'. On the right is a screenshot of a Zoom meeting. The title bar says 'PERI EEE (You, presenting)'. The main window shows a presentation slide titled 'PRODUCTION SYSTEM' with a diagram of a 'Carbonator' system. The right sidebar shows a list of participants including Potthigachalam U, Priyanka Susana, R Sivaranj raj, Raghu..., Reshma Reshma, and S Vallarasu. The bottom status bar shows '10:30 AM | Alumni Connect - 2024 (O...'.

Department of EEE at Peri Institute of Technology organized an interactive session "Production Management on 28<sup>th</sup> October 2024." The event brought together alumni and current students to share insights and experiences in managing production processes effectively.

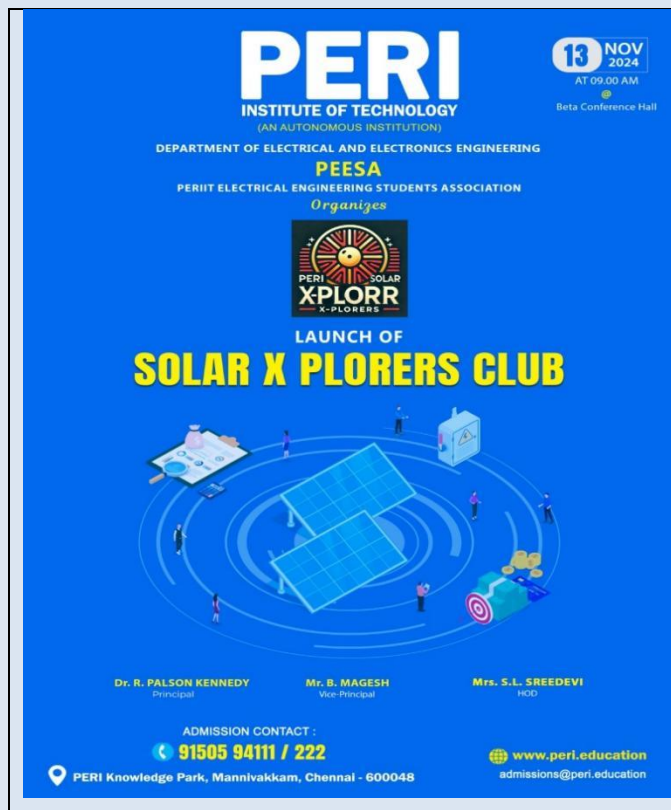
Alumni speakers highlighted industry trends, challenges, and solutions, inspiring the next generation of engineers. The session fostered meaningful connections between alumni and students, enhancing knowledge exchange and professional growth.

**MEMORANDUM OF UNDERSTANDING (MOU)****ILLUSTRIOUS INSTITUTE OF GREEN ENVIRONMENT PVT LTD**

On 23<sup>rd</sup> October, 2024, Peri Institute of Technology signed a Memorandum of Understanding (MOU) with Illustrious Institute of Green Environment Pvt. Ltd. to promote collaboration in sustainable practices and green technologies.

The signing ceremony took place in the presence of the Principal and the Head of the EEE Department. This partnership aims to enhance student learning through industry exposure, internships, and joint research initiatives. It marks a significant step towards fostering innovation and sustainability in education and industry.

## SOLAR X PLORERS CLUB INAUGURATION



The Solar X Plorers Club was inaugurated at Peri Institute of Technology on 13<sup>th</sup> November, 2024, by PEESA and the Department of EEE. The club aims to promote solar energy innovations and create awareness about renewable energy technologies.

Faculty and students expressed enthusiasm for the club's mission to drive sustainable energy practices through projects and workshops. The inauguration marks a significant step towards fostering green initiatives on campus. This initiative aligns with the institution's commitment to sustainability and innovation.



**GUEST LECTURE ON SCOPE OF CORE ENGINEERING**

**PERI**  
INSTITUTE OF TECHNOLOGY  
(AN AUTONOMOUS INSTITUTION)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
SOLAR X PLORERS CLUB  
*Organizes*  
GUEST LECTURE IN  
**SCOPE OF CORE ENGINEERING**

**Guest speaker**  
**R. MOHAMMED SHERFUDDIN**  
Chairman of UNIQUE GROUPS  
Companies: IIGEM, Unique Exim, Ammico,  
Alvoled Trust, Arise International School, IOU - International Open  
University, CEAFMA, Unique MEP Engineering Private Limited,  
Royal Housing.

Dr. R. PALSON KENNEDY  
Principal

Mr. B. MAGESH  
Vice-Principal

Mrs. S.L. SREEDEVI  
HOD

ADMISSION ENQUIRY :  
91505 94111 / 222

PERI Knowledge Park, Mannivakkam, Chennai - 600048

www.peri.education  
admin@peri.education

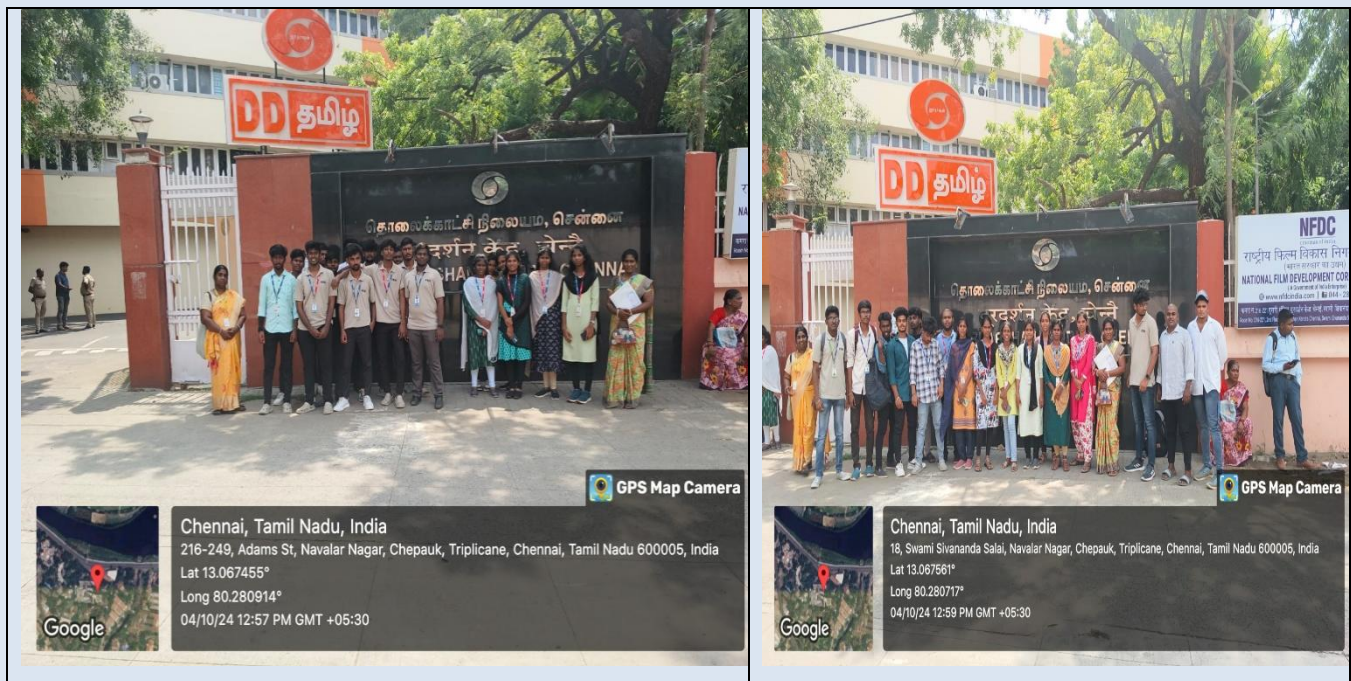
13 NOV 2024  
AT 10.00 AM  
Beta Conference Hall

Mannivakkam, Tamil Nadu, India  
Mba Block, Peri Institute Of Technology, Mannivakkam,  
Tamil Nadu 600048, India  
Lat 12.885816° Long 80.060953°

A guest lecture on “Scope of Core Engineering” was conducted at Peri Institute of Technology on 13<sup>th</sup> November, 2024, at 10:00 A.M. The session featured Mr. Mohammed Sherfuddin, Chairman of Unique Groups, as the esteemed speaker.

He provided valuable insights into the evolving opportunities and advancements in core engineering fields. Students gained a deeper understanding of industry expectations and career prospects. The lecture was an inspiring and informative session for aspiring engineers.

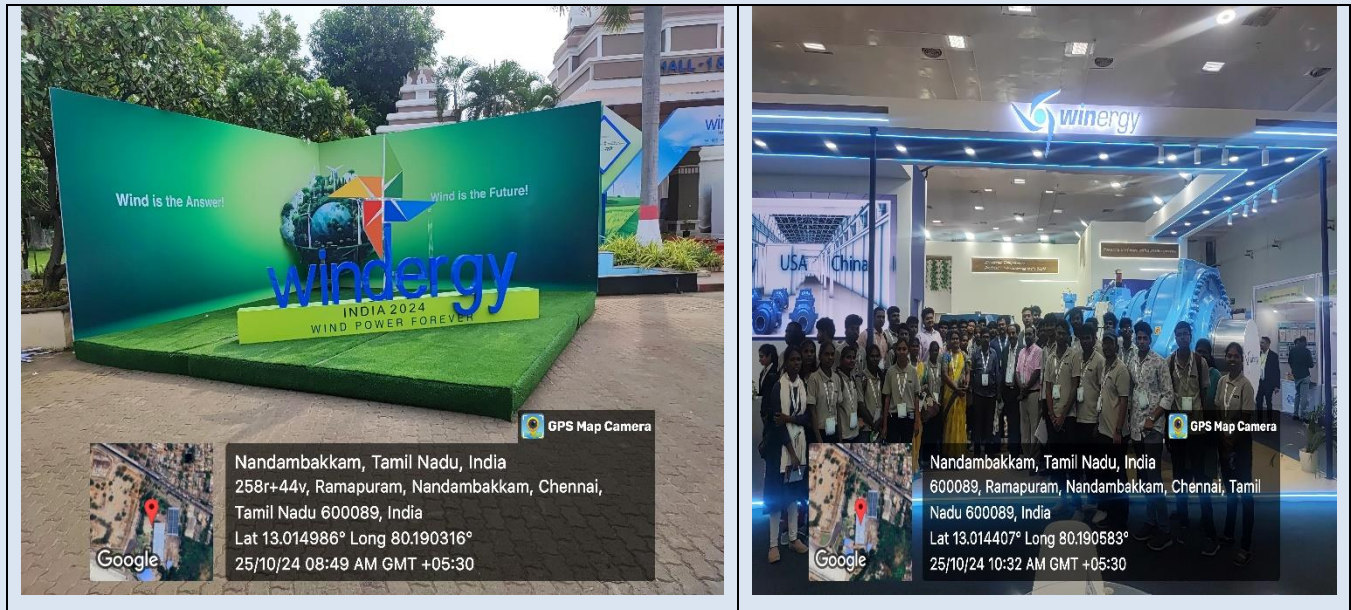
## INDUSTRIAL VISIT TO DOORDHARSHAN KENDRA



A One-day industrial visit to Doordarshan Kendra was organized on 04<sup>th</sup> October 2024 by Mrs. S.L. Sreedevi, HOD-EEE of PERI IT for III and IV Year EEE students. Under the guidance of Dr.S.Suganthi, Assistant Professor and Mrs.P.Priyadharshini, Assistant Professor.

. During the visit students explored the technical operations behind broadcasting and transmission systems. The visit provided practical exposure to real-world applications of electrical and electronic engineering. Students gained valuable insights into industry practices and emerging technologies in media and communication. It was an enriching learning experience for all participants.

## INDUSTRIAL VISIT TO WIND ENERGY EXHIBITION CHENNAI TRADE CENTRE - NANDAMBAKKAM



A one-day industrial visit to the Wind Energy Exhibition at Chennai Trade Centre, Nandambakkam, was organized on 25<sup>th</sup> October, 2024, by Mrs. S.L. Sreedevi, HOD-EEE, Peri Institute of Technology. The visit was arranged for III and IV year EEE students under the guidance of Dr. K. Deepa and Mrs. S. V. Nagalakshmi, Assistant Professors.

Students explored advancements in wind energy technology and sustainable solutions showcased at the exhibition. The visit provided valuable insights into renewable energy applications and industry trends. It was a highly informative and inspiring experience for the students.



## STUDENT NPTEL ONLINE CERTIFICATION DETAILS

| Sl. No | Name of the Student | Year | Name of the course                 | Duration |
|--------|---------------------|------|------------------------------------|----------|
| 1      | Aathinarayanan.G    | III  | Introduction to Internet of Things | 12 Weeks |
| 2      | Deepika.M           | III  | Introduction to Internet of Things | 12 Weeks |
| 3      | Mathan Kumar.P      | III  | Introduction to Internet of Things | 12 Weeks |
| 4      | Prakash B P         | III  | Python for Data Science            | 4 Weeks  |
| 5      | Rahul.B             | III  | Introduction to Internet of Things | 12 Weeks |
| 6      | Saraswathi.S        | III  | Introduction to Internet of Things | 12 Weeks |
| 7      | Sowmya M            | III  | Introduction to Internet of Things | 12 Weeks |
| 8      | Vinitha. s          | III  | Introduction to Internet of Things | 12 Weeks |
| 9      | Vishnu J            | III  | Introduction to Internet of Things | 12 Weeks |
| 10     | Vishnu R            | III  | Introduction to Internet of Things | 12 Weeks |
| 11     | Divya.R             | IV   | Introduction to Internet of Things | 12 Weeks |
| 12     | Kaviya.M            | IV   | Introduction to Internet of Things | 12 Weeks |
| 13     | Nisha.B             | IV   | Introduction to Internet of Things | 12 Weeks |
| 14     | Thivya.S            | IV   | Cloud Computing                    | 12 Weeks |

## FACULTY NPTEL ONLINE CERTIFICATION DETAILS

| Sl. No | Name of the Faculty    | Name of the course                                | Duration |
|--------|------------------------|---------------------------------------------------|----------|
| 1      | Ms.S.L Sreedevi        | Python for Data Science                           | 4 Weeks  |
| 2      |                        | Accreditation and Outcome Based Learning          | 8 Weeks  |
| 3      |                        | Introduction to Law on Electricity                | 8 Weeks  |
| 4      |                        | Fundamentals of Artificial Intelligence           | 12Weeks  |
| 5      | Mr.R.Tamilamuthan      | Computer Architecture                             | 12 Weeks |
| 6      |                        | Cloud Computing                                   | 12 Weeks |
| 7      | Dr.K.Deepa             | Introduction to Internet of Things                | 12 Weeks |
| 8      | Dr. R.Kanthimathi      | Introduction to Internet of Things                | 12 Weeks |
| 9      |                        | Software Testing                                  | 12 Weeks |
| 10     | Ms.P.Aileen Sonia Dhas | Accreditation and Outcome Based Learning          | 8 Weeks  |
| 11     |                        | Machine Learning and Deep Learning - Fundamentals | 12 Weeks |

## STUDENT Co-CURRICULAR ACTIVITIES

## ANNA UNIVERSITY RESULT TOPPERS- APR/MAY 2024

**AU RESULT TOPPERS – APR/MAY 2024**

**ELECTRICAL AND ELECTRONICS ENGINEERING**  
**IV YEAR / VIII SEM**

|                                                                                                                                    |                                                                                                                                        |                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>C PAVITHRA</b><br>GPA – 9.63<br>I Position | <br><b>M YUVA SHREE</b><br>GPA – 9.25<br>II Position | <br><b>S NIVETHA</b><br>GPA – 9.25<br>II Position |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

**III YEAR / VI SEM**

|                                                                                                                              |                                                                                                                                |                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>B NISHA</b><br>GPA – 8<br>I Position | <br><b>S THIVYA</b><br>GPA – 8<br>I Position | <br><b>G VARUN RAJ</b><br>GPA – 8<br>I Position |
|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

**II YEAR / IV SEM**

|                                                                                                                                     |                                                                                                                                     |                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>S VINITHA</b><br>GPA – 8.55<br>I Position | <br><b>BP PRAKASH</b><br>GPA – 8<br>II Position | <br><b>M DEEPIKA</b><br>GPA – 7.95<br>III Position |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|



## STUDENT EXTRA-CURRICULAR ACTIVITIES

| S.No | Name of the Student | Year/Sem | Event              | Position      | Venue                                |
|------|---------------------|----------|--------------------|---------------|--------------------------------------|
| 1    | Vinitha S           | III/V    | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
| 2    | Satya.K             | III/V    | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
| 3    | Saranya N           | III/V    | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
| 4    | Balaji.R            | III/V    | Paper Presentation | Participation | SIMATS                               |
|      |                     |          | Workshop           | Participation | Lewayte                              |
| 5    | Ashish J            | IV/VII   | Paper Presentation | Participation | Crescent Institute of and Technology |
|      |                     |          | Connexions         | Participation | Crescent Institute of and Technology |
| 6    | Bubesh S            | IV/VII   | Connexions         | Participation | Crescent Institute of and Technology |
| 7    | Nikitha N           | IV/VII   | Connexions         | Participation | Crescent Institute of and Technology |
| 8    | Pothigachalam U     | IV/VII   | Paper Presentation | Participation | Crescent Institute of and Technology |
| 9    | Priyanka M          | IV/VII   | Connexions         | Participation | Crescent Institute of and Technology |
| 10   | Sabitha S           | IV/VII   | Connexions         | Participation | Crescent Institute of and Technology |
| 11   | Samy K              | IV/VII   | Paper Presentation | Participation | Crescent Institute of and Technology |
| 12   | Saravanan K         | IV/VII   | Paper Presentation | Appreciation  | Crescent Institute of and Technology |

|    |               |        |                    |               |                                      |
|----|---------------|--------|--------------------|---------------|--------------------------------------|
|    |               |        | Connexions         |               | Crescent Institute of and Technology |
| 13 | Shasidharan K | IV/VII | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
|    |               |        | Connexions         | Participation | Crescent Institute of and Technology |
| 14 | Sivaraj R     | IV/VII | Connexions         | Participation | Crescent Institute of and Technology |
| 15 | Thivya S      | IV/VII | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
|    |               |        | Connexions         | Participation | Crescent Institute of and Technology |
| 16 | Varunraj G    | IV/VII | Paper Presentation | Participation | Crescent Institute of and Technology |
| 17 | Kamaraj.K     | IV/VII | Paper Presentation | Appreciation  | Crescent Institute of and Technology |
|    |               |        | Connexions         | Participation | Crescent Institute of and Technology |
| 18 | A.Sethuraman  | IV/VII | Connexions         | Participation | Crescent Institute of and Technology |

STUDENT EXTRA-CURRICULAR ACTIVITIES



Sabitha S, IV EEE



Varunraj G, IV EEE



## STAFF ACTIVITIES

### BOOK PUBLICATION DETAILS

| S.No | Name of the Faculty    | Title of the Book/Chapter                                         | Book Publication Details                         |
|------|------------------------|-------------------------------------------------------------------|--------------------------------------------------|
| 1.   | Ms. S.L.Sreedevi       | Basics of Electrical and Electronics Engineering                  | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 2.   | Mr. R. Tamilamuthan    | Basics of Electrical and Electronics Engineering                  | Technical Publications<br>ISBN:978-93-6252-238-2 |
| 3    | Dr.S.Suganthi          | Basics of Electrical and Electronics Engineering                  | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 4    | Ms.S.V. Nagalakshmi    | Basics of Electrical and Electronics Engineering                  | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 5    | Dr.K.Deepa             | Introduction to Electrical and Electronics Engineering Profession | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 6    | Ms. S.L.Sreedevi       | Introduction to Electrical and Electronics Engineering Profession | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 7    | Dr.Kanthimathi R       | Introduction to Electrical and Electronics Engineering Profession | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 8    | Ms.P.Aileen Sonia Dhas | Introduction to Electrical and Electronics Engineering Profession | Technical Publications<br>ISBN:978-93-5585-795-8 |
| 9    | S. Vijayalakshmi       | Introduction to Electrical and Electronics Engineering Profession | Technical Publications<br>ISBN:978-93-5585-795-8 |

## PATENT PUBLISHED

| S.No | Name of the Applicant  | Name of the Patent                                                                                                                            | Application No | Published Date |
|------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| 1.   | Dr.R.Kanthimathi       | Design,Analysis and Implementation of MAYFLY-MANFIS Algorithm Based Novel BL- Cuk Modified AC- DC Converter for Renewable Energy Applications | 202441068439A  | 01/11/2024     |
| 2    | Ms. S.L.Sreedevi       | Development of Electrical power generation on railway tracks                                                                                  | 202441089473   | 29-11-2024     |
| 3    | Dr.S.Suganthi          | Development of Electrical power generation on railway tracks                                                                                  | 202441089473   | 29-11-2024     |
| 4    | Ms.P.Aileen Sonia Dhas | Development of Electrical power generation on railway tracks                                                                                  | 202441089473   | 29-11-2024     |

## CONFERENCE PUBLICATION DETAILS

| S.No | Name of the Faculty | Title of the Paper                                                                                                                 | Journal Details                                                                                            | Published Date           |
|------|---------------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------|
| 1.   | S.L. Sreedevi       | Efficient power extraction in Off- grid photovoltaic systems with landsman converter: an adaptive fuzzy control approach           | International conference on circuit power and computing technologies (ICCPCT),Vol.2(08),                   | 23 October 2024          |
| 2.   | S.L. Sreedevi       | Hybrid PV and grid integrated EV charging system with isolation and SPWM control                                                   | International conference on recent trends and development in electrical and power engineering (ICRTDEPE24) | 12.12.2024 to 13.12.2024 |
| 3.   | Dr.K.Deepa          | Anti-Sleep Alarm for Drowsiness of Driver                                                                                          | International conference on recent trends and development in electrical and power engineering (ICRTDEPE24) | 12.12.2024 to 13.12.2024 |
| 4.   | Dr.S.Suganthi       | Design Of Modified Buck Converter Using Interleaved Second Order Topology And Mimo Control Approach                                | International conference on recent trends and development in electrical and power engineering (ICRTDEPE24) | 12.12.2024 to 13.12.2024 |
| 5.   | Dr.K.Deepa          | Step down cycloconverter                                                                                                           | International conference on recent trends and development in electrical and power engineering (ICRTDEPE24) | 12.12.2024 to 13.12.2024 |
| 6.   | Dr.K.Deepa          | Multilevel InverterDesign for Solar Energy System                                                                                  | International conference on recent trends and development in electrical and power engineering (ICRTDEPE24) | 12.12.2024 to 13.12.2024 |
| 7.   | Dr.S.Suganthi       | Influence of stator windings turns on performance parameters of design optimized spoke-Inset fractional slot Ipm synchronous motor | International Journal of Creative Research Thoughts (IJCRT)                                                | 12.12.2024               |

## FDP DETAILS

| S.No | Name of the Faculty    | Title of the FDP                                                                                                 | FDP Details                                                                                                                 | FDP Date                                                    |
|------|------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 1.   | Ms.P.Aileen Sonia Dhas | Accreditation and outcome based learning                                                                         | NPTEL – AICTE Faculty Development Programme                                                                                 | August- October 2024                                        |
| 2.   | Ms.P.Aileen Sonia Dhas | Hands on AI Tools for Academic Writing: Elevate your Research and Publishing Impact                              | “Short term Training Program” at St. Joseph’s College of Engineering                                                        | October 21 <sup>st</sup> – 26 <sup>th</sup> 2024            |
| 3.   | Ms.S.L.Sreedevi        | Innovation and Entrepreneurship                                                                                  | Five day online Program on IPR                                                                                              | 16 <sup>th</sup> December 2024 to 20 <sup>th</sup> Dec 2024 |
| 4.   | Ms.S.L.Sreedevi        | Online FDP on Exploring emerging trends and future directions in machine learning - integrated VLSI design       | Online FDP at SRM Institute of Science and Technology , Ramapuram                                                           | 03.07.2024 to 10.07.2024                                    |
| 5.   | Ms.S.L.Sreedevi        | Powering the future Integrating Electric vehicles with Smart Grid                                                | Department of EEE, Bharath Institute of Higher education and Research                                                       | 27/08/2024 to 31/08/2024                                    |
| 6.   | Ms.S.L.Sreedevi        | Artificial Intelligence’s impact on transforming software, Robotics, Electrical, Electronics & Mechanical fields | Dhaanish Ahmed college of Engineering                                                                                       | 05/08/2024 to 10/08/2024                                    |
| 7.   | Ms.S.L.Sreedevi        | Climatic Crisis and Mitigation through Sustainable Development of Energy and Environment Systems                 | AICTE Training And Learning (ATAL) Academy Faculty Development Program at Sri Krishna College of Engineering and Technology | 16/12/2024 to 21/12/2024                                    |



|    |                    |                                                                                                  |                                                                                                                                |                          |
|----|--------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 8. | Ms.S.L.Sreedevi    | Python for Data Science                                                                          | NPTEL 4 week course<br>Rool No:<br>NPTEL24CS68S138300105<br>Score 68%                                                          | July-Aug 2024            |
| 9. | Ms.S.L.Sreedevi    | Accreditation and outcome based learning                                                         | NPTEL FDP 8 week course<br>Rool No:<br>NPTEL24GE66S961300565<br>Score 68%                                                      | Aug- October 2024        |
| 10 | Ms.S.L.Sreedevi    | Fundamentals of Artificial Intelligence                                                          | NPTEL FDP                                                                                                                      | July- October 2024       |
| 11 | Ms.S.L.Sreedevi    | Introduction to Law on Electricity                                                               | NPTEL FDP                                                                                                                      | July - Sep 2024          |
| 12 | Ms.S.L.Sreedevi    | Design of solar power plant using PVSystem software for home and commercial Application          | workshop                                                                                                                       | 24-November-2024         |
| 13 | Ms.S.L.Sreedevi    | IPR Innovation and Entrepreneurship held                                                         | FDP                                                                                                                            | 16-12-2024               |
| 14 | Dr.K.Deepa         | Climatic Crisis and Mitigation through Sustainable Development of Energy and Environment Systems | AICTE<br>Training And Learning (ATAL) Academy Faculty Development Program at Sri Krishna College of Engineering and Technology | 16/12/2024 to 21/12/2024 |
| 15 | Ms.S.V.Nagalakshmi | Climatic Crisis and Mitigation through Sustainable Development of                                | AICTE<br>Training And Learning (ATAL) Academy Faculty Development Program at Sri Krishna College of                            | 16/12/2024 to 21/12/2024 |

|    |                      |                                                                                                  |                                                                                                                             |                          |
|----|----------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|
|    |                      | Energy and Environment Systems                                                                   | Engineering and Technology                                                                                                  |                          |
| 16 | Ms. S. Vijayalakshmi | Climatic Crisis and Mitigation through Sustainable Development of Energy and Environment Systems | AICTE Training And Learning (ATAL) Academy Faculty Development Program at Sri Krishna College of Engineering and Technology | 16/12/2024 to 21/12/2024 |

## Our Editorial Team Members

❖ Mrs.Sreedevi.S.L. HOD/EEE

❖ Mrs. S. Vijaya Lakshmi, AP/EEE