



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited
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PROGRAMME REPORT ON

Field Visit-Industrial visit

Resource Person

Mr.Naveen Kumar, Field Officer, Grid-Tie Solar Systems , Cochin.

Organized by

EEE- PMIST



**PERIYAR MANIAMMAI INSTITUTE OF
SCIENCE & TECHNOLOGY**

Periyar Nagar, Vallam, Thanjavur - 613403
Tamil Nadu, INDIA

FACULTY OF ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

| Industry / Field Visit | Place of visit | Beneficiaries |
|--|---|--|
| Industry Visit | Grid-Tie solar power system by Team sustain ,Kerala | II, III & IV Year EEE Students and Faculty members |
| Date / Period: 21.08.2025-23.08.2025 | | |
| Report / Summary: An industrial visit was conducted by Team Sustain to the grid-tie solar power system installed at Wonderla, Kochi. The primary objective was to understand the real-world application of solar energy in a commercial setting comprising 68 monocrystalline panels , the setup uses Sunny Tripower inverters to convert DC to AC and feeds electricity directly into the grid without battery storage. Remote monitoring is enabled via Sunny WebBox and SensorBox, allowing for real-time performance tracking. The system produces an estimated 83 kWh annually, reducing carbon emissions by approximately 0.1 metric tons per year. The visit highlighted the benefits of grid-tied systems—low maintenance, high efficiency, and optimal land use. It also emphasized the importance of integrating sustainable energy in commercial establishments. | | 65+4 |



| Industry / Field Visit | Place of visit | Beneficiaries |
|--|--|--|
| <p>During the visit, students got a detailed look at key manufacturing stages: from wire drawing and stranding to insulation, sheathing, and quality testing. The facility spans approximately 8,000 m², including both factory and laboratory areas. It includes comprehensive testing capabilities for conductor tensile strength, elongation, and electrical resistance which offering a hands-on view of industry-standard quality assurance as per IS:1554.</p> <p>The unit's infrastructure includes a dedicated 11 kV feeder and ample water supply systems to support continuous operations. The modernization efforts via fresh investments in advanced machinery were also emphasized, illustrating Traco's drive to improve productivity and competitiveness.</p> | Traco Cables | II, III & IV Year EEE Students and Faculty members 65+4 |
|  |  | |

Department of Electrical and Electronics Engineering

Periyar Nagar, VallamThanjavur - 613 403, Tamil Nadu, India
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Email: headeee@pmu.edu Web: www. pmu.edu



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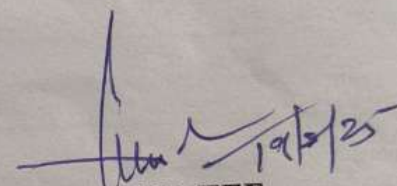
Office note No. 18/ EEE/2025 PMIST/Date: 19.08.2025

Sub: Permission for Industrial Visit - Reg.

From the Department of Electrical and Electronics Engineering (EEE), we are arranging an Industrial visit to Kerala for 65 students from the II year, III year, and IV year along with 3 teaching and 2 non-teaching staff members. The group will be visiting three industries in Kerala from 21.08.2025 to 23.08.2025. So, we kindly request you to grant on-duty for three days both students and staff members to benefit the students' practical knowledge and exposure.

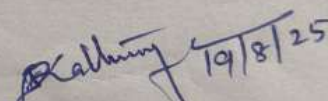
Encl:

The name list of Students, Staff and schedule are attached for reference.


19/8/25
HOD/EEE

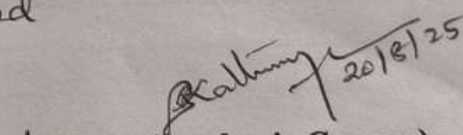
Date: 19.08.2025

Remarks: Forwarded and recommended


19/8/25
Dean FET

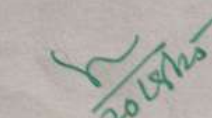
Date: 19/08/2025

Remarks: Forwarded and recommended


20/8/25
for Dean (Academic Courses)

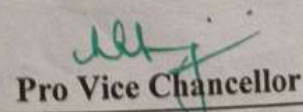
Date: 20/08/2025

Remarks:


20/8/25
Registrar

Date:

Remarks:


Pro Vice Chancellor

Date:

List of Staff *accompany*

| | | |
|----|---------------------|-------------------------|
| 1 | Dr.K.Maruliya Begam | Associate Professor |
| 2. | Mr.B.Balaji | Assistant Professor(SS) |
| 3. | Mr.A.Ashokraj | Assistant Professor |
| 4. | Mrs.MPagutharivu | Teaching Assistant |
| 5. | Mrs.S Gayathri | Teaching Assistant |

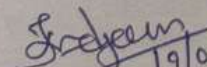
List of Students:

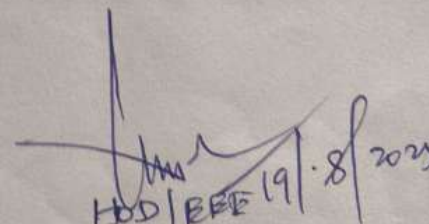
| S.No. | Year | Register Number | Name of the Student |
|-------|------|-----------------|---------------------|
| 1 | IV | 122012014476 | AAKASH S |
| 2 | IV | 122012014477 | ABDUL MUBEEN S |
| 3 | IV | 122012014478 | ASHIR ROHAN S |
| 4 | IV | 122012014480 | MOHAMED ASHAR A |
| 5 | IV | 122012014481 | MOHAMED YOOSUF A |
| 6 | IV | 122012014483 | MUGINESH K |
| 7 | IV | 122011014484 | RAHILA SIDHIQA A |
| 9 | IV | 122011014486 | SWARNIKHA K P |
| 10 | IV | 122012014487 | TONY HORIZEN J |
| 11 | IV | 122012014488 | VISHNUPRASAD V |
| 12 | IV | 123012064466 | DINESHKUMAR S |
| 13 | IV | 123012064467 | MOHAMMED IRFAN A |
| 14 | IV | 123012064470 | SIVAMANI C |
| 15 | IV | 123012064471 | VIKRAM N |
| 16 | IV | 123012064473 | VASANTH K |
| 18 | IV | 123012074001 | SUNDAR R |
| 17 | IV | 123012074002 | SAKTHIKROSHAN M K |
| 18 | III | 123012014494 | DINESH R |
| 19 | III | 123012014495 | KISHOR K |
| 20 | III | 123012014500 | SUJAN R |
| 21 | III | 123011014501 | THULASI S |
| 22 | III | 123011014502 | AFRAH NAFILA S |
| 23 | III | 123012014503 | DEEPAK A |
| 24 | III | 123011014504 | QUEENLIYA P |
| 25 | III | 123012023007 | MOHAMED YAHYA M |
| 26 | III | 123012014506 | CHINNASAMY S |
| 27 | III | 123012014507 | KABILAN R |
| 28 | III | 124012064476 | DRAVID B |
| 29 | III | 124012064477 | GOKUL R |
| 30 | III | 124012064479 | HEDDWYN SARRON P |

Dr. K. Maruliya Begam
Coordinator
(Dr. K. Maruliya Begam)

HOD / EEE
(Dr. V. Hamsadhwani)
19/8/20

| | | | |
|----|-----|--------------|-------------------|
| 31 | III | 124012064480 | SAIRAM A |
| 32 | III | 123012023001 | AJAY S |
| 33 | III | 123012023002 | AKILAN B |
| 34 | III | 123012023003 | ARAVINDHKUMAR S |
| 35 | III | 123012023004 | ARBUTHARAJA R |
| 36 | III | 123012023005 | BOOBALAN M |
| 37 | III | 124012074003 | HARIHARAN S |
| 38 | III | 123012023006 | KARTHIKEYAN S |
| 39 | III | 123011023009 | SANGAVI S |
| 40 | III | 123011023011 | SAROJINI S |
| 41 | III | 123012023012 | SIVARAMAN M |
| 42 | III | 123012023013 | TILAK E |
| 43 | III | 123012023014 | UMAR FAROOK I |
| 44 | III | 123012014505 | VISHNU S |
| 45 | III | 124012064481 | VIJAY S |
| 46 | III | 124012064482 | YOGESH K |
| 47 | II | 124012014508 | AKILAN V |
| 48 | II | 124012014509 | ALANT LINTO S |
| 49 | II | 124012014510 | ARUL VIGNESH S |
| 50 | II | 124012014512 | EDISON RAJ S |
| 51 | II | 124012014513 | MOHAMED ANOUS M S |
| 52 | II | 124012014515 | MOHAMED JASSIM S |
| 53 | II | 124012014516 | POOVARASAN T |
| 54 | II | 124012014517 | PREMPRASANTH G |
| 55 | II | 124012014520 | STANLY A |
| 56 | II | 124012014521 | VISHAL M |
| 57 | II | 125012064484 | GOWSIGAN P |
| 58 | II | 125012064487 | ROKESH VARMA S |
| 59 | II | 125012064488 | SANJAY B |
| 60 | II | 125012064489 | SANTHOSH KUMAR P |
| 61 | II | 125012064490 | SIVA GANESH T |
| 62 | II | 125012064491 | VENKADESHAN P |
| 63 | II | 125012064483 | GOKUL R |
| 64 | II | 125012064493 | DHARSHAN G |
| 65 | II | 125012064494 | EZHILAN S |


 19/08/2025
 Coordinator
 A.K. Marulija Begam


 19/8/2025
 (Dr. V. Hamsadhwani)



MARULIYA BEGAM K AP(SG)/EEE <maruliyabegam@pmu.edu>

Permission for Industrial visit - Regarding

Production - Irimpanam <production.ipm@tracocable.com>
To: "MARULIYA BEGAM K AP(SG)/EEE" <maruliyabegam@pmu.edu>

Mon, Aug 18, 2025 at 11:19 PM

Respected Sir,

We accept your request for IV on 22/08/25 between 9 am-4 pm. Please bring the hard copy of the Bonafide request letter from your college along with the fee of Rs.4500 + 18% GST (5310) for up to 90 students.

Due to raw material shortage currently, there is no production in our company, but if you are interested you can come and visit the plant and machinery and we will explain about the Products, Production process and will issue the certificate.

With regards,

RAJESHKUMAR K S

Engineer (Production & Maintenance)



From: MARULIYA BEGAM K AP(SG)/EEE <maruliyabegam@pmu.edu>

Sent: Monday, August 18, 2025 4:57 PM

To: Production - Irimpanam <production.ipm@tracocable.com>

Cc: HOD EEE <headeee@pmu.edu>

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14 AUGUST 2025

To,
Dr.K.Maruliya Begam,
Associate Professor,
Department of Electrical and Electronics Engineering,
Periyar Maniammai Institute of Science & Technology,
Vallam, Thanjavur - 613403

Dear Sir,

Greetings from Wonderla, Kochi!

We are pleased to arrange an Industrial Visit in **20.4 kW grid-tie solar power system installed by Teamsustain**

77 Students & 6 Faculty members from Department of Electrical and Electronics Engineering

of your college on **21 AUGUST 2025**, at our **Kochi** Park. The time for industrial visit will be informed once you arrive at the park.

The purchase of entry ticket is mandatory since this industrial visit is conducted inside the park premises, on the day of visit, pls contact the Help Desk with your booking number (*BDE001270*) to proceed.

Please inform us in advance if there is any change in your schedule.

For any further assistance, pls feel free to Mr Karthikeyan @ 75938 53157/ naveenkumar.r@wonderla.com

Regards,

Authorized Signatory.



Branches

Bangalore Park (Reg.office): 28th KM, Mysore Road, Bangalore: 562 109 | Ph: +91 80 37230333 | Email: mail.blr@wonderla.com

Kochi Park: Pallikkara, Kumarapuram P.O., Kochi: 683 565 | Phone: +91 484 2684001 | Email: mail.cok@wonderla.com

Hyderabad Park: ORR, Exit No. 13, Ravirala Post, Hyderabad: 501 510 | Ph: +91 40 23490301 | Email: mail.hyd@wonderla.com

Bangalore Resort: 28th KM, Mysore Road, Bangalore: 562 109 | Ph: +91 80 33710333 | Email: resort.blr@wonderla.com