



M.I.E.T. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)
UG - CSE, EEE & MECH Programs Accredited by NBA, New Delhi
Accredited with 'A+' grade by NAAC
An ISO 9001:2015 Certified Institution
Recognized by UGC under section 2(f) & 12(B) of UGC Act, 1956
Trichy – Pudukkottai Road, Tiruchirappalli – 620 007. Phone:0431-2660 303
Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu



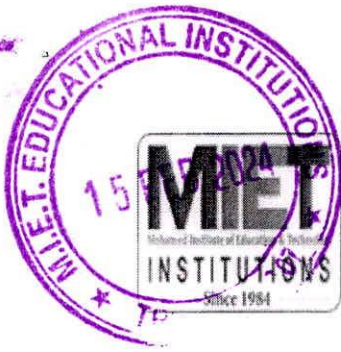
1.3.3: Number of Students undertaking project work/field work/internship during last year

Dept: B.E. Electronics and Communication Engineering

Academic Year-2023-2024

Sl.No	Description	Page No.
1	Field Work Details	2-21


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15/2

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

15.02.2024

Note: Submitted to the Chairman,

Through Principal,

Respected Sir,

Sub: Requesting Permission to go for Industrial visit to our Third year ECE students -Reg.

It is planned to go for Industrial visit to **Kerala** for 2 days (19.02.2024 & 20.02.2024) for our third year ECE students. The schedule is given below

Industrial visit date	Company name /place
19.02.2024	Kerala Electrical & Allied Engineering Co.Ltd
20.02.2024	Wonderla Holiday Limited - Kochi

No. of Boy students	27
No. of Girl students	3
No. of Male Staff accompanying	1
No. of Female Staff accompanying	1

Kindly grant us permission to go for industrial visit.

Thanking you

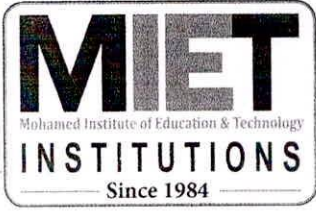

Industrial Visit Coordinator
[B.T. KRISHNA AP/BME]


HOD/ECE


Principal 15/2/24


Chairman 19/2/24


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Trichy-Pudukkottai Main Road, Tiruchirappalli - 620 007. Ph: 0431 - 2660 303

Website : www.miet.edu, Email : principalengg@miet.edu, contact@miet.edu



Dr. A. Naveen Sait M.E., Ph.D.
Principal

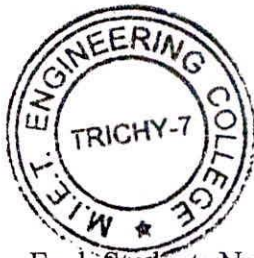
Date :

16.02.2024

To

Shaji M. Varghese
Managing Director
Kerala Electrical & Allied Engineering Co. Ltd
Kochi - India.

This is to certify that the enclosed list of names is the bonafide student of this institution studying in Third Year Electronics and Communication Engineering of our college. All the 25 students along with 02 staff members will visit your organization.



Encl: Students Name List

J. Sait
16/2/24
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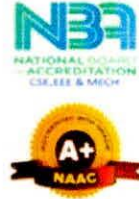
J. Sait
PRINCIPAL

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M.I.E.T. ENGINEERING COLLEGE

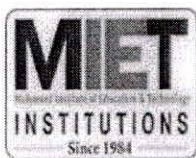
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Industrial Visit Feedback form from Industry

Course & Department	B.E & ECE
Sem / Year	VI / III
Date(s) of Visit and Time	19.02.2024 and 10.00 AM.
No. of Students visited	24
Accompanying Staff Members	02
Name & Address of the Company	Kerala Electrical & Allied Engg. co. Ltd, Mamala (PO) Kochi-682305.
Feedback about the students	Students are interactive and obedient.
Technical details about the Company	Manufacturing of Transformer in different range.
Authorized Signatory with Name / Designation and Seal	
Any other comments	-

SMITHA THOMAS
PERSONNEL OFFICER
KERALA ELECTRICAL & ALLIED ENGG. CO.LTD.
(A GOVT. OF KERALA UNDERTAKING)
MAMALA P.O., KOCHI - 682 305, KERALA
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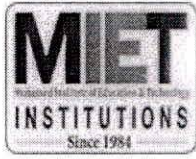
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Department of Electronics and Communication Engineering Report on Industrial Visit

S.No.	Particulars	Description																												
1	Year/Semester	III/VI																												
2	Place of visit	Kerala																												
3	Total No. of Days	2																												
4	Date(s) of visit	19.02.2024 & 20.02.2024																												
5	Total no of students	24 (21 Boys & 03 Girls)																												
6	No. of Staffs accompanied	2 (1 Gents & 1 Lady)																												
5	Name of the Industry1 with address	Kerala Electrical & Allied Engineering. Co.Ltd, (A government of Kerala undertaking) Mamala, Kochi																												
	Name of the Industry 2 with address	Wonderla Holidays Limited,Kerala																												
6	Objective of the Industrial visit	To provide students an insight regarding internal working of companies.																												
7	About the Industry1 with address	A Multi-Product Engineering Company with 50 plus years of experience, now proudly serving an envious client base including Defence, Irrigation and Power Projects. Kerala Electrical & Allied Engineering. Co.Ltd, (A government of Kerala undertaking) Mamala, Kochi																												
	About the Industry 2 with address	It is previously known as Veega land, is located 15 km from kochi city and is home to 50 plus amusement rides. Wonderla Holidays Limited,Kerala																												
8	Brief about the Students Observation	Students learned about Distribution Transformers, Corrugation Transformers, Solar Transformers, Amorphous Transformers, Medium Power Transformers, and Special Application of Transformers																												
9	Outcome of the industrial visit	The primary and secondary winding process of transformer and designed the lamination process for minimizing losses in transformer																												
10	Feedback about the companies visited	Faculties of both the Industries explained very well about the work carried out in their industries. Students get motivated to work in such environment.																												
11	CO, PO and PSO MAPPING																													
	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>PO1</th> <th>PO2</th> <th>PO3</th> <th>PO4</th> <th>PO5</th> <th>PO6</th> <th>PO7</th> <th>PO8</th> <th>PO9</th> <th>PO10</th> <th>PO11</th> <th>PO12</th> <th>PSO1</th> <th>PSO2</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>-</td> <td>-</td> <td>-</td> <td>L</td> <td>H</td> <td>L</td> <td>H</td> <td>H</td> <td>-</td> <td>L</td> <td>-</td> <td>H</td> <td>L</td> </tr> </tbody> </table>		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	H	-	-	-	L	H	L	H	H	-	L	-	H	L
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2																	
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[Signature]
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Department of Electronics and Communication Engineering Report on Industrial Visit

Company Name : Kerala Electrical & Allied Engineering Co.Ltd,
Mamala, Kochi, Kerala- 682305

Date of visit : 19.02.2024 (Monday)

No. of Students : 24

Year/Semester : III/VI

Objective of visit : During the industrial visit the student able

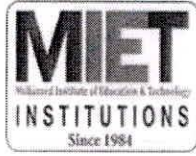
- To realize the construction of transformer rated 11KV/220V
- To acquire the knowledge of designing bushings in transformer
- To identify the primary and secondary winding process of transformer
- To know about the lamination process for minimizing losses in transformer
- To impart the knowledge of insulating oil in a transformer

About the company: A Multi-Product Engineering Company with 50 plus years of experience and expertise in Engineering Industry mainly transformer manufacturing, and proudly serving an envious client base including Defence, Irrigation and Power Projects, Space Research Organizations, State Electricity Boards, Indian Railways and the General Public both in India and abroad. The Company which is a Public Sector Undertaking fully owned by Govt. of Kerala has four state-of-the-art manufacturing units spread across Kerala and has a pan India presence with its Sales and Service unit in all major metros and selected cities.

Outcome of visit: After the completion of industrial visit, the student able to

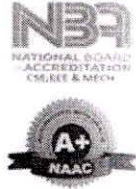
- Industrial visit provided student a practical perspective on the world of work.
- It helps students to understand the working methods and employment practices applied at KEL.
- Students are exposed to real working environment and shown how things are done in an organization.
- To explain the role of insulating oil in a transformer.

A. Chof
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

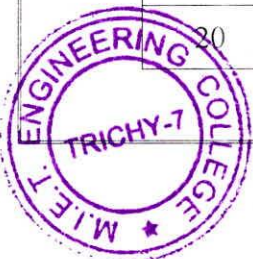
Year/Sem: II/IV

Academic Year: 2023-2024(Even)

INDUSTRIAL VISIT

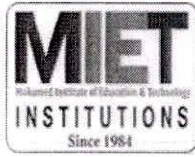
Students Name List

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1	812421106001	AHAMED YASEEN S
2	812421106003	AMEEN MOHIDEEN S
3	812421106005	ASARAB ALI A
4	812421106012	MADHUMIDHA M
5	812421106016	MOHAMED NAUFAL J
6	812421106017	MOHAMED SUHAJ B
7	812421106018	MOHAMED THARIK A
8	812421106019	MOHAMED VASIM HUSSAIN K
9	812421106022	PRAGADEESWARAN V
10	812421106023	SANJAY V
11	812421106026	SRIGANTH S
12	812421106028	SUJITH MUNNA S
13	812421106029	SYED ASHIK S
14	812421106030	VIMAL R
15	812421106031	VISHNU VARTHAN S
16	812421106301	AADITHIYA
17	812421106303	DALVIN GNANA RAJA D
18	812421106304	DEVA S
19	812421106305	HARISH.V
20	812421106306	MAHESWARI G



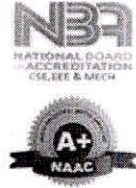
A. S. S.
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21	812421106307	MANJARI
22	812421106308	MARIMUTHU A
23	812421106309	SHAIK BAREETH M
24	812421106310	SHANMUGA NATHAN S
25	812421106312	VIJAY K


Accompanying Staff Members

S.No	Employee Number	Staff Name	Designation
1.	E121413	Mr. S. Suraj Kumar	Assistant professor
2.	E123404	Mrs. R. Anitha	Assistant professor

Hostel Girls Name List

S.No	Roll Number	Name
1.	E1214010	Madhumidha M
2.	E2224034	Manjari R


IV CO-ORDINATOR
[B.J. LERTHIKA AP/ECE]


HOD/ECE


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GUNDUR, TIRUCHIRAPALLI - 620 007



KERALA ELECTRICAL & ALLIED ENGINEERING CO. LTD.

(A GOVERNMENT OF KERALA UNDERTAKING)

MAMALA P.O., KOCHI - 682 305

An ISO 9001-2015 Certified Company

Phone : 0484-2787707, 2787981, 2946120

E-mail : mamala@kel.co.in

CIN : U31200KL 1964 SGC002062

Website : www.kel.co.in

MPA/61/ 7199 /24

15.02.2024

The HOD
M.I.E.T. Engineering College,
Trichy.

Respected Sir,

Sub: **Permission for Industrial Visit – Reg.**

Ref: Your Letter Dated 14.02.2024.

With reference to the above permission is granted for 30 Nos. Electronics & Communication Engineering Students & 2 faculty members of your college to visit our Factory at Mamala, Kochi on 19.02.2024 from 9.30 am to 12 am.

You are requested to remit Rs.1,000/- towards visiting fee and GST @ 18% extra (Rs.180/-).

The students may be directed to observe the rules of the Company regarding safety and conduct inside the factory premises.

Photography / Videography is strictly prohibited in company premises.

Thanking you,

Yours faithfully,
For KERALA ELECTRICAL & ALLIED ENGG.CO.LTD,


PERSONNEL OFFICER

Geo-tagged Photos




Industrial Visit Coordinator
[B. J. K. R. H. K. A.]


HOD/ECE


Principal


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M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPALLI - 620 007.

CO AND PO, PSO MAPPING

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO1	PSO2
H	-	-	-	L	H	L	H	H	-	L	-	H	L

Geo-tagged Photos




Industrial Visit Coordinator
 [B.T. CURT HPA]


HoD/ECE


Principal


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E-mail : mamala@kel.co.in

CIN : U31200KL 1964 SGC002062

Website : www.kel.co.in



MPA/61/ 7393 /24

19.02.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that a batch of 24 Nos. third year Electronics & Communication Engineering Students & 2 Faculty Members of M.I.E.T Engineering College, Tiruchirapalli, Tamil Nadu have visited Mamala Unit of our Company on 19.02.2024.

PERSONNEL OFFICER

SMITHA THOMAS
PERSONNEL OFFICER
KERALA ELECTRICAL & ALLIED ENGG. CO.LTD.
(A GOVT. OF KERALA UNDERTAKING)
MAMALA P.O., KOCHI - 682 305, KERALA

Registered & Corporate Office

Mamala P.O., Thiruvankulam, Tripunithura, PIN 682 305, India

EPABX : 0484-2310012, ENGINEERING COLLEGE

E-mail : info@kel.co.in Website : www.kel.co.in



2/11/23



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

20.11.2023

Note: Submitted to the Chairman,
Through Principal,

Respected Sir,

Sub: Requesting Permission to go for Industrial visit to our second year ECE and BME students – Reg.


It is planned to go for Industrial visit to Radio Astronomy Centre, **Ooty** for one day (23.11.2023) for our second year ECE and BME students. The schedule is given below

Industrial visit date	Company name /place
23.11.2023	Radio Astronomy Centre, Ooty.



No. of Boy students	25
No. of Girl students	18
No. of Male Staff accompanying	1
No. of Female Staff accompanying	2

Kindly grant us permission to go for industrial visit.

Thanking you


Industrial Visit Coordinator
B.T. Kiruthika
AP/ECE


HoD ECE


Principal 20/11/23

Chairman


PRINCIPAL
M.I.E.T. ENGINEERING COLLEGE
GUNDUR, TIRUCHIRAPALLI - 620 007.

2/11/23

Radio Astronomy Centre

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

Post Box 8, Udthagamandalam (Ooty) - 643 001, TAMIL NADU, INDIA

Telephone: 0423 - 2244880/888 Fax : 0423 - 2244900

Web: www.rac.ncra.tifr.res.in Email: racvisit@ncra.tifr.res.in



Ref No :RAC_IV_2k23_11_07

Dated: 20-11-2023

To

The HOD,
Department of ECE,
M.I.E.T Engineering College,
Tiruchirappalli – 620 007.

Sub : Free Visit to Radio Astronomy Centre – Permission granted

Ref : Request received on 16/11/2023 by email/post.

Dear Sir / Madam,

With reference to your visit request, we are pleased to accord our permission for visiting this Centre, as detailed below.

No. of Persons Visiting : 40 Students + 3 Staff Members.
Date & Time of Visit : 23/11/2023 (Thursday at 10:30 hrs.)

About the institution*:

The Radio Astronomy Centre (RAC) is purely a research organization engaged in research & training Ph.D students in the field of Radio Astrophysics. The Ooty Radio Telescope (ORT) is located in Muthorai near Ooty, in southern India. It is part of the National Centre for Radio Astrophysics (NCRA) of the Tata Institute of Fundamental Research (TIFR), which is funded by the Government of India through the Department of Atomic Energy.

The Ooty Radio Telescope which is an equatorial mounted cylindrical parabolic antenna of size 530-metre (1,740 ft) long and 30-metre (98 ft) wide. It operates at a frequency of 326.5 MHz with a maximum bandwidth of 15 MHz at the front end. The Ooty Radio telescope has been designed and fabricated with domestic Indian technological resources. The ORT was completed in 1970 and continues to be one of the most sensitive radio telescopes in the world.

Note for the visitors:

The visiting students will be shown a video show on the Ooty Radio Telescope and basics of radio astronomy. They can also visit the telescope site and watch the rotation of the telescope (if possible). **Saturdays and Sundays are holidays** for the centre & hence if you plan to visit this centre on Saturdays, Sundays and Govt. holidays, you will be able to watch only the video show.

Staff members are requested to confirm the following, **bring a letter of permission to enter the campus**, all students wear valid Identity card issued by the College/Organization authorities and **maintaining the discipline in the campus**.

If you are bringing students for any industrial visit, you may please note that RAC is not a factory. No transport or accommodation will be provided by this centre for the above visit. This visit is offered absolutely **FREE** of Cost.

How to reach?

You can reach our centre from Ooty Bus Stand through Ooty Boat House – J.S.S. Public School – Theetukkal – Melcowhaty village route. Bring your vehicle up to our premises in order to avoid ~1 km walk.

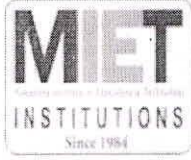
visited on
23/11/2023 at
3.15 PM

RADIO ASTRONOMY CENTER
Tata Institute of Fundamental Research
POST BOX No: 8
UDTHAGAMANDALAM, OOTY, TAMIL NADU, INDIA

With regards,

P. Praveen SA (C)

*For more details visit our website.

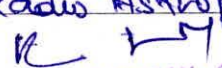


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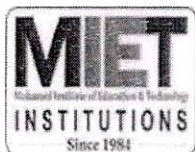
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Industrial Visit Feedback form from Industry

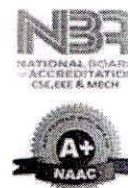
Course & Department	Electronics & Communication Engg.
Sem / Year	II / II
Date(s) of Visit and Time	23/11/23 at 10:30
No. of Students visited	49
Accompanying Staff Members	03
Name & Address of the Company	Radio Astronomy Center Tata Institutional of fundamental research
Feedback about the students	Students co-operation was very good, while seeing the Company and all the aspects.
Technical details about the Company	The Radio Astronomy Center (RAC) is purely a research organization engaged in research & training Ph.D students in the field of Radio Astrophysics
Authorized Signatory with Name / Designation and Seal	 RADIO ASTRONOMY CENTRE Tata Institute of Fundamental Research P. O. Box 8, Dotyairund 643 001.
Any other comments	


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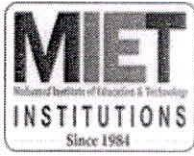
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 Website:www.miet.edu, E-mail:principalengg@miet.edu, contact@miet.edu



Department of Electronics and Communication Engineering Report on Industrial Visit

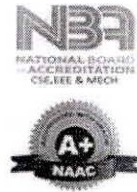
S.No.	Particulars	Description																												
1	Year/Semester	II/III																												
2	Place of visit	Udhagamandalam, Ooty.																												
3	Total No. of Days	1																												
4	Date(s) of visit	23.11.23																												
5	Total no of students	9 Girls and 27 Boys = 36 Students.																												
6	No. of Staffs accompanied	3																												
5	Name of the Industry with address	Radio Astronomy Centre, Udhagamandalam, Ooty.																												
6	Objective of the Industrial visit	To provide students an insight regarding internal working of Radio Astronomy Centre.																												
7	About the Industry with address	The Radio Astronomy Centre is about 8 km from Ooty, and 1.5 km from the Muthurai. The Radio Astronomy Centre (RAC) is purely a research organization engaged in research & training Ph.D students in the field of Radio Astrophysics. It operates the Ooty Radio Telescope (ORT), which is an equatorial mounted cylindrical parabolic of size 530 m long and 30 m wide.																												
8	Brief about the Students Observation	The visiting students were showed a video show on the radio telescope and basics of radio astronomy. They visited the telescope site and watch the rotation of the telescope.																												
9	Outcome of the industrial visit	Students learned Radio Astrophysics through 20min Video and also know the working of the Parabolic Reflector in Radio Astronomical Centre.																												
10	Feedback about the companies visited	We hope to get more chances further to have such an informative & wonderful experiences of visiting different industries.																												
11	CO, PO and PSO MAPPING																													
	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>PO1</th> <th>PO2</th> <th>PO3</th> <th>PO4</th> <th>PO5</th> <th>PO6</th> <th>PO7</th> <th>PO8</th> <th>PO9</th> <th>PO10</th> <th>PO11</th> <th>PO12</th> <th>PSO1</th> <th>PSO2</th> </tr> </thead> <tbody> <tr> <td>H</td> <td>-</td> <td>-</td> <td>-</td> <td>L</td> <td>H</td> <td>L</td> <td>H</td> <td>H</td> <td>-</td> <td>L</td> <td>-</td> <td>H</td> <td>L</td> </tr> </tbody> </table>	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	H	-	-	-	L	H	L	H	H	-	L	-	H	L	
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2																	
H	-	-	-	L	H	L	H	H	-	L	-	H	L																	

A. S. J.
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Department of Electronics and Communication Engineering

Report on Industrial Visit

Company Name : Radio Astronomy Centre, NCRA - TIFR,
Udhagamandalam, (Ooty) -643 001.

Date of visit : 23.11.2023 (Thursday)

No. of Students : 9 Girls and 27 Boys = 36 Students

Year/Semester : II/III

Objective of the visit: During the industrial visit the students were able to learn

- Real-time monitoring of solar origin of space weather.
- Study of magnetic and plasma processes during solar flares and coronal mass ejections (CMEs).
- RFI monitoring for astronomical science, education and outreach.

About the Visit (Student's observation):

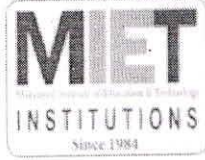
- Students learned about ORT, which is a cylindrical parabolic cylinder 530mx30m in size operating at a frequency of 326.5Hz.
- The feed consists of an array of 1056 dipoles. The key feature is digitization and cross-correlation of the signals of every set of 4-dipoles. This converts the ORT into a 264 element interferometer with a field of view of 2 degrees x $27\cos(\delta)$ degrees. This upgraded instrument is called the **Ooty Wide Field Array (OWFA)**.

Outcome of the visit: After the completion of industrial visit, the student able to

- To understand the construction and working of Ooty Wide Field Array(OWFA) and Ooty Radio Telescope(ORT).
- To know the working of The e-Callisto, which is an international network of Solar Radio Spectrometers. The **Radio Astronomy Centre (NCRA-TIFR)** at (Ooty), maintains two of the spectrometers for observational facility.

CO AND PO, PSO MAPPING

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
H	M	L	-	L	M	L	M	-	H	-	M	H	M



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Department of Electronics and Communication Engineering Industrial Visit

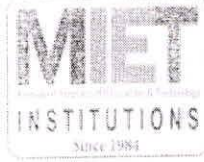
Year/Sem: II/III

Academic Year: 2023-2024(Odd)

S.NO	REGISTER NUMBER	NAME OF THE STUDENT
1	812422106001	Aarthi A
2	812422106002	Abdul Ajish N
3	812422106003	Agalya D
4	812422106004	Atchaya T
5	812422106006	Calep Jabez.M
6	812422106007	Chandru M G
7	812422106008	Dharani R
8	812422106009	Faahim M
9	812422106010	Gopinath N
10	812422106011	Gurumoorthi K
11	812422106013	Harish T
12	812422106016	Kailasa Manickam.M
13	812422106017	Karthikeyan.S
14	812422106018	Keerthi Varshan P B
15	812422106019	Kishore Kumar R
16	812422106020	Kishore N
17	812422106023	Manusha S
18	812422106025	Mohamed Aswith A
19	812422106031	Parthiban S
20	812422106032	Ragavan G
21	812422106033	Raheem M
22	812422106037	Semmozhivarman P


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23	812422106038	Sivamanickam M
24	812422106039	Syed Barvees J
25	812422106041	Vaazim Ahamed A
26	812422106042	Venkadesh Prasath S
27	812422106043	Vergin Frankiya K
28	812422106044	Vignesh Kumar L
29	812422106045	Yahya B
30	812422106046	Yogeswari S
31	812422106301	Andrew Xavier J
32	812422106302	Mohamed Ajmal M
33	812422106303	Mouleshwari M
34	812422106304	Prakash Kumar s

Accompanying Staff members Name & Sign:

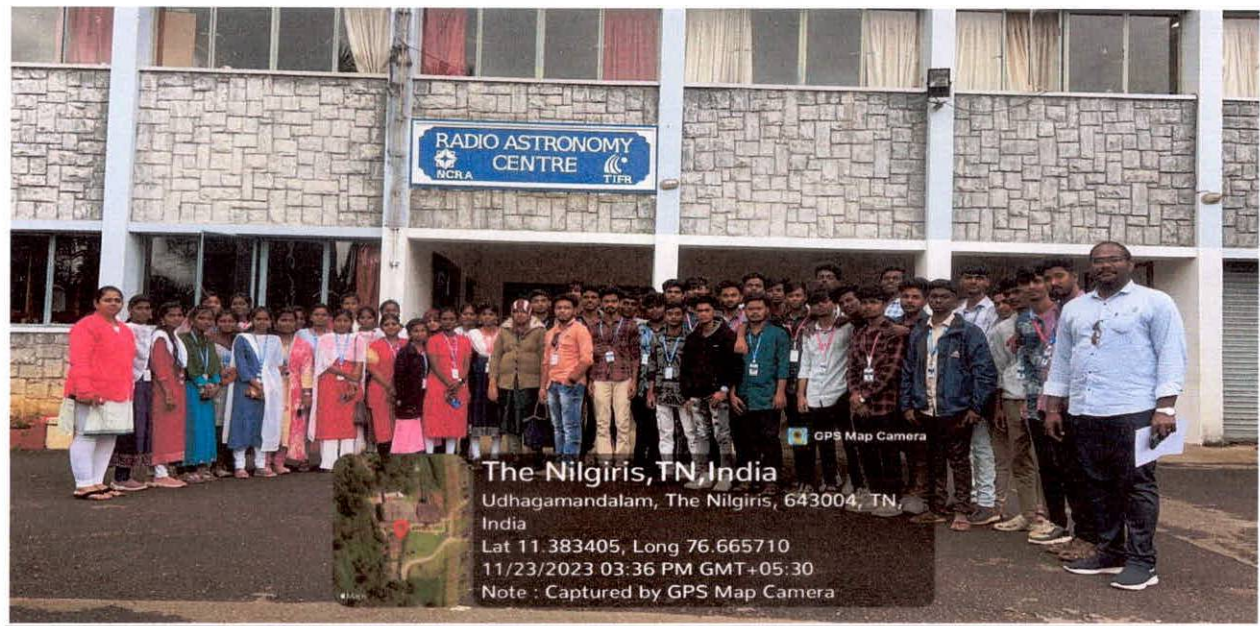
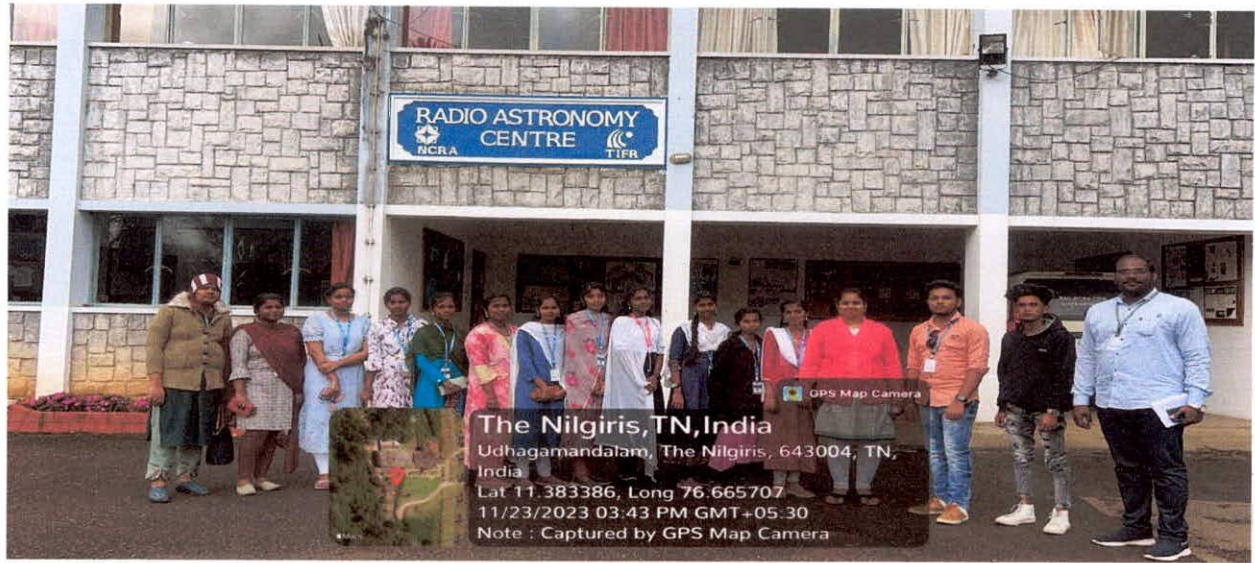
S.No	Employee Number	Staff Name	Designation
1.	E122423	Mr. N. Dharmaraj	Assistant professor
2.	E123401	Mrs. V. Keerthana	Assistant professor
3.	E123403	Mrs. P. Gayathiri	Assistant professor


IV CO-ORDINATOR


HoD/ECE


Principal
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Principal
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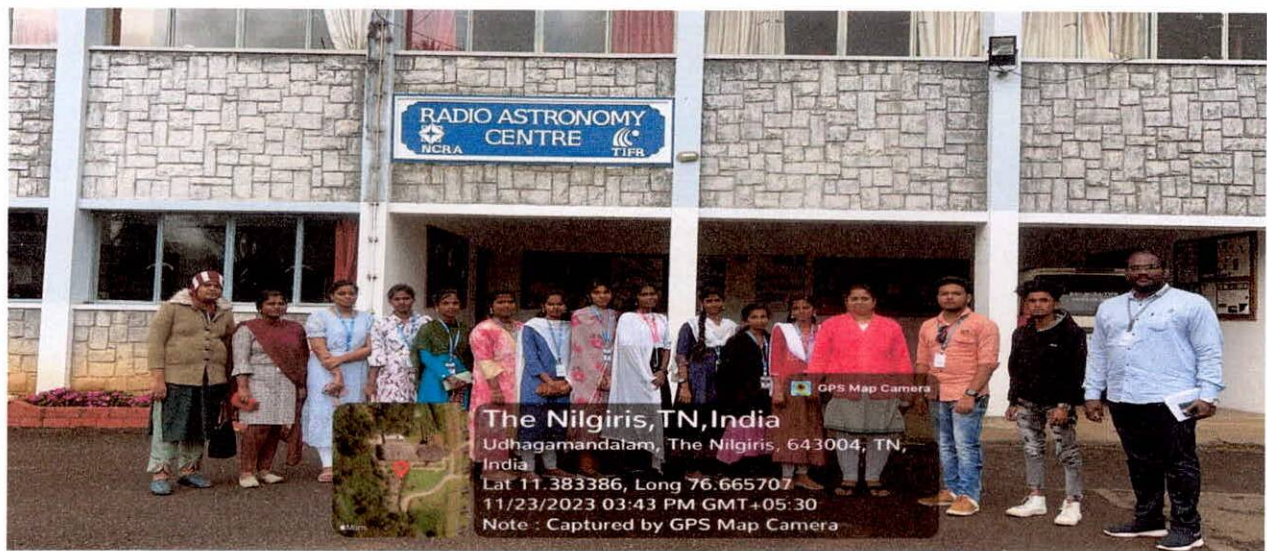
Industrial Visit Coordinator

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HoD/ECE

[Handwritten Signature]
Principal

[Handwritten Signature]
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Industrial Visit Coordinator

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HOD/ECE

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Principal

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