

**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
TAMARAM (V), MAKAVARAPALEM (M),
VISAKHAPATNAM-531113**



*Certificate Course
on*

INDUSTRIAL ELECTRICAL MAINTENANCE

From 7TH Feb 2022 TO 11TH Feb 2022



ORGANIZED BY

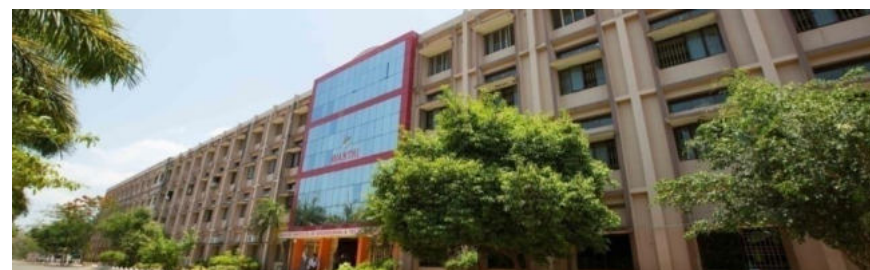
**DEPT. OF ELECTRICAL & ELECTRONICS ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
TAMARAM (V), MAKAVARAPALEM (M),
VISAKHAPATNAM-531113**

AVANTHI EDUCATIONAL SOCIETY

Avanthi Educational Society under the Leadership of Sri M.Srinivasa Rao garu as chairman was started in the Year 1991. Within a short span of its establishment, the group has made a remarkable stride in the field of education offering various courses at Under Graduate, Post Graduate, Pharmacy & Engineering levels. This milestone is achieved as the institution carved itself to impart quality and career oriented education, countering the challenges of the modern world through planning, dedication, determination, prompt execution and with the innovative ideas of our advisory board. Today, Avanthi Educational Society is proud to have a strength of over 16000 students with 15 institutions under its ambit. It is the path of glory towards the success during the last 19 years. The institution has been adjudged many times as the second best educational institutions in the twin cities and 16th best in all over India through the impartial survey made by the renowned magazine "India Today".

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.



It is very near to Narsipatnam. Frequent bus facilities are available both from Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical & Electronics Engineering was established in the year 2001 along with the MECHANICAL, ECE and CSE departments. The department has an intake of 60 students. Commencing the academic year 2011, a post-graduate course in Power Electronics and 2014 in Power Systems was started. The department has full fledged laboratories, workshops and P.G. labs. The department is staffed with qualified, experienced and dedicated members who engage in research activities.. The department with active support from the management is aiming to expand its research activities and industrial consultancies.

ABOUT COURSE

This course is designed to provide basic electrical skills to those who need to perform first-line electrical maintenance tasks including the safe isolation, replacement and testing of a range of common electrical devices (motors, sensors, heating elements, solenoids, etc.) in a safe and effective manner. Importantly, the format of the course is specifically designed so that, when combined with suitable on-site consolidation of training, it will assist the maintenance manager in meeting the legal requirements for employee competence in electrical work.

CHIEF PATRON

Smt.M.Gnaneswari
President, Avanthi Educational Society

PATRON

Dr. C P V N J Mohan Rao
Principal,
Avanthi Institute Of Engineering And Technology

CHAIRMAN

Dr. T Srinivasa Rao
Head of the Department
Electrical & Electronics Engineering

COORDINATORS

K Narayanarao
Asst. Professor

P V Dora
Asst. Professor

TOPICS TO BE COVERED

Day 1: Practice safe working methods on electrical systems. Understand the relevant regulative requirements. Demonstrate an understanding of electrical principles and units

Day 2: Identify a wide range of electrical equipment & devices and understand their principles of operation / connections. Understand the principles of earthing / protection and associated protective devices

Day 3: Demonstrate an understanding of electrical systems, switchgear and circuit types. Diagnose basic faults and recognise their associated symptoms. Work with a range of cable types and carry out correct terminations and connections

Day 4: Recognise the most common industrial motor types and understand their operation, connections and maintenance requirements. Use electrical test equipment effectively and carry out testing of a range of motors, solenoids, cables, etc. (using insulation, continuity, tong testers, etc.). Identify motor and power circuit faults

Day 5: Use circuit diagrams as an aid to maintenance. Access electrical enclosures and replace fuses, reset overloads etc. Perform electrical isolation, testing for dead, etc on a wide range of devices and circuits safely.

For any further information Contact Mr K NAARAYANARAO, Assistant Professor, EEE, and Mr P V DORA Assistant Professor, EEE



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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


Date: 04/02/2022

CIRCULAR

A short term course on “**INDUSTRIAL ELECTRICAL MAINTENANCE**” for I&II Year students of Electrical and Electronics Engineering Department & III Year students of Electronics and Communication Engineering Department is scheduled 07th Feb 2022 to 11th Feb 2022. All the students should attend the course without fail. For any further information Contact course coordinators Mr K NARAYANARAO, Assistant Professor, EEE, and Mr P V DORA Assistant Professor EEE Department.

Resource Person Details:

1. Sri GOLLA SREEHARIBABU,
Dy. Manager,
EID Parry India Ltd,
Sankili Village, RA Valasa Mandal,
Vizianagaram, Andhrapradesh
2. Sri CHALLURI KOTESWARARAO,
Dy. Manager ,
EID Parry India Ltd,
Sankili Village, RA Valasa Mandal,
Vizianagaram, Andhrapradesh


Dr. T Srinivasa Rao
Head of the Department, EEE

Copy to: Principal, AIET

Head of the Department
Department of Electrical & Electronics Engg.
Avanathi Institute of Engg & Tech.
Makavarapalem, Visakhapatnam - 531113.



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INDUSTRIAL ELECTRICAL MAINTENANCE

Duration: 07-02-2022 to 11-02-2022

SYLLABUS

Day 1: Safe working methods on electrical systems. Understand the relevant regulative requirements. Demonstrate an understanding of electrical principles and units.

Day 2: Identification of a wide range of electrical equipment & devices and understand their principles of operation / connections. Understand the principles of earthing / protection and associated protective devices

Day 3: Understanding of electrical systems, switchgear and circuit types. Diagnose basic faults and recognise their associated symptoms. Work with a range of cable types and carry out correct terminations and connections

Day 4: Recognise the most common industrial motor types and understand their operation, connections and maintenance requirements. Use electrical test equipment effectively and carry out testing of a range of motors, solenoids, cables, etc. (using insulation, continuity, tong testers, etc.). Identify motor and power circuit faults

Day 5: Use circuit diagrams as an aid to maintenance. Access electrical enclosures and replace fuses, reset overloads etc. Perform electrical isolation, testing for dead, etc on a wide range of devices and circuits safely


COORDINATOR


HOD

Head of the Department
Department of Electrical & Electronics Engg.
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INDUSTRIAL ELECTRICAL MAINTENANCE

SCHEDULE

Duration: 07-02-2022 to 11-02-2022

DAY/DATE	Live Session - 1 09.00AM to 12.00 PM	Live Session - 2 1 PM to 4 PM
Monday 07-02-2022	Introduction to Industrial Electrical Maintenance. Explanation of safe working methods on electrical systems.	Understand the relevant regulative requirements. Demonstrate an understanding of electrical principles and units.
Tuesday 08-02-2022	Identify a wide range of electrical equipment & devices and understand their principles of operation / connections.	Understand the principles of earthing / protection and associated protective devices
Wednesday 09-02-2022	Demonstrate an understanding of electrical systems, switchgear and circuit types.	Diagnose basic faults and recognise their associated symptoms. Work with a range of cable types and carry out correct terminations and connections
Thursday 10-02-2022	Recognise the most common industrial motor types and understand their operation, connections and maintenance requirements.	Use electrical test equipment effectively and carry out testing of a range of motors, solenoids, cables, etc. (using insulation, continuity, tong testers, etc.). Identify motor and power circuit faults
Friday 11-02-2022	Use circuit diagrams as an aid to maintenance. Access electrical enclosures and replace fuses, reset overloads etc.	Perform electrical isolation, testing for dead, etc on a wide range of devices and circuits safely


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INDUSTRIAL ELECTRICAL MAINTENANCE

From 07th Feb 2022 TO 11th Feb 2022

1st & 2nd Year EEE & 3rd Year ECE Students Attendance

SNO	ROLL NUMBER	NAME OF THE STUDENT	07-Feb	08-Feb	09-Feb	10-Feb	11-Feb
1	21811A0201	CHALLA PAVAN KUMAR	✓	✓	✓	✓	✓
2	21811A0202	KANNAMREDDI GANESH	✓	✓	✓	✓	✓
3	21811A0203	KUNDRAPU DILIP	✓	✓	✓	✓	✓
4	21811A0204	MAKIREDDY SOMESH	✓	✓	✓	✓	✓
5	21811A0205	MAMIDI PRADEEP	✓	✓	✓	✓	✓
6	21811A0206	PAILA RAVI TEJA	✓	✓	✓	✓	✓
7	21811A0207	PILLA LAHARI	✓	✓	✓	✗	✓
8	21811A0208	RAAVI SRAVANI	✓	✓	✓	✓	✓
9	21811A0209	REKHA NANI	✓	✓	✓	✓	✓
10	21811A0210	RONGALI VANAJA	✓	✓	✓	✓	✓
11	21811A0211	SOMIREDDI SAI MURALI	✓	✓	✓	✓	✓
12	21811A0212	VELAGA BALARAM	✓	✓	✓	✓	✓
13	21811A0213	VURUKUTI JAYA SREE	✓	✓	✓	✓	✓
14	20811A0201	ADLABOINA BHANUPRAKASH	✓	✓	✓	✓	✓
15	20811A0202	BALASADI JOGINDHAR SAI	✓	✓	✓	✓	✓
16	20811A0204	BOMMURU DINESH	✓	✓	✓	✓	✓
17	20811A0205	CH SUPREETH	✓	✓	✓	✓	✓
18	20811A0206	CHANDAKA VENKATESH	✓	✓	✓	✓	✓
19	20811A0207	CHOLLANGI MADHU NIKHILESH	✓	✓	✓	✓	✓
20	20811A0208	DASARI ANITHA	✓	✗	✓	✓	✓
21	20811A0209	GOLAGANI VARSHINI	✓	✓	✓	✓	✓
22	20811A0210	GUDIVADA VENKATA GANGA VASAVI	✓	✓	✓	✓	✓
23	20811A0211	KALIGIRI LEELA PRASAD	✓	✓	✓	✓	✓
24	20811A0212	KONA SRINUSAI	✓	✓	✓	✓	✓
25	20811A0213	MUSULURI UDAY SATYA NARAYANA	✓	✓	✓	✓	✓
26	20811A0214	NELLIPARTHI AJITH KUMAR	✓	✓	✓	✓	✓
27	20811A0215	PALLA DIVYA	✓	✓	✓	✓	✓
28	20811A0216	PEELA NAGAPARVATHI	✓	✓	✓	✓	✓
29	20811A0217	PETLA LOHITHA	✓	✓	✓	✓	✓
30	20811A0218	PITTA VINAY KUMAR	✓	✓	✓	✓	✓
31	20811A0219	SADASIVUNI K V MONISH	✓	✓	✓	✓	✓
32	20811A0220	SURABHI YESU	✓	✓	✓	✓	✓
33	21815A0202	GODABA KISHORE	✓	✓	✓	✓	✓
34	21815A0203	KONDURI SRINIVAS	✓	✓	✓	✓	✓
35	21815A0204	KOTTHALA VEERA VENKATA GANESH	✓	✓	✓	✓	✓
36	21815A0206	NAGARAPATI NARAYANARAO	✓	✓	✓	✓	✓
37	21815A0207	NAKKA UPENDRA KUMAR	✓	✓	✓	✓	✓
38	21815A0208	PAILA KANAKA MAHALAKSHMI	✓	✓	✓	✓	✓
39	21815A0209	PALASI SIVA LEELA PRASAD	✓	✓	✓	✓	✓
40	21815A0210	PUREDDY KEDARESWARE	✓	✓	✓	✓	✓
41	21815A0211	RAMATHOTA SANTOSH DILEEP	✓	✓	✓	✓	✓
42	21815A0212	SILAPARASETTI SOWJANYA	✓	✓	✓	✗	✓
43	21815A0213	YADALA TARUN KUMAR	✓	✓	✓	✓	✓

44	21815A0214	VEDLA NAVYA GANGA MANI DEVI	✓	✓	✓	✓	✓
45	21815A0215	PANDIRI BHASKARA PRASAD	✓	✓	✓	✓	✓
46	21815A0216	TAMANARA DIVAKAR	✓	✓	✓	✓	✓
47	21815A0217	KANKIPATI BALA SIVA NAGENDRA BABU	✓	✓	✓	✓	✓
48	20815A0404	BALIREDDY DIVYA	✓	✓	✓	✓	✓
49	20815A0405	BOBBADI SREESAI SUDHA	✓	✓	✓	✓	✓
50	20815A0406	BONDA JAYA SRI	✓	✓	✓	✓	✓
51	20815A0407	BUDDHA LEENA SRI	✓	✓	✓	✓	✓
52	20815A0408	CHANDAKA PRAMEELA RANI	✓	✓	✓	✓	✓
53	20815A0409	DEEPIKA GOWRIPATNAM	✓	X	✓	✓	✓
54	20815A0410	DOLLY ANUSHA PABBIREDDY	✓	✓	✓	✓	✓
55	20815A0411	EARLA SAI MANIKANTA GOWRI HARIKA	✓	✓	✓	✓	✓
56	20815A0412	GANDEPALLI POORNIMA	✓	✓	✓	✓	✓
57	20815A0413	JANAPAREDDY VASAVI	✓	✓	✓	✓	✓
58	20815A0414	KANTAMREDDI SONY	✓	✓	✓	✓	✓
59	20815A0415	KILLADA MANI DEEPIKA	✓	✓	✓	✓	✓
60	20815A0416	KOSURU DIVYASREE	✓	✓	✓	✓	✓
61	20815A0417	KUDA PAVANI	✓	✓	✓	✓	✓
62	20815A0418	LAXMI PRIYA NAGUMALLI	✓	✓	✓	✓	✓
63	20815A0419	MUMMIDIVARAPU SAI LAXMI	✓	✓	✓	✓	✓
64	20815A0420	MUTYALA DIVYA SREE	✓	✓	✓	✓	✓
65	20815A0421	PICHIKA PAVAN	✓	✓	✓	✓	✓
66	20815A0422	RAMADENI RAMYA RANI	✓	✓	✓	✓	✓
67	20815A0423	SAHU PITAMBAR KUMAR	✓	✓	✓	✓	✓
68	20815A0424	SIMBOTHU MOUNIKA	✓	✓	X	✓	✓
69	20815A0425	SK MD ZUBAIR AHAMED	✓	✓	✓	✓	✓
70	20815A0426	SURISETTY KUSUMA	✓	✓	✓	✓	✓
71	20815A0427	SURUKUTTI KUSUMA KUMARI	✓	✓	✓	✓	✓
72	20815A0428	VEGHI MEGHANA	✓	✓	✓	✓	✓
73	20815A0429	VUDI KIRAN KUMAR	✓	✓	✓	✓	✓
74	20815A0430	KATCHALLA NOOKA RAJU	✓	✓	✓	✓	✓
75	20815A0431	LAGUDU GIRIDHAR	✓	✓	✓	✓	✓
76	20815A0432	SURISETTI SIVA GANESH	✓	✓	✓	✓	✓


COORDINATOR


HOD

Head of the Department
Department of Electrical & Electronics Engg.
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AVANTHI

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Tamaram (V), Makavarapalem (M), Visakhapatnam Dist. 531113.
(Approved by AICTE, Accredited by NAAC, Permanently Affiliated to JNTU Kakinada)

Certificate of Participation

This is to certify that Mr./Ms. _____
of _____ has participated in the Certificate Course entitled
on INDUSTRIAL ELECTRICAL MAINTENANCE during from 07th FEB 2022 to 11TH FEB 2022
was organised by the Department of ELECTRICAL AND ELECTRONICS ENGINEERING
at Avanathi Institute of Engineering and Technology.

Coordinator

HOD

Principal



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE COURSE

ON

INDUSTRIAL ELECTRICAL MAINTENANCE

Dated :07-02-2022 to 11-02-2022



[Signature]
COORDINATOR

[Signature]
HOD

Head of the Department
Department of Electrical & Electronics Engg.
Avanthi Institute of Engg & Tech.
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Department of Electrical and Electronics Engineering

Dt: 14-02-2022


BRIEF REPORT

Department of Electrical and Electronics Engineering, Avanathi Institute of Engineering and Technology organized a certificate course On **INDUSTRIAL ELECTRICAL MAINTENANCE** from 07-02-2022 to 11-02-2022.

Sri G Sreehari Babu explains the safe working methods on electrical systems, He demonstrates an understanding of electrical principles and units. He discuss the identification of a wide range of electrical equipment & devices and understand this principles of operation and connections. Sir also explain the principles of earthing, protection and associated protective devices.

Sri Ch Koteswara Rao demonstrates on electrical systems, Switch gear and circuit types. Sir, clearly explained that as an electrical engineer everyone should diagnosis the basic faults and recognise their associated symptoms. He discuss, the recognition of the most common industrial motor types and their operation, connections and maintenance requirements. He explains clearly the identification of motor and power circuit faults, he also said that how to use the circuit diagrams as an aid to maintenance. Finally the students were felt very happy with this informative industrial oriented program.


Coordinator


Head of the Department
Head of the Department
Department of Electrical & Electronics Engg.
Avanathi Institute of Engg & Tech.
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