Sandip foundation's

Sandip Institute of Technology and Research Centre, Nashik

Department of Electrical Engineering

Date: 12/01 /2021

Notice

Department of Electrical Engg is going to conduct free of cost VAP on Introduction to substation maintenance on date **18/01/2021 to 22/01/2021** for SE student's interested students enroll their name to Prof.R.B.Sadaphale before **16/01/2021 .**

Time: 10:30AM To 5.00PM

Mode of VAP: Online (Google meet/Zoom meeting)

HOD
Electrical

Principal
SITRC

Head of Department
Electrical Engineering
Sandip Institute of Technology and Research Centre
Mahiravani, Nashik-422213

Electrical Engineering Department SITRC, Nashik

SANDIP FOUNDATION

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Dr. P.G.Burade
(HOD, Department of Electrical Engineering, SITRC, Nashik)

CO-ORDINATOR
Prof.N.S.Patil
Asst. Professor, Dept. of EE Engineering

ORGANIZING COMMITTEE

Prof.Rajendra B Sadaphale

Prof.G.G.Akotkar

RESOURCE PERSON

Prof.R.B.sadaphale

Asst. Professor, Dept. of EE Engineering

Mode of VAP
Online Mode (Zoom Meeting/Google meet)

Five Days

Value added Program

on

"Introduction to substation maintenance"

Date : 18/01/2021 to 22/01/2021
Organized By,

Department of Electrical Engineering, Sandip Institute of Technology and Research Centre, Nashik- 422213.

ABOUT INSTITUTE

Sandip Institute of Technology and Research Center (SITRC), the top Engineering colleges in Nasik, Maharashtra is established in 2008 and is approved by AICTE, New Delhi and affiliated to Savitribai Phule Pune University, Pune. The Institute is accredited by NAAC with A Grade (CGPA 3.11 Score).

SITRC have an ambiance that stimulatesintellectual thinking and academic proceedings.

The institute has following major credentials at its credit.

- √ **Accredited with A Grade by NAAC**
- √ **Affiliated to SPPU Pune**
- √ **Green and Clean Campus**

ABOUT DEPARTMENT

The department of Electrical Engineering at Sandip Institute of Technology and Research Centre offers a vibrant environment for undergraduate education. Established in 2014, it is one of the departments at SITRC. Electrical Engineering is a field of engineering that generally deals with the study and application of electricity, electronics, and electromagnetism. It has experienced and qualified teaching staff members and teaching assistants. The department has well equipped 10 laboratories which include Electrical Machine, Network Analysis, Control System, Computer lab, Switchgear and Protection, Power Electronics, High Voltage Engineering, PLC and SCADA with Latest Software to name a few.

DEPARTMENT VISION

To become a front-runner in bringing out competent electrical engineers, innovators and researchers there by contribute value to the knowledge-based economy and society

DEPARTMENT MISSION

To provide the state-of-art resources that contribute to achieve excellence in teaching-learning, research and development activities.

To bridge the gap between industry and academia by arranging Industrial Visits and organizing value added Programme.

To provide Suitable forums to enhance the creative talents of students and faculty members.To inculcate moral and ethical values among the faculty and students.

COURSE CONTENTS

Theory Course Content- Topics covered during the Value Added Program-

Module 1: Understanding Substation Components and Operations

Module 2: Substation Maintenance Practices and Procedures

Module 3: Introduction to Electrical Substations

Module 4: Substation Components and Equipment

Module 5: Substation Operations and Functionality

IMPORTANT DATES

Last Date of Registration:
16/01/2021.

***Date:* 18/01/2021 to 22/01/2021**

No Registration Fee

Contact Person
1)Prof.A.V.Satpute
Contact No: 8888870943
2)Prof.R.B.Sadaphale
Contact No:9552556199

Theory Course Content- Topics covered during the Value Added Program-

Module 1: **Understanding Substation Components and Operations**

Module 2: **Substation Maintenance Practices and Procedures**

Module 3: **Introduction to Electrical Substations**

Module 4: **Substation Components and Equipment**

Module 5: **Substation Operations and Functionality**

Program Agenda-

Day	Time	Program	Topic
1	10 am To 1 pm	Morning session	Module 1 **Understanding Substation Components and Operations**
	1 pm To 2 pm	Lunch Break	----------
	2 pm To 5 pm	Evening Session	Module 1 **Understanding Substation Components and Operations**
2	10 am To 1pm	Morning session	Module 2: **Substation Maintenance Practices and Procedures**
	1 pm To 2 pm	Lunch Break	----------
	2pm To 5 pm	Evening Session	Module 2: **Substation Maintenance Practices and Procedures**
3	10 am To 1pm	Morning session	Module 3: **Introduction to Electrical Substations**
	1 pm To 2 pm	Lunch Break	----------
	2pm To 5 pm	Evening Session	Module 3: **Introduction to Electrical Substations**
4	10 am To 1pm	Morning session	Module 4: **Substation Components and Equipment**
	1 pm To 2 pm	Lunch Break	----------
	2pm To 5 pm	Evening Session	Module 4: **Substation Components and Equipment**
5	10 am To 1pm	Morning session	Module 5: **Substation Operations and Functionality**
	1 pm To 2 pm	Lunch Break	----------
	2pm To 5 pm	Evening Session	Module 5: **Project Management for Solar Plants.**

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Sandip Institute of Technology and Research Centre, Nashik

Department of Electrical Engineering

CGPA Score : 3.11

VAP Report
Academic Year 2020-21

Name of the Event: VAP on "Introduction to substation maintenance"
Event Date: 18/01/2021 to 22/01/2021
Event Conduction Duration: 10.00 am to 5.00 pm
Mode of VAP : Online (Google Meet, Zoom Meeting)
No of Participants: SE: 48 Students
Name of Event Coordinator: Prof.R.B.Sadaphale (Asst.Prof, Electrical Dept., SITRC, Nashik)

Course Objectives:

1] **Understanding Substation Components:** Identify and comprehend the various components of a substation, including transformers, circuit breakers, switches, relays, busbars, and other essential equipment.

2] **Safety Protocols:** Emphasize safety procedures and protocols associated with substation maintenance, ensuring that participants are aware of potential hazards and know how to mitigate risks.

3] **Maintenance Planning:** Develop skills in planning and scheduling routine maintenance tasks for substation equipment to ensure optimal performance and longevity.

4] **Testing and Diagnostics:** Introduce participants to testing and diagnostic techniques for substation equipment, including the use of specialized tools and equipment to assess the condition of different components.

Course Outcomes:

1] **Understanding of Substation Components:** Identify and describe the key components of a substation, such as transformers, circuit breakers, relays, switchgear, and control systems.

2] **Knowledge of Safety Procedures:** Demonstrate a thorough understanding of safety protocols and procedures related to substation maintenance activities.

3] **Maintenance Planning and Scheduling:** Develop skills in planning and scheduling routine maintenance tasks for various substation equipment.

4] **Diagnostic and Testing Techniques:** Learn and apply diagnostic and testing techniques for assessing the condition of substation equipment, including insulation testing, oil analysis, and thermal imaging.

Event Photos :

SE students attending VAP on "Introduction to substation maintenance"