



REPORT

On

ONE DAY WORKSHOP ON

“MASTER ENERGY PERFORMANCE DATA ANALYSIS OF SOLAR POWER PLANT.”

Topic:One Day Workshop on “Master Energy Performance Data Analysis of Solar power Plant.”

Date: 19/10/2023

Venue:Seminar Hall (DVVP COE, Ahmednagar)

Organized by:

Department of Electrical Engg.

Dr. Vithalrao Vikhe Patil College of engineering, Ahmednagar

Details of the session:

Er.Mahesh Kawarkhe, Sr. Performance Analyst ,Apollo Energy Analytics(USA),NSDC Certified Solar PV Trainer, Pune.

Details of the Event:

- **Date of the Workshop:** 19/10/2023
- **Time :**10.00am onwards
- **Title:**One Day Workshop on “Master Energy Performance Data Analysis of Solar power Plant.”
- **Name of the expert:**Er.Mahesh Kawarkhe
- **Organization-**Sr. Performance Analyst, Apollo Energy Analytics (USA), NSDC Certified Solar PV Trainer, Pune
- **Classes attended:**SE,TE & BE students
- **Number of students attended:** 105
- **Venue:**Seminar Hall
- **Event Incharge:** Prof. G.B.Murade
- **Student Co-ordinators:**Krushna Vikhe,Jalinder Vikhe, Rushikesh Sasane, Renuka Vairal, Prashali Dawkhar, and Sandy Shinde.
- **Objective:**To Explore the Students to provide cutting-edge education to transform Students into ‘Solar’ professionals. These workshops are an intensive exercise analyses the data of solar plant .
- **Topics Covered**
 - In-depth knowledge of basics, various components of a photovoltaic power plant such as photovoltaic modules, inverters, charge controllers, batteries, switchyard, SCADA, structures, and so on.
 - Photovoltaic system types, design philosophy, principles, examples and calculations.

- Hands-On: Site survey tools, weather measurements, photovoltaic system installation.
- PV Systems: Comprehensive learning of industry-standard software.
- Project management, economics and finance of projects, solar policies, REC and carbon credits.
- Immense information and material through worked-out examples, data sheets, discussions, etc.
- Analysis of solar power plant data and making a report in python and Excel format.
- Site visit to megawatt-scale PV power plant.



• PHOTO GALLERY



