



# MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### Report-On

## “DESIGN & INSTALLATION OF SOLAR PV SYSTEM”

(27-12-2022 to 31-12-2022)

As the Department of EEE conducting the One week National level workshop on “ **DESIGN & INSTALLATION OF SOLAR PV SYSTEM** ” organized for students of III Year & II Year EEE on 27<sup>th</sup> DEC to 31<sup>st</sup> DEC 2022 to explore the working of the Copter in association with Pranav Solutions, Krishnagiri. The technical team has given mix of theory and practical knowledge on Solar PV design.



Inagation session

This program was organized by Mr. K Krishna Reddy, Head of the department with the coordination of Mr N V Kishore, Associate Professor, EEE Department.

Pranav Solutions aims at training the students to understand solar designing in a practical manner and to make them aware of the OFF grid design and ON grid installation procedures. The technical training programs are undertaken by the industrial experts of Pranav Solutions for Engineering Students Professionals, Energy entrepreneurs, Solar Consultants, Solar Job-Seekers who

aspire to become solar expert. On first three days , sessions were conducted in which the morning session threw light on Introduction to fundamentals of PV and Solar Panel and in the afternoon hands on practice was given on Study of PV characteristics and shading analysis in which the students themselves were made to assemble and disassemble it to form an off grid system.



Students @ Practical sessions

On the remaining three days, morning session concentrated on Introduction to solar Off-grid systems, component system components in Off-Grid, Installations of Off-Grid in India, Off-Grid Design and Bill of Materials preparation & Real time installations study of off-grid plants. The workshop concluded with the hands on practice on Grid Software tools, Introduction to PV System, Preliminary Design, Project Design, Tools, System design of Grid Connected Project, Orientation, Horizon, Near Shadings, System, Module Layout and Simulation in the afternoon. Finally, certificates were distributed to all the students who attended the workshop. On the whole, the two days workshop was very innovative and useful and it gave an opportunity for the students to get updated with the recent trends in Solar PV modules & applications. The workshop was a grand success.