



Mercy College
 Palakkad, Kerala, India 678006
 Govt Aided Arts & Science College
 Affiliated to the University of Calicut
 Accredited by NAAC with A Grade IV Cycle

RESEARCH & POSTGRADUATE DEPARTMENT OF PHYSICS

FIELD VISIT – SOLAR INSTALLATION

Objective: The field visit was organized to provide students with practical exposure to solar energy systems and large-scale photovoltaic installations. The programme aimed to enhance students' understanding of renewable energy technology and its real-time applications.



Report: The Energy Club of Physics Department organized a field visit to an 80 kW solar power installation on 31 October 2025, where students observed a system comprising 180 solar panels. During the visit, students were introduced to the working of optimizers connected between panels, inverters, and associated electrical connections and proper earthing, gaining insights into the complete energy conversion process. They were also familiarised with a mobile app through which the working condition and solar production could be comfortably monitored.

Outcome: The visit improved students' practical understanding of solar power generation and system components. It strengthened their awareness of renewable energy technologies and encouraged interest in sustainable energy solutions.

Dr. Lakshmi M
 Staff Coordinator & Head of the Department of Physics

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 മേഴ്സി കോളേജ്, പാലക്കാട്-6

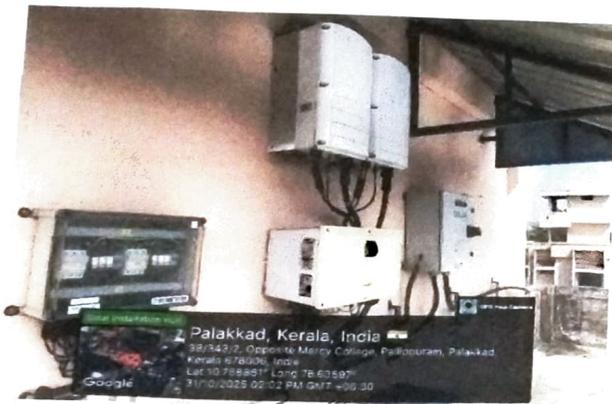


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