



HOPE Foundation's
**Finolex Academy of Management &
Technology, Ratnagiri.**
Department of Electrical Engineering

Field Visit to 10KW Rooftop Solar PV Plant, Zadgaon

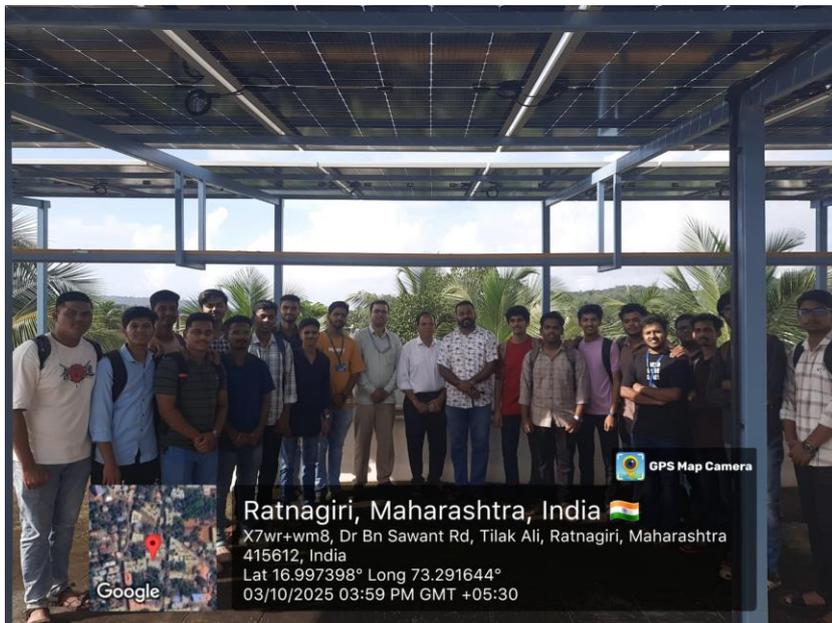
On **03/10/2025**, the Electrical Engineering Department organized an industry visit to the **10 kW On-Grid Rooftop Solar PV Plant** at Vinayak Apartment, Zadgaon, Ratnagiri, offering students content beyond the syllabus of **Renewable Energy Systems (RES)**.

The visit, from **2:15 PM to 5:15 PM**, included 21 students and was coordinated by **Prof. Nikhil N. Kasar**, Subject In-Charge RES and T&P Faculty Coordinator. The session was led by **Mr. Hrishikesh Kondekar**, Founder of **Saurmandal Solar Enterprises**, to bridge the gap between theoretical learning and practical applications in solar PV systems.

During the visit, students gained hands-on exposure to solar PV panel selection, calculations, net meter connections, inverter and grounding concepts, and the role of lightning arrestors. Practical demonstrations included mounting techniques, maintenance procedures, cost structure analysis, and net profit calculations. Students actively engaged with the expert, discussing challenges and solutions involved in real-world solar installations, providing a rich understanding beyond classroom theory.

The visit proved highly effective in enhancing students' practical knowledge and industry readiness. It not only reinforced theoretical concepts of RES but also provided insights into operational, safety, and economic aspects of solar PV projects. The department expresses heartfelt gratitude to **Saurmandal Solar Enterprises** and Mr. Hrishikesh Kondekar for invaluable guidance and support in this enriching learning experience.

Glimpses of the event:



Group photograph of Solar PV plant Visit



Mr. Rhishikesh Kondekar is explaining the PV plant at the Zadgaon site

