

KCW-CARES Centre for Energy Studies

Hands -on-Training: "Unlocking the Potential of Rooftop Solar Grids"

Date: 6th and 7th January 2025

Target Audience: B.Sc Physics Students (Aided and SF)

Number of Beneficiaries: 69 (Final Year B.Sc Physics Students)

The hands-on training program titled "Unlocking the Potential of Rooftop Solar Grids" was conducted to provide practical insights into the design, installation, and operation of rooftop solar grids. The initiative aimed to empower undergraduate students with the technical know-how and skills required for sustainable energy management, aligning with global efforts toward renewable energy adoption. Dr. Raguram Arjunan, Managing Director, CARES Renewables, Coimbatore and Dr. Manigandam, Managing Director, Amritham Renewables, Coimbatore. Both dignitaries delivered insightful addresses on the importance of rooftop solar grids in the context of India's energy transition and the opportunities available in the renewable energy sector followed by hands on training session.

The two-day training included theoretical sessions, practical demonstrations, and interactive workshops covering:

- Fundamentals of solar energy and rooftop solar grid technology
- Installation and maintenance of solar panels
- Basics of energy conversion and power storage systems

Participants were given hands-on experience in assembling and testing solar grids under the guidance of experts. The training emphasized integrating theoretical knowledge with practical applications, ensuring a comprehensive learning experience.

Outcome

Skill Development: Participants acquired practical skills in handling and operating rooftop solar grids.

Awareness: The program enhanced awareness of renewable energy systems and their role in mitigating climate change.

Networking: Students interacted with industry experts, fostering potential career opportunities in the renewable energy sector.

