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Shaping Lives...
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Government Engagement and Policy Advocacy for Clean Energy and Energy-Efficient Technologies

Centurion University of Technology and Management (CUTM) supports clean-energy and energy-efficiency policy objectives through applied research, renewable energy demonstrations, electric mobility initiatives, institutional energy-efficiency planning and technical skill development.

Policy Development for Clean Energy Technology: Agri-Photovoltaic Technology Workshop

Centurion University of Technology and Management (CUTM), Bhubaneswar Campus, contributed to clean energy technology policy awareness and capacity building by organizing a Three-Day Workshop on Agri-Photovoltaic (Agri-PV) Technology from 22–24 February 2025, in collaboration with the Skill Council for Green Jobs (SCGJ) under the Indo-German Energy Programme (INSolar Project), supported by GIZ and the Ministry of New and Renewable Energy (MNRE), Government of India.

Organized by the School of Engineering and Technology (SoET), CUTM, under the coordination of Dr. Nimay Chandra Giri, the workshop brought together 26 participants, including faculty members, researchers, students, industry professionals and renewable energy practitioners. The programme aimed to strengthen technical understanding of Agri-PV systems and explore their potential contribution to renewable energy deployment, sustainable land use, agricultural productivity and climate-resilient rural development.

Through 12 technical sessions, expert lectures, interactive discussions, laboratory demonstrations and field-based learning, participants examined Agri-PV system design, installation, operation, maintenance, performance monitoring, financing mechanisms, entrepreneurship and relevant policy frameworks. These discussions provided a platform for exchanging technical knowledge and implementation experiences that can inform government initiatives relating to clean energy adoption, solar technology deployment in agricultural areas, green skill development and sustainable rural livelihoods.

The workshop also highlighted the potential of Agri-PV to support national clean energy objectives by enabling solar electricity generation alongside agricultural production. By bringing together academic, industry and government-linked stakeholders, the initiative promoted knowledge sharing on the practical opportunities and challenges associated with integrating renewable energy technologies into agriculture. The insights generated through the programme can help inform policy discussions on efficient land utilization, farmers' income diversification, water conservation, greenhouse gas emission reduction and the development of skilled human resources for the renewable energy sector. The initiative aligned with SDG 7 (Affordable and Clean Energy), SDG 2 (Zero Hunger), SDG 8 (Decent Work and Economic Growth) and SDG 13 (Climate Action), with additional

relevance to SDG 9 (Industry, Innovation and Infrastructure). It demonstrated CUTM's role in creating a knowledge-sharing platform that connects clean energy technology, agricultural innovation and policy priorities. Contribution to policy development: The workshop strengthened stakeholder capacity and generated practical learning relevant to clean energy policy formulation and implementation.

Suryamitra Skill Development

Under the Suryamitra Skill Development Programme, 95 participants were trained in solar energy technologies, including solar equipment installation, operation and maintenance. In addition, the University has developed 9 clean-energy entrepreneurs through its Suryamitra Skill Development and CREE initiatives and trained 270+ students and other participants in renewable energy skills. These initiatives strengthen workforce capacity, employability, entrepreneurship and market linkages in the solar energy sector, supporting the implementation of clean energy and energy-efficiency programmes.