

Workshop on Photovoltaic on grid & off grid- today's need and it's challenges

Assam science and technology (ASTU) in collaboration with Scholars' Institute of Technology and Management (SITM), Guwahati Dept. of EEE and ECE, organized a 3-day workshop on Solar Photovoltaic on grid & off grid- today's need and it's challenges from 23rd September to 25th September in the college campus.

The workshop was aimed to provide knowledge about the on grid, off grid and hybrid rooftop solar photovoltaic system design, future possibility of growth and obstruction in the field of rooftop SPV plants. This program also aimed to impart the adequate knowledge and enable participants to design SPV plant with the help of simulation tools. It also included a field trip.

Mr. Sanjay V. Malpe, Principal Director (NPTI), Guwahati graced the occasion as chief guest. Mr. Dharma Ranjan Das, Advisor and Scientist, MNRE started the workshop by giving the informative lecture on the concept of Renewable energy, basics and components of Solar Photovoltaic, future possibility of growth. It was followed by lecture by Mr. Mrinal Krishna Chaudhury, Additional Director, Assam Energy Development Agency, Guwahati on solar module technologies, solar radiation measuring instruments and its application. The afternoon session was carried forward by Mr. Indra Kr. Singh, Assistant Director, NPTI. He spoke on the concept of on grid and off grid SPV plants. He also enlightened the participants about the RODALEE initiative taken by APDCL, Assam.

The second day of the workshop was started by Mr. Anish Kr. Shukla from First Green Consulting Pvt. Ltd., Gurugram, Haryana. He spoke about the basics of SPV plant design on rooftop and its importance. The second speaker for the day was Mr. Deepjyoti Barman, Director(operations), Susconnect Pvt. Ltd. Guwahati. He spoke extensively about the basics of SPV plants CAPEX and OPEX modes and entrepreneurial direction. The last speaker of the day, Mr. Pradipta Maiti from Better Power Services Pvt. Ltd spoke about inverter and battery, concept and its types, net and gross metering and its obstructions.

On the last day, the participants visited NPTI, Kahilipara. Mr. Bikram Baruah, Assistant Director, and Mr. Debdeep Dey Guest Faculty of NPTI conducted the practical session of the workshop.

The participants appreciated the conduct of such a fruitful workshop. The workshop ended with the certificate distribution ceremony. Mr. R. R. Ukirde, Director (NPTI) and Dr. Bimal Chandra Deka, Associate Professor, Assam Engineering College graced the concluding ceremony and gave away the certificates to the participants.

The advisors of the workshop were Dr. Nripen Das, Registrar and chairman TEQIP-III, ASTU, Dr. Biswa Ranjan ASTU, Mr. Sudip K. Lodh, Chairman, SITM, Mrs. Jhumur Lodh, Director, SITM, Dr. Projit kr. Das, principal, SITM and Mr. Kalyan Kr. Sarkar, Vice-Principal, SITM.

The conveners are Dr. Indranil Chanda, Deputy Controller of Examinations ASTU and Mr. Pranjal Choudhury, Administrative Officer/ Academic, SITM.

The organizer of the workshop are Mr. Pranjal Kumar, Project Officer, TEQIP III, ASTU, Nabajit Dev Choudhury, Assistant Professor, Energy Dept., ASTU, Mr. Nayanjyoti Deka, Assistant Professor, Dept. of EEE, SITM and Mr. Mustafizur Rehman Hazarika, Assistant Professor, Dept. of ECE, SITM.



Inauguration Ceremony



Lecture by Chief Guest



Participants



Field Visit