

A One-Day Workshop on 'Opportunities and Innovations in Renewable Energy Technologies' at OPJU

Dr Ashish Dongre, VP, Solar Energy Society of India inaugurated SESI OPJU Chapter

Raigarh.

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Renewable energy is one of the conspicuous sources of energy which can support to increasing demand of energy in current scenario of India. Realizing the importance of the research and development in the renewable energy systems, Department of Mechanical Engineering, SOE, OP Jindal University, Raigarh organised a One-Day Workshop on "Opportunities and Innovations in Renewable Energy Technologies on 10th Oct 2017, with the support of Solar Energy Society of India (SESI), Centre of Innovation and Entrepreneurship, OPJU and Chhattisgarh Renewable Energy Development Agencies (CREDA), Raipur. The aims of the workshop were to give an overview of renewable energy technologies outlining the basic principles of solar, wind, and micro-hydro electricity generation and applications; and to provide a suitable research platform for young researchers to address the challenges related to solar energy systems.

During inauguration, welcoming the guests, Dr. K.K. Mehta, Dean School of Engineering expressed the need for shifting the use of conventional to renewable energy and said, 'recent research and development of power converters and its intelligent controller helps to enhance the performance and facilities with optimal power management of generation and utilization. To provide insight to the participants, this program intends to present concepts of advanced power converters, importance of energy storage systems and research challenges.' He also put before the delegates the different avenues available for research in this area.

Dr R.D. Patidar, Registrar of the University highlighted the initiatives taken by the university to promote research and development. Dr Patidar said that energy is the backbone of development of any country and it is the need of the hour to focus on renewable energy sources and technologies along with traditional energy sources. As OP Jindal University is committed to contribute towards development of nation and society; organization of this workshop is a step towards social responsibility. He reiterated that the University is committed to the development and demonstration of solar energy related technologies and its applications to the common man in the country.

Inauguration of SESI OPJU Chapter

The chief Guest of the Workshop, Dr Ashish Dongre (Ex DTE of MP & Vice President, Solar Energy Society of India) inaugurated the SESI chapter in the University. Addressing the participants, he said that the climate on earth is changing very quickly and only Renewable Energy Technologies will be able to control it. He shared the data that where actually India ranks in the per Capital consumption of conventional Energy and Renewable Energy.

Distributing the appointment letters to the office bearers of SESI-OPJU Chapter, Dr Ashish underlined the need of SESI chapters and their importance across the country; and congratulated the organisers of the workshop and office bearers of the new chapter for accepting the new responsibility.

In the technical session, Dr. B. Subudhi, Professor, NIT Rourkela made a very informative presentation and explained his finding on utilization of solar Energy technology, using the latest techniques and the ongoing research. He highlighted the various methods to overcome the hurdles in implementation of renewable technologies.

Mr. Rajeev Gnani, Executive Engineer, CREDA made a very informative presentation and said that solar energy is the best option to achieve the vision of "Power for All. In his presentation, Mr Rajeev explained the contemporary scenario of utilization of solar energy in India and world; and shared the details of the Government's schemes available to promote the utilization of renewable energy.

Dr Ravi Kumar, HOD- Mechanical Engineering and Convener of the workshop expressed his gratitude and stated that the workshop achieved its objectives and provided the renewable energy insights, present concepts of advanced power converters, importance of energy storage systems and research challenges to the participants and delegates with the support of presentations and hands-on training. In the workshop, along with 106 participants from OPJU and other states institutions, faculty members of OPJU also participated. At the end of the workshop, Dr S. Chakrabarty, Associate Professor of Mechanical Engineering Department proposed vote of thanks to the management, all the guests and team members for their co-operation and support in organizing the workshop.