

Report of Renewable Energy Committee (2018-19)



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- Renewable energy committee of the college organized a two-day RUSA sponsored workshop on **'Power Sector Sustainability'** on October 22-23, 2018 with an aim to sensitize participants about the current challenges faced by the power sector and to deliberate upon reforms to chart a sustainable future. On the inaugural day, Dr. Tarlochan Kaur, Chairperson, Center for Energy Studies, Punjab Engineering College delivered a talk on Power Sector Sustainability. Dr. Tarlochan spoke about energy crisis and importance of renewable sources of energy in her talk titled 'Recent Trends in Renewable Energy for Power Generation'. She highlighted that despite a huge potential in India for renewable energy production, integration of this energy into power sector is comparatively low because of factors like resource availability, technological appropriateness, environmental feasibility, institutional preparedness, socio-cultural acceptability, and financial viability. Dr. Kaur asserted that technological innovation, mass awareness and skill development programmes are of essence in increasing renewable energy acceptance in India. The second session witnessed highly informative talks on 'Demand Response using MATLAB platform' by Ms. Sachpreet Kaur, PEC, Chandigarh, and on 'Smart Grid Technology' by Dr. Tarlochan Kaur. Interactive session that ensued the talks drew enthusiastic response from the participants wherein they shared innovative ideas. The students got motivated to develop and deploy new and renewable energy sources for supplementing the energy requirements of the country.



- The committee organized a demonstration session on working, maintenance and significance of solar panels by Mr. Sanjeev Verma, Head-Technical, Multi Overseas India Pvt. Ltd. on October 22-23, 2018.
- Dr. Neetu and Dr. Sarabjeet participated in a Power Dialogue with theme “Renewable Energy” at CII, Sector- 31 A, Chandigarh on January 18, 2019.



- Organized a two-day hands-on training workshop on ‘**Making LED bulbs**’ for BSc students in collaboration with department of Physics on April 11-12, 2019 with an aim to enhance the technical knowledge of students as well as to enable them to assemble and repair the LED bulbs. Students successfully made 100 LED bulbs which were exhibited and sold to faculty members.

