

Workshop on Energy Auditing

Date: October 24, 2017

Venue: CSTEP, Bangalore

Mr. Suresh Babu B.V. and Mr. Bency Zachariah of Ottotractions, an energy auditing consultancy based in Thiruvananthapuram, conducted a one day workshop at CSTEP Bangalore on October 24, 2017. Ottotractions has provided consultancy services for over 250 projects in the areas of renewable energy, energy efficiency, carbon emission reduction and sustainable development.

This workshop was conducted to introduce and train CSTEP researchers on energy auditing and the key equipment used for auditing. The session began with Ottotractions discussing the firm's background, accreditations, associations, foci and projects. This initiated an interactive discussion on aspects of energy auditing. Through presentations on the energy auditing process they emphasised the importance of a holistic approach to conducting energy audits. Two detailed case studies- one on buildings and another on industry- were presented to the researchers. The measurement parameters and final recommendations for each of the projects were discussed in detail.

Few of the major energy audit equipment like power analyser, lux meter, infrared thermometer, anemometer, etc., were demonstrated to the researchers. They also highlighted the need for comprehensive policies enforcing energy efficiency, and the fact that simple interventions may induce major returns on investment and cost savings. These principles were demonstrated through a practical session analysing the power quality at CSTEP office.