

Energy Audit and Management

Department of Petroleum Engineering had organized an expert lecture on “Energy Audit and Management” on 24th April, 2024. The expert lecture was delivered by Dr. Sandeep Mohan Ahuja, Professor, Department of Chemical Engineering, SLIET, Longowal. In this expert lecture, Dr. Ahuja discussed about energy management which aims to produce goods and services with the least cost and minimal environmental impact. It involves the judicious and effective use of energy to maximize profits while minimizing costs. Dr. Ahuja also discussed about energy audit. It is a systematic approach for decision-making in energy management and balances total energy inputs with their use and identifies energy streams within a facility. Key aspects of energy **audit** include Verification, Monitoring, and Analysis: Energy audit verifies, monitors, and **analyses** energy use. It provides recommendations for improving energy efficiency, along with cost-benefit analysis and an action plan to reduce consumption. Dr. Ahuja also throws a light on the need for public awareness and role of an individual in conservation of energy resources. Overall, energy audit and management play a strategic role in cost reduction, preventive maintenance, and quality control. By optimizing energy use, organizations can achieve sustainable and efficient operations.



