



“Mechanized Design Application”

Department: Mechanical Engineering

Course Name : Elective – II Energy Audit and Management

Final Year of Mechanical Engineering (2015 Course)

Course Code : 402045C

Course Objectives:

1. Importance of Energy Management.
2. To Carry out Energy Audit.
3. Methods to reduce consumption of energy and save cost.
4. To improve energy efficiency of overall system.
5. Significance of Waste heat recovery and Cogeneration.

Course Outcomes:

On completion of the course, students will be able to –

CO1: Compare energy scenario of India and World.

CO1: Carry out Energy Audit of the Residence / Institute/ Organization.

CO1: Identify and evaluate energy conservation opportunities in Thermal Utilities.

CO1: Identify and evaluate energy conservation opportunities in Electrical Utilities.

CO1: Identify the feasibility of Cogeneration and WHR Use a CFD tool effectively for practical problems and research.