

Utilization Project:

Design the distribution of electrical power in different buildings such as tourism village, hospitals, factories. Furthermore the Source of electricity in the project is designed to be by photovoltaic system which is tied to national utility grid.

The project covers:

- designing the indoor and outdoor lighting systems in buildings.
- Load distribution of normal and motor loads, (design the distribution board, phase balance, cables, short circuit calculations, and earthing).
- Design of Transformers, Generators and UPS.
- Determine the special loads (fire alarm – sound system).
- Quantities and Specifications tables.
- Design the photovoltaic system .

Number of required students: 4 to 5