OBJECTIVE

To acquire knowledge to adopt green computing practices to minimize negative impacts on the environment, skill in energy saving practices in their use of hardware, examine technology tools that can reduce paper waste and carbon footprint by user, and to understand how to minimize equipment disposal requirements.

UNIT – I FUNDAMENTALS


UNIT – II GREEN ASSETS AND MODELING


UNIT – III GRID FRAMEWORK

Virtualizing of IT systems – Role of electric utilities, Telecommuting, teleconferencing and telereporting – Materials recycling – Best ways for Green PC – Green Data center – Green Grid framework.

UNIT – IV GREEN COMPLIANCE


UNIT – V CASE STUDIES

The Environmentally Responsible Business Strategies (ERBS) – Case Study Scenarios for Trial Runs – CASE STUDIES – Applying Green IT Strategies and Applications to a Home, Hospital, Packaging Industry and Telecom Sector.

TOTAL: 45

TEXT BOOKS:


REFERENCES: