



Sub Committee for Curriculum Development

Course Name: Introduction to Green IT

Course Code : T3232

(UG/PG): UG

Number of Credits: 2

Level: 2

Learning Objective(s): The objective of this course is to gained knowledge of terminology, an understanding and implementing the principles of "Green IT".

Pre-requisites:

Basic Software concept.

Pedagogy:

Lectures
Case Studies

Pre-learning:

Knowledge of computer.
Understanding of business processes in various types of industries.

Course Outline:

Sr. No.	Topic	Hours
1	Understanding and Need of Green IT Definition of Green IT Climate Change Dangerous and exploitive working practices Consumption of precious resources The effect of unsustainable working practices The effect of hazardous waste use and disposal	3
2	Green IT Government Policies How to create Policy It's Role It's Importance	1.5

3	<p>External drivers Political Environmental Social Legal Economic</p> <p>Internal drivers Cost Operations Marketing/PR Culture</p>	4.5
4	<p>Understand the goals and objectives of Govt. legislation and voluntary initiatives pertaining to Green IT</p> <p>ISO14001 BSI PAS 2050 Energy Star EPEAT WEEE</p>	10
5	<p>Risks and opportunities</p> <p>Printing and recycling Desktop kit Energy efficient computing Mobile and remote working Resource sharing platforms Assessment of environmental and property impacts Virtualisation Dematerialisation - from assets to services Cloud Computing/ Software as a Service (SaaS) Power efficiency technology Data centre rationalisation Out-sourcing opportunities</p>	5
6	<p>Resource Responsibility The Green IT Champion The Procurement Manager The Sustainability Officer Corporate Social Responsibility Manager (CSR)</p>	3
7	<p>Finance and Cost Benefit Analysis End to end costing (life cycle approach) TCO (total cost of ownership) and equipment refresh Calculating the payoff period of investments in Green IT Tools and methods available</p>	3
	Total	30

Books Recommended:

- 1. Green IT Technologies and Applications by Kim,Jae H;Lee Myung J.
- 2. Feasibility study on Green IT by B.Pyakuryal
- 3. Green IT Practices by Mark O'Neil

<https://www.edctraining.org>

Suggested Evaluation Methods:

- On line Test
- Class test
- Assignments

Parallel/Similar courses the existing curriculum:

S.No.	Name of the course	Institute where it was offered

Name of Member					
Designation					
Org. / Inst.					
Signature					

Name of the Expert:

Signature:

Date: