Chapter 1 : Introduction **1-1 to 1-27**

Syllabus : Environmental Impacts of IT, Holistic Approach to Greening IT, Green IT Standards and Eco-Labeling, Enterprise Green IT Strategy

Hardware : Life Cycle of a Device or Hardware, Reuse, Recycle and Dispose

Software : Introduction, Energy-Saving Software Techniques

Self learning Topics : Evaluating and Measuring Software Impact to Platform Power

Syllabus : Sustainable Software, Software Sustainability Attributes, Software Sustainability Metrics

Data Centres and Associated Energy Challenges, Data Centre IT Infrastructure, Data Centre Facility Infrastructure : Implications for Energy Efficiency, Green Data Centre Metrics

Self-learning Topics : Sustainable Software : A Case Study, Data Centre Management Strategies : A Case Study

Syllabus : Storage Media Power Characteristics, Energy Management Techniques for Hard Disks

Objectives of Green Network Protocols, Green Network Protocols and Standards

Self learning Topics : System-Level Energy Management

Syllabus : Approaching Green IT Strategies, Business Drivers of Green IT Strategy Multilevel Sustainable Information, Sustainability Hierarchy Models, Product Level Information, Individual Level Information, Functional Level Information, Measuring the Maturity of Sustainable ICT : A Capability Maturity Framework for SICT, Defining the Scope and Goal, Capability Maturity Levels

Self learning Topics : Business Dimensions for Green IT Transformation

Syllabus : Factors Driving the Development of Sustainable IT, Sustainable IT Services (SITS), SITS Strategic Framework

Organizational and Enterprise Greening, Information Systems in Greening Enterprises, Greening the Enterprise : IT Usage and Hardware

Self learning Topics : Inter-organizational Enterprise Activities and Green Issues, Enablers and Making the Case for IT and the Green Enterprise

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