



<b>Unit I</b>
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**Chapter 1 : Overview and Issues****1-1 to 1-12**

**Syllabus** : Problems : Toxins, Power Consumption, Equipment Disposal, Company's Carbon Footprint : Measuring, Details, reasons to bother, Plan for the Future, Cost Savings : Hardware, Power.

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Unit II

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**Syllabus :** Power Problems, Monitoring Power Usage, Servers, Low-Cost Options, Reducing Power Use, Data De-Duplication, Virtualization, Management, Bigger Drives, Involving the Utility Company, Low-Power Computers, PCs, Linux, Components, Servers, Computer Settings, Storage, Monitors, Power Supplies, Wireless Devices, Software.

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Air Directly to Heat Sources, Fans, Humidity, Adding Cooling, Fluid Considerations, System Design, Datacentre Design, Centralized Control, Design for Your Needs, Put Everything Together.

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<b>Unit III</b>
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<b>Unit IV</b>
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**Chapter 7 : Recycling****7-1 to 7-25**

**Syllabus :** Problems, China, Africa, Materials, Means of Disposal, Recycling, Refurbishing, Make the Decision, Life Cycle, from beginning to end, Life, Cost, Green Design, Recycling Companies, Finding the Best One, Checklist, Certifications, Hard Drive Recycling, Consequences, cleaning a Hard Drive, Pros and cons of each method, CDs and DVDs, good and bad about CD and DVDs disposal, Change the mind-set, David vs. America Online.

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## **Chapter 8 : Hardware Consideration**

**8-1 to 8-16**

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<b>Unit V</b>
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Initial Improvement Calculations, Selecting Metrics, Tracking Progress, Change Business Processes, Customer Interaction, Paper Reduction, Green Supply Chain, Improve Technology Infrastructure, Reduce PCs and Servers, Shared Services, Hardware Costs, Cooling.

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**Syllabus :** Organizational Check-ups, Chief Green Officer, Evolution, Sell the CEO, SMART Goals, Equipment Check-ups, and Gather Data, Tracking the data, Baseline Data, Benchmarking, Analyse Data, Conduct Audits, Certifications, Benefits, Realities, and Helpful Organizations.

✓ **Syllabus Topic :** Organizational Check-ups : Chief Green Officer, Evolution, Sell the CEO,



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