Atharva Jindam
FYCS-18

Practical - 5: Using practical examples describe, green computing. List and explain the steps that you take to contribute to green computing.

Q1 What is green computing?

Green computing, also called green technology, is the environmentally responsible use of computers and related resources. Such practices include the implementation of energy-efficient central processing units (CPUs),servers and peripherals as well as reduced resource consumption and proper disposal of electronic waste (e-waste).

Green computing" is the name attached to this movement, which represents an environmentally responsible way to reduce power and environmental waste.

The goals of green computing are similar to green chemistry; reduce the use of hazardous materials, maximize energy efficiency during the product's lifetime, and promote the recyclability or biodegradability of defunct products and factory waste research continues into key areas such as making the use of computers as energy-efficient as possible, and designing algorithms and systems for efficiency-related computer technologies.

Simple Steps to Green Computing:

1.Develop a sustainable green computing plan
2.Recycle
3.Make environmentally sound purchase decisions
4.Reduce Paper Consumption
5.Conserve energy

Q2. Why go green ?

1.ClimateChange: First and foremost, conclusive research shows that CO2 and other emissions are causing global climate and environmental damage. preserving the planet is a valid goal because it aims to preserve life.

2. Saving:
Green computing can lead to serious cost saving overtime. Reduction in energy cost from server, cooling, and lighting are generating serious savings for many corporation.

3. Reliability of power
As energy demands in the world go up, energy supply is declining or flat. Energy efficient systems help to ensure healthy power systems. Also, more companies are generating more go their own electricity, which further motivates them to keep power
consumption low.

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Q3. Steps that I would take to contribute to green computing are as follows.

1. Recycle
Discard used or unwanted electronic equipment in a convenient and environmentally responsible manner. computers have toxin metals and pollutants that can emit harmful emissions into the environment.

2. Develop a sustainable green computing plan
Discuss with your business leaders the element that should be factored into such a plan, including

3. Look for the ENERGY STAR
Consider energy efficiency when shopping for new equipment by looking for products with an ENERGY STAR.

4. Turn Off Your Monitor
Your monitor uses a lot of power, so put it in standby or turn it off when not in use.

5. Adjust the Brightness
The brightest setting on a monitor consumes twice the power used by the dimmest setting.

6. Don't Use a Screen Saver
Screen savers consume power and are unnecessary. Instead set your monitor to go blank or dim when not in use.

7. Off Peripherals
When you don't need your speakers, scanner, and other add-ons, turn them off.

8. Leave Your Printer Off
A printer draws a lot of power, so leave it off until you need it. Also make sure its power settings include a standby mode that consumes less energy when on.

9. Preview Before You Print
Select and print only the content you need. Omit unneeded pages from the printing job.

10. Print on Both Sides
Another way to reduce the amount of paper you use is to print multiple pages on a single sheet.