Green Computing
What Is Green Computing....?
Green computing is the term used to denote efficient use of resources in computing.

It is also known as Green IT.

Key issues are energy efficiency in computing and promoting environmentally friendly computer technologies.

It is "the study and practice of designing, manufacturing, using, and disposing of computers, servers, and associated subsystems."
In 1992, the U.S. Environmental Protection Agency launched Energy Star, a voluntary labeling program. It is designed to promote and recognize energy-efficiency in monitors, climate control equipment, and other technologies.
The term "green computing" was probably coined shortly after the Energy Star program began.

The Swedish organization TCO(Total Cost of Ownership) Development launched the TCO Certification program to promote low magnetic and electrical emissions from CRT-based computer displays.
Approaches
Virtualization

- Process of running 2 or more logical computer systems on one set of Physical Hardware.
- Advantages (Cooling, Movement, Maintainability)

CPU Is A Valuable Source!!
- Take Back Policy
• Working from Home
• Reduce Travelling
• Motto is “Work is something you travel to”
• Associated Technologies
  • VPN
  • Video

Material Management

Materials restricted by RoHS (Restriction of Hazardous Substances Directive)

• Lead
• Mercury
• Cadmium
• Hexavalent Chromium
Tips For Going Green

1. Minimize electricity used by server
2. Conserve water by using recycled water
3. Reuse or recycle all electrical components
Johan Lugun (1st MCA)
Karunya University