Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
Miramar, Panaji-Goa

Hardware Maintenance

[2 Credits 30 hours]

Course Objective:

The course is intended to prepare the students for entrance examinations for post-graduation courses in Computer Science.

Learning Outcome:

The students will be able to solve logical, analytical, mathematical, reasoning, problems that are part of various competitive examinations

Course Contents

1. Basic hardware components: I/O devices, CD drive, CPU,UPS, Harddisk, RAM, ROWM,SMPU, Buses, Battery, Identification and functions(2)

2. Motherboards components: identify connectors, slots, ports (USB, VGA, DVI, and HDMI), cables and Connectors. Identification and functions(2)

3. Components and connections. CPU (Processor) RAM (Memory) Hard Drive Connections Mechanical vs. Solid State Drives ROM Drives Graphic Cards, Sound Cards,DDR3 and DDR4 RAM's FSB.(4)

4. Identifying basis startup errors: Memory slot- Test and understand various beep sounds ,removing the Processor, Installing the Processor.(2)

5. Installing Operating systems: windows and linux (4)

6. Network basics: LAN, MAN, WAN, network components, addresses(4)

Reference:
Edward Cheung – Computer Organization, PC maintenance & Trouble shooting

Ms Shilpa Naik