



Rayat Shikshan Sanstha's
Karmaveer Bhaurao Patil Institute of Management
Studies and Research, Varye, Satara.

Crash Course
Certificate Course in Computer Hardware and Networking.

Objective of Course-

To provide practical knowledge to students about PC Maintenance and Troubleshooting. This course is designed to get expertise in PC maintenance.

Duration - 3 months

Course fee 2000 Rupees.

Contact Sessions-

Theory-	20 hrs
Practical-	40 hrs
Total	60 hrs

Eligibility - HSC Pass

Intake - 30

Medium of Instruction- English

Contents - Following contents are covered in Course.

Unit 1 Hardware:-

- A. Introduction of computer components.
 - 1. Mother board / Main board
 - 2. Storage Devices (HDD, CD, DVD, floppy Etc.)
 - 3. Memory
 - 4. Display Unit
 - 5. Keyboard, Mouse

- B. Hardware Installation, Problems and Troubleshooting. (Pc assembling)
 - 1. Mother board Installation
 - 2. SMPS Installation
 - 3. RAM, HDD installation
 - 4. Printer Installation.

- C. Installation of Operating System, Application software's and Troubleshooting.
 - 1. XP Installation
 - 2. Win 7 Installation
 - 3. Drivers Installation
 - 4. MS Office Installation
 - 5. Other Software (PDF, Media Player)

Unit 2 - Networking: -

- A. Introduction Of network
 - Types of Networks
 - 1. LAN
 - 2. WAN
 - 3. MAN

- B. Networks Components
 - 1. Modem
 - 2. Switch
 - 3. Hub
 - 4. Different cables

- C. Cable crimping and Network Parts Installation.
 - 1. Switch Installation
 - 2. Assign IP
 - 3. Create a workgroup.
 - 4. Network printer Installation.
 - 5. Modem Installation.

- D. Network Problems and Troubleshooting.

Number of lectures required for Certificate Course in Computer Hardware and Networking.

Name of Unit	Theory	Practical	No of lectures
Unit 1 - Hardware	10	25	35
Unit 2 - Networking	10	15	25
Total	20	40	60