

CERTIFICATE ON COMPUTER HARDWARE

Course Code:VAE_IT03

Duration: 3 Months(1+1+1)

Course Level I : Basic (30 Hours)

Course Level II : Core (30 Hours)

Course Level III : Expert (30 Hours)

Fees: ₹500/-(For each level)

Minimum Eligibility Criteria : HSLC Passed

Objectives of the Course : The objective of this course is to provide the students much needed knowledge of computer hardware and networking, enabling them to identify and rectify the onboard computer hardware, software and computer network related problems.

Course Outcome : On successful completion of this course a students shall be able to: Understand basic concept & structure of Computer Hardware & Networking Components, Identify the existing configuration of the computers & peripherals, re-install OS & various shipboard applications, Perform routine maintenance, upgrades of virus definitions, set schedules etc., Manage data backup & restore operations.

Syllabus:

Course Level I : Basic (30 Hours)

Unit I

1. Introduction about Computer
2. Opening the PC and identification.
3. Study of different blocks,

Unit II

1. Types of Memory
2. Hard Disk Drive
3. Floppy Disk Drive
4. CD-ROM Drive
5. Switching Mode Power Supply (SMPS)

Unit III

1. Installation and basic troubleshooting of Printers
2. Introduction to OS & MS OFFICE 2007 and above

Course Level II : Core (30 Hours)

Unit I

1. Essential security measures.
2. Types of motherboards

Unit II

1. Troubleshooting of SMPS
2. BIOS/CMOS
3. Assembling the PC
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Course Level III : Expert (30 Hours)

1. Installation of Multiple OS.
2. Repairing Windows using command prompt
3. Installing & Configuring Antivirus
4. Installing Security Patches
5. Recovery and backup.
6. Configuring Windows.