



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

Shilpa Nark
Ms Shilpa Nark

Dempo Charities Trust
Dhempe College of Arts & Science
 Miramar - Goa.

Academic Year: 2016 - 17

SHORT TERM COURSE ATTENDANCE SHEET

Name of the Course : **Hardware Maintenance (20Hrs.)**

Class :- **T.Y.B.Sc.**

Lecture No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Date:-	26/11	26/11	27/11	27/11	4/12	4/12	10/12	10/12	11/12	11/12	17/12	17/12	18/12	18/12	24/12	24/12	25/12	25/12	14/1	14/1
Time:-	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1	11-12	12-1
Roll no.	Name of the Student																			
135	Mr. Najeem Abdul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
136	Mr. Wahab Abdul	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Shilpa Nait
 Ms. Shilpa Nait
 Incharge



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

Department of Computer Science & IT

Report of Hardware Maintenance

Class: TYBSc Computer Science

Number of Students: 02

Fees charged: Rs 1000 per student

Duration: 20 hours

Aim: To learn to connect maintain basic PC problems.

Conducted from: March 2017

Instructor: Mr Saurabh Naik

The course on Hardware Maintenanceas conducted for TYBSc Computer Science students for the academic year 201-16. The course of 20 hour duration was conducted during the end of the second term in March 2017

The course teaches students the techniques to setup a computer and solving basic hardwareproblems.