



**SANT BABA BHAG SINGH
UNIVERSITY**

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Approved under Punjab Govt. Act no.6 of 2015
Recognized by UGC under Section 2(f) of UGC Act, 1956
KHIALA, ADAMPUR, JALANDHAR



VALUE ADDED COURSE CERTIFICATE IN COMPUTER HARDWARE.

DESIGNED BY: MULTIMEDIA DEPARTMENT

DEPARTMENT OF COMPUTER SCIENCE & APPLICATION

DURATION: 30 HOURS

START DATE: 05TH OCT. 2021

COORDINATOR:-

Dr. UMESH SEHGAL(HOD)

Ms. HARJIT KAUR (A.P)

DEPARTMENT OF

COMPUTER SCIENCE & APPLICATION

**SANT BABA BHAG SINGH UNIVERSITY,
JALANDHAR**



Syllabus of Computer Hardware

Max: 30 Hours

INTRODUCTION

Introduction to Computer Peripheral Devices, PC -XT and PC-AT Computers, Desktop, Laptop, Tower Types.

WORKING PRINCIPLE OF DEVICES

Working Principle of Peripheral Cards such as Video Card, Sound Card, IDE Card, Modems Card, TV Tuner Cards etc.

Working Principle of Floppy Disk Drive and Troubleshooting, Working Principle of Hard Disk Drive and troubleshooting, Working Principle of CD ROM Drive and Troubleshooting. Understanding the Ports and their Functions USB, IRDA, WOL, AIRBUS, SERIAL and PARALLEL.

SERIAL DEVICES

Classification, Working Principle of Keyboard, Classification, Working Principle of Mouse.

PARALLEL DEVICES

Classification, Working Principle of Printer. MEMORY Understanding ROM and RAM, Types of Memory Modules used in PC.

ASSEMBLING, DISASSEMBLING OF PC

Assembling and Disassembling of Personal Computer. MOTHER BOARD Various Components of MotherBoard, Jumpers, Their Uses and Setting.

POWER SUPPLY

Understanding AT and ATX Power Supply. CMOS STUDY CMOS Setup Options, Configuration of CMOS Settings, Password Setting and Removing Password.

TROUBLE SHOOTING

Hanging Problem of Computer, Troubleshooting Memory, Booting Problem and Diagnostic Steps, Identification and Troubleshooting, Virus Problem, Troubleshooting of Modem and Diagnostic, Windows Troubleshooting .

REGISTRATION FORM

Value Added Courses

Name _____

Date of Birth _____ Department _____

Class/Semester _____

Address for correspondence _____

Contact No. _____

Email _____

Signature of Applicant

VENUE

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For more Information Contact:

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