

# **SANT HIRDARAM GIRLS COLLEGE, BHOPAL**

## **Department of Computer Science**

### **Certificate Course in System Tools and Techniques**

**Academic Year- 2018-19**

#### **Course Objectives:**

- Give students an in-depth understanding of why computers are essential components in business, education and society. –
- Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- Provide foundational or “computer literacy” curriculum that prepares students for life-long learning of computer concepts and skills..
- Understand basic concept & structure of Computer Hardware.

#### **Course Outcome:**

Upon completion of this course, the student will be able apply technical knowledge and perform specific technical skills, including:

- Describe the usage of computers and why computers are essential components in business and society.
- Utilize the Internet Web resources and evaluate on-line e-business system.
- Identify categories of programs, system software and applications. Organize and work with files and folders.
- Describe various types of networks, network standards and communication software.
- Students will be able to understand the hardware specifications that are required to run operating system.

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## Certificate Course in System Tools and Techniques

### Course Content

Course Duration: - 60 Days (12-07-2018 to 30-09-2018)

Fees: - \_\_\_\_\_

Module	Content	Duration
<b>System Tools and Techniques</b>	<ul style="list-style-type: none"><li>➤ Fundamental of Computer : Introduction, Block Diagram of Computer, Basic computer Components , Input Device, Output Device, Storage Device.</li><li>➤ Introduction to Operating System: Types of OS , Disk Operating System , Internal DOS Commands, External DOS Commands.</li><li>➤ Windows Operating System :- Paintbrush, Notepad , Control Panel .</li><li>➤ Hardware Vs Software</li><li>➤ System Tools</li><li>➤ Disassembling</li><li>➤ Assembling</li><li>➤ General Electronic</li><li>➤ DIOD, Condenser, Resistance</li><li>➤ SMPS</li><li>➤ Motherboard</li><li>➤ Hard disk , CD Drive , DVD , Pen Drive</li><li>➤ Formatting and Partition of Drive</li><li>➤ Windows 8.1</li><li>➤ Windows 10 Drive Identification</li><li>➤ Software Installation</li><li>➤ Application Installation</li><li>➤ Virus Type and function</li><li>➤ Virus Protection &amp; Antivirus</li><li>➤ Basic Network Concept</li><li>➤ Topologies</li><li>➤ Network Security</li><li>➤ Components of Network</li><li>➤ Team Viewer</li><li>➤ System Tips and Tricks</li></ul>	<b>60 days</b>

