

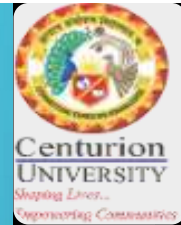


## Fundamentals of Computer Application (SOAS)

Year: 2019

This Apparel Production & Marketing webinar was organized on the year of 2018-19. Which gives brief idea about computer components and its uses. Organized by School of Applied Science.

# Fundamentals of Computer Application (SOAS)



Date : 19/02/2019

Centurion University of Technology and Management



Pre-requisites: Nil  
 Course Type : Audit (Workshop)  
 Duration : 30 Hours

### Course Objectives:

- Identify the function of computer hardware components.
- Identify the factors that go into an individual or organizational decision on how to purchase computer equipment.
- Identify how to maintain computer equipment and solve common problems relating to computer hardware.
- Identify how software and hardware work together to perform computing tasks and how software is developed and upgraded
- Identify different types of software, general concepts relating to software categories, and the tasks to which each type of software is most suited or not suited.

## Learning Outcomes:

- Understand the fundamental hardware components that make up a computer's hardware and the role of each of these components.
- Understand the difference between an operating system and an application program, and what each is used for in a computer.
- Describe some examples of computers and state the effect that the use of computer technology has had on some common products

Module	Contents	Duration
Module-1	Computer Basics: A simple model of computers, Digital and Analog Computers, Evolution of digital computers, Major Components of a digital computer, hardware, software, firmware, middle ware, freeware. Input/output Devices Input Devices, Output Devices, Printers, and Plotters, Other forms of Output devices, Input and Output port.	6 hours
Module-2	Number System: Decimal Number System, Binary Number System, conversion of numbers(binary to decimal, decimal to binary), Addition of Binary Numbers, 1's complement and 2's complement representation of numbers, Binary Subtraction, Binary Multiplication, Binary Division, Hexadecimal and octal number system, ASCII and ISCI code, EBCDIC code, Gray codes, Fixed point and Floating Point Representation, Overflow and Underflow.	6 hours
Module-3	Logic Circuits: Switching circuits, AND/OR operations NOT operations, Boolean Functions, Canonical Forms of Boolean Functions, Logic circuits.	6 hours
Module-4	Processor: CPU organization, Structure of Instruction, A6 machine level language Computer Memory: Read only memory, Serial Access memory, Main memory, Secondary memory: Magnetic hard disk, Floppy disk Drives, Compact Disk Read Only memory Magnetic tape Drives.	6 hours
Module-5	Computer Architecture: Interconnection of units, Processor to memory communication, I/O to processor communication, Interrupt Structure, Multi programming, Processor Features, RISC, Virtual Memory.	6 hours
<b>TOTAL</b>		<b>30 hours</b>

Anita Patra



Dr. Anita Patra, Registrar, CUTM

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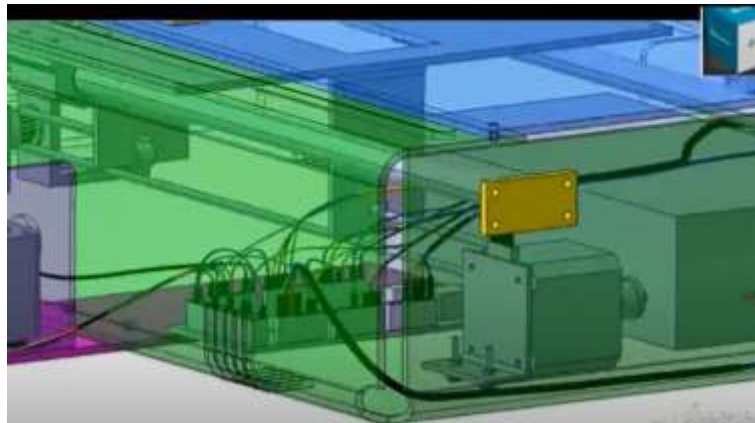


Convener



**A REPORT ON  
NAME OF THE EVENT:  
FUNDAMENTALS OF COMPUTER APPLICATION (SOAS)  
TOTAL NUMBER OF PARTICIPANTS: 48  
ACADEMIC YEAR: 2018-19  
DATE: 19.02.2019**

The program intended to identify the function of computer hardware components and to make familiar with the factors that go into an individual or organizational decision on how to purchase computer equipment. Furthermore, the participants were expected to identify how to maintain computer equipment and solve common problems relating to computer hardware. How software and hardware work together to perform computing tasks and how software is developed and upgraded was extensively discussed in the program. The interactive sessions of the program include types of software, general concepts relating to software categories, and the tasks to which each type of software is most suited or not suited.



**Lecture on Basics of Computer Application on 19.02.2019**

The Computer Applications program is designed to provide the skills needed in the use of application software on a computer. Applications covered include word processing, spreadsheets, databases, desktop publishing, the Internet, and the Windows operating systems.

The major computer applications in this event are as follows:

1. PowerPoint
2. Excel
3. Word
4. HTML
5. Operating Systems etc.

The students at the end of the program made themselves aware of the following concepts:

1. Hardware components that make up a computer's hardware and the role of each of these components.
2. Operating system and an application program, and what each is used for in a computer.
3. Computers and state the effect that the use of computer technology.



**Dr. Anita Patra, Registrar, CUTM**



**Convener**



## List of Participants:

**Name of Event:** Fundamentals of Computer Application (SOAS)

**Organized by:** SoAS, Centurion University of Technology and Management

**Date:** 19 February 2019

This Apparel Production & Marketing webinar was organized in the year of 2018-19. Which gives brief idea about computer components and its uses. Organized by School of Applied Science.

### List of Participants:

S.No.	Name	Reg. No.	Presence/Absent
1	D GIRIDHAR	170101160013	Present
2	DUVVARI SHYAMSUNDARA RAO	170101160007	Present
3	EPILLI SUSANTA	170101160005	Present
4	KADAGALA GOPALA KRISHNA	170101160015	Present
5	KAPPALA SHYAM SUNDAR	170101160029	Present
6	MOHAMMAD KAMRAN	170101160027	Present
7	MOSA ABHISHEKH	170101160026	Present
8	PINNINTI VIKASH	170101160014	Present
9	SADASIVUNI SAI KUMAR PATTNAIK	170101160019	Present
10	SAHUKAR SAIKRISHNA	170101160025	Present
11	TAMADA CHAKRAVARTHY	170101160010	Present
12	UDU SAIKUMAR	170101160002	Present
13	O.DILLESWAR RAO	180101160010	Present
14	YESHI WANGCHUK	180101160011	Present
15	VOONA SRIJA	170101120019	Present
16	P. HARSHAVARDHAN	170101120020	Present
17	SAI KIRAN KUMAR PANDA	180101160005	Present
18	RATNALA AKHIL	180101160006	Present
19	RAGHUTHU SHIVA	180101160008	Present
20	JAGADISH DASH	180101161012	Present
21	KAMAL BEHERA	170301160002	Absent
22	MD HAFIZUR REHMAN	170301160008	Present
23	BISWAJIT MOHANTY	170301160010	Present
24	ARIPILLI SANTOSH SAIRAM PRASAD	170101160031	Present

25	BALLA YUGENDAR	170101160008	Present
26	BATTINI PRAMEETH KUMAR	170101160028	Present
27	KOMARA SRINIVASA RAO	170101160020	Present
28	KRISHNANDU BORUAH	170101160024	Present
29	MANYALA RAHUL	170101160006	Absent
30	POTNURU SATISH	170101160012	Present
31	RUPAK KUMAR SAMAL	170101160003	Present
32	S. VAMSI KRISHNA	170101160004	Present
33	S.SANDEEP	170101160016	Present
34	SATISH KUMAR PANDA	170101160030	Present
35	SUSHANT PATNAIK	170101160001	Present
36	VANA RUDHIR	170101160022	Present
37	P.SAIKIRAN	180101160007	Present
38	U.MOHAN KUMAR	180101160009	Present
39	G MANIKANTHA	180101160001	Present
40	PONDURU SHYAM SUNDAR RAO	180101160002	Present
42	PALLI PAVAN KUMAR	180101160003	Absent
42	ROUTU CHAITANYA	180101160004	Present
43	DURGASANKAR MOHANTY	170301160013	Present
44	SUDIPTA SUNDAR ROY	170301160016	Present
45	SAHIL KUMAR PANDEY	170301160017	Present
46	T. GREESHMA	170101120017	Absent
47	PRANAY RAJ	170101120021	Present
48	BADAL CHOUDHURY	170101120022	Present

Anita Patra



Dr. Anita Patra, Registrar, CUTM

*[Handwritten Signature]*



Convener