Name of Teacher: Ahale Chetna
Class: B.C.A.F.Y. Semester: I
Course Title: Fundamentals of IT   **Course Code:U-FIT-179**

Unit	Topics to be covered	Date	No. of Lectures
UNIT- I	**Computer System AND Data Representation within Computer** **Ch 1. Introduction to Computer System** 1.1. Introduction 1.2. Basic structure , ALU memory , CPU , I/O devices 1.3. Generations of computer 1.4. Evolution of computer 1.5. Classification of computers : Notebook computers, personal computers, workstation, micro, mini, mainframe, super computer. **Ch 2 Data Representation within Computer** 2.1. Bit , Byte, Word 2.2. ASCII, EBCDIC, BCD code 2.3. Introduction to number system 2.4. Decimal , Binary, Octal , Hexadecimal	30/9/2020 To 28/10/2020	21
UNIT- II	**Input Output Devices AND Memory** 3.1. Input Devices: Keyboard, Point & Draw Devices, 3.2. Data Scanning devices, Digitizer, Electronic Card Reader, Voice Recognition devices 3.3. Output Devices Monitor, Printer, Plotter, Screen Image projector, voice response system. **Ch 4. Memory** 4.1. RAM, ROM, PROM, EPROM, EEPROM 4.2. Base Memory , Extended memory, Expanded memory, cache memory 4.3. Storage devices : Tape, FDD, HDD, CD ROM	29/10/2020 to 23/11/2020	20
UNIT- III	**Computer Software** 5.1. Definition of software 5.2. Types of software: Compilers, Interpreters, Assemblers, Linkers, Loaders 5.3. Operating System: Introduction 5.4. Main function of operating system 5.5. Files and directories 5.6. Types of OS	24/11/2020 to 7/1/2020	25
UNIT- IV	**Operating system And Internet** **Ch 6. Operating system** 6.1. Fundamentals of DOS, Booting procedure of DOS 6.2. DOS commands (Internal & External) 6.3. Configuration of DOS (Confis.sys) ,Batch file concepts(Autoexe.bat) 6.4. Introduction to WINDOWS 6.5. Introduction to LINUX **Ch 7. Internet :Basic services** 7.1. Email, File Transfer Protocol, Telnet 7.2. Internet search tools 7.3. www browsers 7.4. uses of the internet	8/1/2021 to 25/1/2021	15

1. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Practical paper code	Total Teaching Hrs	Course Code
2	BCAFY [II - Sem]	Ms. Chetna P Ahale	Operating System	U-LAC-283	TH:61 Pr: 15	U-OPS-279

2. Summary of Lesson Plan

Name of Teacher: Ms. Chetna P Ahale   **Class :B. C. A.F.Y. (II Semester)**

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Operating System U-OPS-279	UNIT I: 1. Introduction Definition of O.S. Types of O.S, O.S. as resource manager, O.S. Process view, Hierarchical view 2. Introduction to windows O.S. Introduction. History. Files and Folders. Architecture of windows. Basics of Windows: desktop, my computer. 3. Features of MS-Windows GUI, Multitasking, Multi-user, network etc.Important files of windows	10.03.21	25.03.21	13	Class seminars	Online Test on Unit –I at the end of Unit - I
		Unit II: 4. Memory management Single continues allocation. Introduction to multiprogramming. Partitioned Memory management. Paged memory management, demand paged memory management. Segmented Memory	26.03.21	3.04.21		Class room	Unit – II Assignment and Online test

2		management			8	Seminar	using google form
3	Operating System U-OPS-279	Unit III: 5. Processor Management State model. Job Scheduling Process Scheduling Multiprocessor system Process synchronization	4.04.21	30.04.21	20	Class room Seminar	**Unit – III** Chapters 1 (Practice and Class room Seminar) Chapters2 (Practice and Class room Seminar) Online test using google form
4		Unit IV: 6. Device management . Techniques for Device management. Devise management characteristics. Channels and control units. Device allocation consideration 7. Information management A simple file system. General model of a file system. Symbolic File System. Basic File System.	5.0521	26.05.21	17	Class room Seminar	Unit – II Assignment and Online test using google form