GOVT.POLYTECHNIC MANESAR
Lesson Plan (MOCS)

Name of the Faculty: Devender Singh
Discipline: Electronics Engg.
Semester: 6th
Subject :   MOCS
Lesson Plan Duration: (From Jan, 2018 to April, 2018)
Work Load (Lecture/Practical) per week (In hour):   Lecture-04, Practical-03

Week	Lecture Day	Topic(including assignment/Test)	Practical Day	Topic
		Theory		**Practical**
1st	1ST	Subject Plan and covering strategy; discussion of syllabus.	1st(G1)	Operation, Maintenance, Installation and Testing of Monitors (LCD and LED)
	2nd	1. Mother Board Introduction to different type of mother boards,	2nd (G2)	Operation, Maintenance, Installation and Testing of Monitors (LCD and LED)
	3rd	1. Mother Board Introduction to different type of mother boards,		
	4th	Single Board Based System.		
2nd	5th	Block diagram of motherboard.	3rd (G1)	Operation, Maintenance, Installation and Testing of HDD, Partitioning and Formatting
	6th	Installation of Computer System.^{d}	4th (G2)	Operation, Maintenance, Installation and Testing of HDD, Partitioning and Formatting
	7th	Installation of Computer System.^{d}		
	8th	Revision/ doubt session		
3rd	9th	Buses and Ports Different type of Buses PCI,	5th (G1)	Operation, Maintenance, Installation and Testing of DOT Matrix Printer
	10th	Different type of Buses PCI, SCSI and Serial and Parallel ports	6th (G2)	Operation, Maintenance, Installation and Testing of DOT Matrix Printer
	11th	SCSI and Serial and Parallel ports (COM ports) Ports COM 1, LPTI, USB.		
	12th	SCSI and Serial and Parallel ports (COM ports) Ports COM 1, LPTI, USB..		
4th	13th	RS 232 C, use of computer for instrumentation.	7th (G1)	Operation, Maintenance, Installation and Testing of Laser Printer

	14th	RS 232 C, use of computer for instrumentation.	8th (G2)	Operation, Maintenance, Installation and Testing of Laser Printer
	15tH	RS 232 C, use of computer for instrumentation.		
	16th	Revision/ doubt session		
5th	17th	Pre sessional test	9th (G1)	Operation, Maintenance, Installation and Testing of Mother board based on latest microprocessor and chipset CMOS Set up.
	18th	Memory Concept of Memory; Types of Memory. Primary and secondary memory. Volatile and non Volatile Memory.	10th (G2)	Operation, Maintenance, Installation and Testing of Mother board based on latest microprocessor and chipset CMOS Set up.
	19	Memory Principle and construction of Hard Disk Drive (HDD).		
	20th	Concept of Floppy Disk Controller & Hard Disk Controller.		
6th	21st	Concept of addressing system, formatting of drives.	11th (G1)	Operation, Maintenance, Installation and Testing of DVD-ROM/DVD Writer
	22nd	Floppy Disk Controller & Hard Disk Controller.	12th (G2)	Operation, Maintenance, Installation and Testing of DVD-ROM/DVD Writer
	23rd	Pen Drives, common faults with hard disk drive and floppy disk drive.		
	24th	Pen Drives, common faults with hard disk drive and floppy disk drive.		
7th	25nd	RAM Module.	13th (G1)	Operation, Maintenance, Installation and Testing of Connectors and Cables
	26rd	RAM Module.	14th (G2)	Operation, Maintenance, Installation and Testing of Connectors and Cables
	27th	Revision/test/doubt session		
	28th	Keyboard and Mouse: Block Diagram of keyboard Controller.		
8th	29th	Keyboard switches, keyboard faults.	15th (G1)	Operation, Maintenance, Installation and Testing of MODEM/ROUTER/SWITCH
	30th	Mouse, common faults with mouse and optical mouse.	16th (G2)	Operation, Maintenance, Installation and Testing of MODEM/ROUTER/SWITCH
	31tH	Introduction to scanner.		

	32th	Introduction to digitizer.		
9th	33tH	Revision of chapter/ doubt session.	17th (G1)	Installation of any operating system.
	34th	Revision of chapter/ doubt session.	18th (G2)	Installation of any operating system.
	35th	CRT Display Devices Block Diagram.		
	36th	CRT Display Devices Block Diagram.,		
10th	37tH	Principle of operation of Computer Monitor.	19th (G1)	Establish LAN,WLAN, using Networking Devices
	38tH	Difference between TV and Computer Monitor.	20th (G2)	Establish LAN,WLAN, using Networking Devices
	39th	Video display Adaptors (monochrome and Colour), introduction to solid state displays		
	40th	Video display Adaptors (monochrome and Colour), introduction to solid state displays		
11th	41	Revision/doubt session	21st (G1)	Study of LAPTOP, IPAD, Smart Phone
	42	Test	22nd G2)	Study of LAPTOP, IPAD, Smart Phone
	43	Printers Printing Mechanism, Construction and working. Printers; concept.		
	44	principles of Dot Matrix Printer, Inkjet		
12th	45	Ink Jet Printer,	23rd (G1)	Revision of Practicals
	46	Laser Printer, Printer Controller, Centronics Interface, Signals from PC to Printer	24th (G2)	Revision of Practicals
	47	Printer Controller,		
	48	Centronics Interface, Signals from PC to Printer.		
13th	49	Revision of Chapter	25th (G1)	Revision of Practicals

	50	Pre Sessional test		26th (G2) Revision of Practicals		
	51	Networking Devices Introduction to networking devices.				
	52	Idea about a) LAN; types				
14th	53	WAN.		27th (G1) Revision of Practicals		
	54	Idea about Wi-Fi, WLAN		28th (G2) Revision of Practicals		
	55	Idea about b) ROUTER, SWITCH, HUB				
	56	SWITCH, HUB				
15th	57	Revision		29th (G1) Viva of practical no. 1 to 5		
	58	Modems: Need and functions of modems		30th (G2) Viva of practical no. 1 to 5		
	59	Need and functions of modems				
	60	Laptop: Their need, function and applications.				
16th	61	Laptop: Their need, function and applications.		31st (G1) Viva of practical no 6 to 11		
	62	Test		32nd (G2) Viva of practical no 6 to 11		
	63	Complete syllabus test				