

ACADEMIC SESSION : 2024-25 WINTER

Discipline: Civil & Mechanical	Semester:1st		Name of the Teaching Faculty: Deepak Kumar Barda
Subject:Introduction To IT Systems	No. of days / per week class allotted		Semester From date: 1 st :16/08/2024 to 10/12/2024 Nos. of Weeks per semester : 15
Week	Days		Theory Topics To be Covered
UNIT-1(22 PERIOD) 1 ST	1	1 st	Basic internet skills
	2	2 nd	Common applications of the internet
	3	3 rd	Understanding a browser
2 ND	4	1 st	Common browser features
	5	2 nd	Efficient use of search engines
	6	3 rd	Some popular browser variants
3 RD	7	1 st	How do search engines work?
	8	2 nd	What is digital India?
	9	3 rd	Pillars of digital India program
4 TH	10	1 st	Features of state portals
	11	2 nd	How to navigate a state portal
	12	3 rd	How to navigate a college portal?
5 TH	13	1 st	Computer system-central processing unit (CPU)
	14	2 nd	Arithmetic and logical unit(alu)
	15	3 rd	Control unit(cu) & memory unit
6 TH	16	1 st	Types of computer memory(RAM&ROM)
	17	2 nd	Secondary memory
	18	3 rd	Display & keyboards
7 TH	19	1 st	mouse and hard disk drive(hdd)
	20	2 nd	Input devices
	21	3 rd	Output devices
UNIT-2(9 PERIOD) 8 TH	22	1 st	Storage devices
	23	2 nd	Linux OS installation
	24	3 rd	Windows OS installation
9 TH	25	1 st	Unix shell-features of shell
	26	2 nd	Shell types
	27	3 rd	Shell commands-directory and file manipulation commands pwd,cd,ls,mkdir,rmdir
10 TH	28	1 st	Rm,mv,touch,cat,cp
	29	2 nd	Terminal, information and utility commands- clear,echo,repeat,history
	30	3 rd	Help,wc,diff,cmp,grep
	31	1 ST	VI editor command mode and Insert mode

11 th UNIT-3(03 PERIOD)			
	32	2 nd	Hyper text markup language 4
	33	3 rd	Cascaded style sheets(CSS)
12 th UNIT-4(04 PERIOD)	34	1 st	Making basic personal webpage
	35	2 nd	Open office tools-Installation of OpenOffice
	36	3 rd	Open office writer
13 th UNIT-5(07 PERIOD)	37	1 st	OpenOffice calc
	38	2 nd	OpenOffice Impress
	39	3 rd	Introduction to information security
14 th	40	1 st	Threats to information security-malware
	41	2 nd	Social engineering attacks
	42	3 rd	Combating information security threats firewall, databackup, VPN
15 th	43	1 st	Encryption, anti-virus software, IDS , IPS
	44	2 nd	Information security best practices
	45	3 rd	Social networking. Instant messaging

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