ACADEMIC SESSION : 2024-25 SUMMER
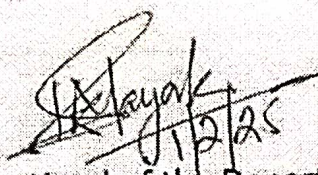
Discipline: ELECTRICAL & METALLURGY	Semester: 2nd		Name of the Teaching Faculty: Deepak Kumar Barda
Subject: Introduction To IT Systems	No. of days / per week class allotted		Semester From date: 1ST : 04/02/2025 to 17/05/2025 Nos. of Weeks per semester : 15

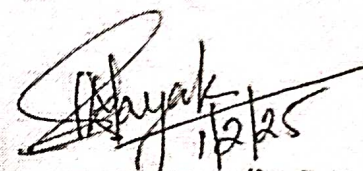| Week	Days		Theory Topics To be Covered
UNIT-1(22 PERIOD) 1ST	1	1st	Basic internet skills
	2	2nd	Common applications of the internet
	3	3rd	Understanding a browser
2ND	4	1st	Common browser features
	5	2nd	Efficient use of search engines
	6	3rd	Some popular browser variants
3RD	7	1st	How do search engines work?
	8	2nd	What is digital India?
	9	3rd	Pillars of digital India program
4TH	10	1st	Features of state portals
	11	2nd	How to navigate a state portal
	12	3rd	How to navigate a college portal?
5TH	13	1st	Computer system-central processing unit (CPU)
	14	2nd	Arithmetic and logical unit(alu)
	15	3rd	Control unit(cu) & memory unit
6TH	16	1st	Types of computer memory (RAM & ROM)
	17	2nd	Secondary memory
	18	3rd	Display & keyboards
7TH	19	1st	mouse and hard disk drive(hdd)
	20	2nd	Input devices
	21	3rd	Output devices
UNIT-2(9 PERIOD)	22	1st	Storage devices
	23	2nd	Linux OS installation
8TH	24	3rd	Windows OS installation
9TH	25	1st	Unix shell-features of shell
	26	2nd	Shell types
	27	3rd	Shell commands-directory and file manipulation commands pwd,cd,ls,mkdir,rmdir
10TH	28	1st	Rm,mv,touch,cat,cp
	29	2nd	Terminal, information and utility commands-clear, echo, repeat,history
	30	3rd	Help, wc, diff, cmp, grep

11th UNIT-3(03 PERIOD)	31	1ST	VI editor command mode and Insert mode
	32	2nd	Hyper text markup language 4
	33	3rd	Cascaded style sheets(CSS)
12th UNIT-4(04 PERIOD)	34	1st	Making basic personal webpage
	35	2nd	Open office tools-Installation of OpenOffice
	36	3rd	Open office writer
13th UNIT-5(07 PERIOD)	37	1st	OpenOffice calc
	38	2nd	OpenOffice impress
	39	3rd	Introduction to Information security
14th	40	1st	Threats to Information security-malware
	41	2nd	Social engineering attacks
	42	3rd	Combating information security threats firewall, data backup, VPN
15th	43	1st	Encryption, anti-virus software, IDS , IPS
	44	2nd	Information security best practices
	45	3rd	Social networking. Instant messaging

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01· 02· 2025
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