	Details o	f Courses fo	r Semeste	r-I, 2023-24 (UG)			
		B.Te	ch Semester-I				
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Student	Remarks	
NS1001	Mathematics-I (4 Sections)	3-1-0-4	NS	SSL+LKB+NKM +DM	558	Common for all	
	Engineering Mechanics (4 Sections)	2-1-2-4	NS	MKR+NRJ+ NKJ+YSK	558	Common for all	
	Effective Communications	1-2-0-2	LA	MA(C+D+E1+E2)& JAMF (A+B)	630	Common for all	
	Introduction to Programming In C 02 Batches	2-0-3-3	CSE	VKJ (T)+ Mr. Aditya Sharma(L)	280	only for CSE	
	Introduction to Programming In Python	2-0-3-3	ECE	AV	140	only for ECE	
	Introduction to Programming In Python	2-0-3-3	ME	Guest Faculty	208	Common for ME, SM and DS	
ES1002	Fundamentals of Electrical and Electronics Engineering	3-0-2-4	ECE	PKP+VB	280	only for CSE	
	Engineering Graphics	2-0-3-3	ME	PKJ+JKT [Lab: PKJ+JKT+YTD+ AKS+DSR]	345	Common for ECE,ME,SM and DS	
	Introduction to Profession (02 Batches)	1-0-0-1	CSE	VKJ	280	Common for CSE	
	Introduction to Profession	1-0-0-1	ECE	PKP	140	Common for ECE	
	Introduction to Profession	1-0-0-1	ME	MZA	73	Common for ME	
	Introduction to Profession	1-0-0-1	ME	MZA	69	Common for SM	
		B.De	es Semester-I				_
Course Code	Course Name	L-T-P-C	Offered By	Instructor	No. of Student		
DC4003	Design Fundamentals 1	2022	Discipline	V5	66	Common for Desire	
	Design Fundamentals 1	2-0-2-3	DS	VF	66	Common for Design	1
DS1003	Design Drawing	1-0-3-2	DS	VF	66	Common for Design	1
DS1004	Representation Technique	2-0-2-3	DS	VF	66	Common for Design	1
DS1005	Engineering Graphics	2-0-3-3	ME	PKJ+JKT [Lab: PKJ+JKT+YTD+ AKS+DSR]	345	Common for ECE,ME,SM and DS	1
HS1001	Effective Communications	1-2-0-2	LA	MA(C+D+E1+E2) & JAMF (A+B)	630	Elective course	1
	Introduction to Programming In Python	2-0-3-3	ME	Guest Faculty	208	Common for ME, SM and DS	1
	Introduction to Profession		DS	PM	66		
DS1001	microsaction to Froression	1-0-0-1	υ	PIVI	00	Common for Design	-
	Year	Long Courses (c	ommon for B.I	Des. and B.Tech.)			
ES1003	Innovation Theory and Practice	1-0-2-2	IA	Guest Faculty	630	To be checked with IIC & PCC	
PC1001	Professional Development Course	1-0-0-1	PLACEMENT		630	To be given by Placement	
							╡
			ch Semester III Offered By				
Course Code	Course Name	L-T-P-C	Discipline	Instructor	No. of Student		
IT2001	Data Structure in C (Theory) 02 Batches	3-0-2-4	CSE	SKM (T) +Mr. Aditya Sharma (L)	307	Common	
IT2002	Data Structure in Python	3-0-2-4		Guest Faculty	267	Common for ECE, ME, SM	DS Ch
1 (Discipline Core 1))						
CS2002	Computer Organization and Architecture (02 Batches)	3-0-0-3	CSE	MKB	282	Common for CSE	
EC2002	Digital Electronics and Microprocessor Interfacing	3-0-2-4	ECE	SKJ	136	Common for ECE	
ME2002	Manufacturing Process	3-0-2-4	ME	PT [Lab: AKS+DSR]	128	Common for ME & SM	
2 (Discipline Core 2))						
	Database Management Systems (Theory) 02 Batches	3-0-2-4	CSE	PK	285	Common for CSE	
	Principle of Analog Communications Network Theory (Analysis and Synthesis)	2-0-0-2 2-0-0-2	ECE ECE	AtulK MSP	156 143	Common for ECE Common for ECE	
	Solid Mechanics	2-2-2-4	ME	SDP	63	Common for ME	
	Solid Mechanics + Design of Mechanical Components	3-1-2-4	ME	AM	68	Common for SM	
3 (Discipline Core 3)			cor		200		1
	Introduction to Data Science 02 Batches	3-0-2-4	CSE	KKB+YTD	289	Common for CSE Common for ECE	
	Electronics Devices and Circuits Instrumentation and Measurement	2-0-0-2 2-0-0-2	ECE ECE	MDB TK	145 148	Common for ECE Common for ECE	
	Engineering Thermodynamics	3-2-0-4	ME	TS	66	Common for ME	
	Engineering Thermodynamics + Heat Transfer	3-1-0-4	ME	TC	77	Common for SM	1
	course from below electives)						1
OE2C09	Game Theory	3-0-0-3	CSE	AO	80		1
OE2E01	Sensors and Actuators	3-0-0-3	ECE	KD	43		1
OE2E02	Probability and random Process	3-0-0-3	ECE	SNS	91		1
EC8006	Photovoltaics: Fundamentals and Applications	3-0-0-3	ECE	DPS	97		1
	Design Thinking	2-0-2-3	DS	PT	80		1
	Design Art and Aesthetics	3-0-0-3	DS	VF	101		
	Numerical Methods for Engineers	3-0-0-3	NS	MKP	58		
	Science and culture a comparison	3-0-0-3	English/LA	MA	90		1
	·						
NS2001	Biology for Engineers	2-0-0-2	LA	Guest Faculty	286	For CSE only	
workshop I							
IT2C01	OOPs in Java (05 Batches)	0-0-3-2	CSE	ND	282	Common for CSE	
IT2E01	Matlab and Simulink, Pspice	0-0-3-2	ECE	AV	143	Common for ECE	
IT2M01	SolidWorks	0-0-3-2	ME	DSR	67	Common for ME	
IT2S01	SolidWorks	0-0-3-2	ME	DSR	67	Common for SM	
		B.De	s Semester-III				1
			Offered By				
Course Code	Course Name	L-T-P-C		Instructor	No. of Student		1

DS2005	Studies in Form	2-0-2-3	DS	VF	59	
DS2006	Industrial Design 1	2-0-2-3	DS	VF	59	
DS2007	Communication Design 1	2-0-2-3	DS	TSG	59	
DS2007	Design Project 1	0-0-6-3	DS	VF	59	
DS2010	Material and Processes	2-0-2-3	DS	VF	59	
232010	Waterful and Trocesses	2023	DS	V1	33	
E1 (Choose any or	ne course from below electives)					
OE2C09	Game Theory	3-0-0-3	CSE	AO	80	
OE2E01	Sensors and Actuators	3-0-0-3	ECE	KD	43	
OE2E02	Probability and random Process	3-0-0-3	ECE	SNS	91	
EC8006	Photovoltaics: Fundamentals and Applications	3-0-0-3	ECE	DPS	97	
OE2D11	Design Thinking	2-0-2-3	DS	PT	80	
OE2D15	Design Art and Aesthetics	3-0-0-3	DS	VF	101	
OE2N12	Numerical Methods for Engineers	3-0-0-3	NS	MKP	58	
OE2D14	Science and culture a comparison	3-0-0-3	English/LA	MA	90	
	Year Lon	g Courses (c	common for B.De	s. and B.Tech.)		
PR2002	Discipline Project	0-0-0-2		Guide	605	Specific to Discipline
PC2002	Professional Development Course	1-0-0-1	Placement	COMMON for all students	595	To be given by Placement
		В.Те	ch Semester V			
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Student	
HS3004	Ecology & Environment Science		LA	VF	243	CSE Only
DS3001	Engineering Design –Including Design and Fabrication Project	1-0-6-4		Not Applicable	517	Common for all
C8 (Discipline Core	e 8)					
CS3009	Network Security & Cryptography (02 Batches)	3-0-0-3	CSE	VSR	243	Common for CSE
EC3009	VLSI System Design (VLSI IC desien, logic synthesis using VHDL)	3-0-0-3	ECE	PR	124	Common for ECE
ME3009	Design of Mechanical Components Additive and Subtractive Manufacturing Processes	2-2-0-3 2-0-2-3	ME ME	SM KP	56 47	
SM3009	Additive and Subtractive Mandacturing Processes	2-0-2-3	IVIII	NF	4/	
C9 (Discipline Core	e 9)					
CS3010	Software Engineering (02 Batches)	3-0-0-4	CSE	AG	243	Common for CSE
EC3010	Fundamentals of Electromagnetic Theory	3-0-0-3	ECE	DKV	124	Common for ECE
ME3010	Industrial Internet of Things	2-0-2-3	ME ME	MZA	56	Common for ME
SM3010	Computer Aided Product Development	2-0-2-3	ME	RS	47	

			Discipline			
HS3004	Ecology & Environment Science		LA	VF	243	CSE Only
DS3001	Engineering Design –Including Design and Fabrication Project	1-0-6-4		Not Applicable	517	Common for all
DC8 (Discipline Core	8)					
CS3009	Network Security & Cryptography (02 Batches)	3-0-0-3	CSE	VSR	243	Common for CSE
EC3009	VLSI System Design (VLSI IC desien, logic synthesis using VHDL)	3-0-0-3	ECE	PR	124	Common for ECE
ME3009	Design of Mechanical Components	2-2-0-3	ME	SM	56	
SM3009	Additive and Subtractive Manufacturing Processes	2-0-2-3	ME	KP	47	
DC9 (Discipline Core						
CS3010	Software Engineering (02 Batches)	3-0-0-4	CSE	AG	243	Common for CSE
EC3010	Fundamentals of Electromagnetic Theory	3-0-0-3	ECE	DKV	124	Common for ECE
ME3010	Industrial Internet of Things	2-0-2-3	ME	MZA	56	Common for ME
SM3010	Computer Aided Product Development	2-0-2-3	ME	RS	47	
DC10 (Discipline Cor						
CS3011	Artificial Intelligence (02 Batches)	3-0-0-3	CSE	DS	243	Common for CSE
EC3011	Digital Communications	3-0-0-3	ECE	MDB	124	Common for ECE
ME3011	Heat Transfer	3-0-2-4	ME	TC	56	Common for ME
SM3011	Industrial Automation	2-0-2-3	SM	TS	47	
DC11 (Discipline Cor	re 11)					
SM3012	Advanced Cyber Physical System	2-0-2-3	ME	SA	47	
OE3 (Choose any one	e course from below elective)					
OE2C11	Principles of Programming Languages	3-0-0-3	CSE	AS*	92	
	VLSI Design Modeling	3-0-0-3	ECE	PS	32	
OE3E25						
OE3E40	Computation Genomic & Proteomic	3-0-0-3	ECE	SNS	58	
OE3D15	Applied Ergonomics	3-0-0-3	DS	PM	60	
OE3D16	Visual Ergonomics	3-0-0-3	DS	PM	63	
OE3D25	Lighting Design	3-0-0-3	DS	AB	90	
OE3D26	New Media Art	3-0-0-3	DS	VF	90	
OE3N32	Material Sciences	3-0-0-3	NS	AKK	44	
IT workshop III						
IT3C01	Computer Network Lab (05 Batches)	0-0-3-2	CSE	MS	244	
IT3E01	Tanner Tool (Tspice), VHDL and Verilog	0-0-3-2	ECE	KD	124	
IT3M01	CATIA and Power Mill	0-0-3-2	ME	AKS	57	
IT3S01	CATIA and Power Mill	0-0-3-2	ME	AKS	47	
		B.D	es Semester-V			
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Student	
DS3001	Engineering Design –Including Design and Fabrication Project	1-0-6-4	Not Applicable	NA	516	
DS3009	Service Design	2-0-2-3	DS	VF	46	
DS3010	Sustainable Design	2-0-2-3	DS	VF	46	
DS3011	Design Management	2-0-2-3	DS	VF	46	
	e course from below elective)					
OE2C11	Principles of Programming Languages	3-0-0-3	CSE	AS*	92	
OE3E25	VLSI Design Modeling	3-0-0-3	ECE	PS	32	
OE3E40	Computation Genomic & Proteomic	3-0-0-3	ECE	SNS	58	
OE3D15	Applied Ergonomics	3-0-0-3	DS	PM	60	
OE3D16	Visual Ergonomics	3-0-0-3	DS	PM	63	
OE3D25	Lighting Design	3-0-0-3	DS	AB	90	
OE3D26 OE3N32	New Media Art Material Sciences	3-0-0-3 3-0-0-3	DS NS	VF AKK	90 44	
DS3012	Design Project 4 (compulsory)	0-0-6-3	DS	GUIDE	46	

Year Long Courses (Commonfor B.Des. and B.Tech.)

PR3003	Optional Project	0-0-0-2			517 C	ptional specific to discipline
PC3003	Professional Development Course	1-0-0-1	Placement		517	Common for all
		B.Tec	h Semester VII			
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Student	
ES1003	Innovation Theory and Practice	1-0-2-2	IA	Guest Faculty	512	To be checked with IIC & PC
E07 (Choose any o	ne course from below elective)					
CS8016	Cloud Computing	3-0-0-3	CSE	MS	120+14	
OE3C28	Cyber Security	2-0-2-3	CSE	ND	75	
EC8033	Radio Frequency Integrated Circuits Design	3-0-0-3	ECE	MSP	36	
OE4E69	Optical Communication	3-0-0-3	ECE	DKV	17	
ME8021	Advanced Mechanics of Solids	3-0-0-3	ME	VKG	2+2	
OE4M41	Micro and Nano Manufacturing	3-0-0-3	ME	KP	63	
OE4L73	Life Skills Management	3-0-0-3	English/LA	JAMF	91	
DE08 (Choose any o	ne course from below elective)					
CS8018	Web Mining	3-0-0-3	CSE	ACP	120+14	
CS8018	Mobile and Wireless Networks	3-0-0-3	ECE	RKJ	108	
OE4E71	Satelite communication	3-0-0-3	ECE	AtulK	89	
ME5D02	Mechanical Vibration and Condition Monitoring	3-0-0-3	ME	SDP	26	
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	50	
MT5004	Microcontroller+PLC	2-0-2-3	ME ME	VKG+TS	5+1	
		2023		VII.O. IS	3.1	
	ne course from below elective)					
CS8025	Fuzzy Sets, Logic and Applications	3-0-0-3	CSE	AS	120+2	
EC8004	Pattern Recognition and Machine Learning	3-0-0-3	ECE	AV	84	
ME8003	Sensors and Actuators	2-0-2-3	ME	MS	64	
ME8002	Design of Experiments	3-0-0-3	ME	AM	14+8	
OE4N77	Optimization Theory and Applications	3-0-0-4	NS	DM	74	
DE10 (Choose any o	ne course from below elective)					
CS8007	Social Network Analysis	2-0-2-3	CSE	ACP	118+16	
EC8030	CMOS Memory Design	3-0-0-3	ECE	PR	81	
OE4M52	Rapid Product Development Technologies	3-0-0-3	ME	MS	84+1	
ME8016	Biomaterials Science and Engineering	3-0-0-3	ME	HSN	88	
DS5004	Product Design-I	2-0-2-3	DS	PT	6+21	
DE11 (Choose any o	ne course from below elective)					
CS8004	Deep Learning and Applications	2-0-2-3	CSE	AO	56+15	
EC8017	Internet of Things	3-0-0-3	ECE	RKJ	90	
EC8032	Numerical Techniques in Electromagnetics	3-0-0-3	ECE	BM	52	
OE4M74	Al and ML in Mechanical Engineering	2-0-2-3	ME	VKG/JKT	13+6	
OE4M22	Industrial Instrumentation and Metrology	3-0-0-3	ME	CD	30+1	
OE4L02	Japanese Language Course	3-0-0-3	LA	Guest Faculty	44	
		B.De	s Semester-VII			
Course Code	Course Name	Credit	Offered By Discipline	Instructor	No. of Student	
DS4013	Design Seminar I	3	DS	Guide	54	
DS4014	Design Thesis II	14	DS	Guide	54	
	Year	Long Courses (C	ommon for B.Des. c	ınd B.Tech.)		
PC4004	Professional Development Course	1-0-0-1	Placement			Common for all

DC	Discipline Core (All students of that discipline should register for the cours						
	Those who have already done the course can not take the course						
The Senate has decided a batch size							
Туре	Batch Size (no. of Maximum students)						
Theory	125						
Lab (experimental)	30						
Lab (simulations)	60						

Accordingly the number of batches and instructors to be decided.

Note: This is a final list of courses, however slight changes are possible. For your kind information.

	Offer by CSE Discipline	120
	Offer by ECE Discipline	90
Elective Course Limit	Offer by ME Discipline	90
	Offer by SM Discipline	90
	Offer by DS Discipline	90