PG Courses

ECE

Semister-I
Communication System Design

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
EC5M01	Advanced Communication Engineering	3-0-0-3	ECE	MDB	
EC5M02	Computational Electromagnetics	3-0-0-3	ECE	DKV	
EC5M03	RF and Microwave Circuits Design	3-0-2-4	ECE	MP	
OE1 (Choose any one course from below electives)					
EC5012	Advanced Signal Processing	3-0-0-3	ECE	AK	
EC8002	Advanced Engineering Electromagnetics	3-0-0-3	ECE	DKV	
EC5002	Electromagnetics Interference and Compatibility	3-0-0-3	ECE	RP	1
EC8004	Pattern recognition and Machine learning	3-0-0-3	ECE	AV	

Power and Control

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
EC5P01	Special topics in Control system	2-0-0-2	ECE	PKP	
EC5P02	Special topics in Power Engineering	2-0-0-2	ECE	SKJ	
EC5P03	Power Electronics and Drives	3-0-0-3	ECE	SKJ	
MT504a	Microcontroller	1-0-2-2	MT	VKG	
MT504b	PLC	1-0-2-2	MT	TS	
OE1 (Choose any one course from below electives)					
EC8001	Advanced Time frequency Analysis	3-0-0-3	ECE	VB	
EC8004	Pattern recognition and Machine learning	3-0-0-3	ECE	AV	
EC8017	Internet of Things	3-0-0-3	ECE	RKJ	

Nanoelectronics and VLSI Design

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
EC5N01	Physics of Semiconductor Devices	3-0-0-3	ECE	PNK	7
EC5N02	Digital VLSI Design	3-0-0-3	ECE	PS	7
EC5N03	Device Fabrication Technology	3-0-2-4	ECE	DPS	7
OE1 (Choose any one course from below electives)					
EC5004	CMOS Memory Design	3-0-0-3	ECE	PR	5
EC8005	Advanced Semiconductor Devices	3-0-0-3	ECE	NB	52
EC8017	Internet of Things	3-0-0-3	ECE	RKJ	63

CSE [AI and ML & Data Science]
Semester-I

Course Code	Course Name	Credits:	Offered By Discipline	Instuctor	No. of Students
(Choose any 4 course from below electives)					
CS8001	Introduction to Blockchain Technology	2-0-2-3	CSE	AO	36
CS8002	Multimedia Processing	3-0-0-3	CSE	PK	28
CS8003	Data Clustering	3-0-0-3	CSE	SKM	56
CS8004	Deep Learning and Applications	2-0-2-3	CSE	AO	31
CS8005	Research Method in Computer Science	3-0-0-3	CSE	AG	65
CS8006	Internet of Things	3-0-0-3	CSE	ND	61
CS8016	Cloud Computing	3-0-0-3	CSE	MunishS	15

ME
Semester-I

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
		CAD/CAM			
ME5001	Analytical Methods in Engineering	3-0-0-3	ME	SM	
ME8012	Computer Aided Geometric Design	3-0-0-3	ME	PKJ	
OE1 (Choose any Two course from below electives)					
ME8002	Design for Experimentation	3-0-0-3	ME	SA	
ME8003	Sensors and Actuators	3-0-0-3	ME	MZA	
ME8012	Computer Aided Geometric Design	3-0-0-3	ME	PKJ	
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	
ME5022	Industrial Instrumentation & Metrology	3-0-0-3	ME	CD	

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME5005	Near Net Shape Manufacturing	3-0-0-3	ME	KP	
ME5019	Mechanical Vibration and Condition Monitoring	3-0-0-3	ME	VKG	
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	
ME5021	Simulation of Manufacturing Systems	3-0-0-3	ME	CD	
ME5022	Industrial Instrumentation & Metrology	3-0-0-3	ME	CD	
ME5023	Materials and Processes in Design	3-0-0-3	ME	KP	
ME5024	Micro and Nano Manufacturing	3-0-0-3	ME	HS	
ME5025	Thermal Aspects in Manufacturing	3-0-0-3	ME	HS	
ME5026	Additive Manufacturing in Medical Applications	3-0-0-3	ME	HSN	
ME5D03	Finite Element Method for Mechanical Engineers	3-0-0-3	ME	SDP	
ME5C2L	PG IT Workshop I	0-0-2-2	ME	DSR	

Design

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME5001	Analytical Methods in Engineering	3-0-0-3	ME	SM	9
ME5D01	Advanced Mechanics of Solid	3-0-0-3	ME	SDP	6
ME5019	Mechanical Vibrations and Condition Monitoring	3-0-2-4	ME	VKG	7

OE1 (Choose any one course from below electives)

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME8002	Design for Experimentation	3-0-0-3	ME	SA	11
ME8003	Sensors and Actuators	3-0-0-3	ME	MZA	59
ME8012	Computer Aided Geometric Design	3-0-0-3	ME	PKJ	6
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	58
ME5022	Industrial Instrumentation & Metrology	3-0-0-3	ME	CD	61
ME5D3L	PG IT Workshop II	0-0-2-2	ME	DSR	7

Manufacturing

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME5001	Analytical Methods in Engineering	3-0-0-3	ME	SM	
ME5M01	Manufacturing Science	3-0-0-3	ME	HS	

OE1 (Choose any Two course from below electives)

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME8002	Design for Experimentation	3-0-0-3	ME	SA	
ME8003	Sensors and Actuators	3-0-0-3	ME	MZA	
ME8012	Computer Aided Geometric Design	3-0-0-3	ME	PKJ	
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	
ME5022	Industrial Instrumentation & Metrology	3-0-0-3	ME	CD	
ME5005	Near Net Shape Manufacturing	3-0-0-3	ME	KP	
ME5019	Mechanical Vibration and Condition Monitoring	3-0-0-3	ME	VKG	
ME5020	Advanced Manufacturing Processes and Technologies	3-0-0-3	ME	RS	
ME5021	Simulation of Manufacturing Systems	3-0-0-3	ME	CD	
ME5022	Industrial Instrumentation & Metrology	3-0-0-3	ME	CD	
ME5023	Materials and Processes in Design	3-0-0-3	ME	KP	
ME5024	Micro and Nano Manufacturing	3-0-0-3	ME	HS	
ME5025	Thermal Aspects in Manufacturing	3-0-0-3	ME	HS	
ME5026	Additive Manufacturing in Medical Applications	3-0-0-3	ME	HSN	
ME5D03	Finite Element Method for Mechanical Engineers	3-0-0-3	ME	SDP	
ME5M2L	PG IT Workshop III	0-0-2-2	ME	DSR	

Mechatronics
Semester-I

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
ME5001	Analytical Methods in Engineering	3-0-0-3	ME	SM	9
MT5001 OR	CONCEPTS IN MECHANICAL ENGINEERING	3-0-0-3	MT	SM	2
MT5002	Concepts in Electronic Device	3-0-0-3	ECE	DPS	2
ME8003	Sensors and Actuators	2-0-2-3	ME	MZA	59

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
MT504a	Microcontroller	1-0-2-2	MT	VKG	3
MT504b	PLC	1-0-2-2	MT	TS	3

Master of Design

Semester I

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
DS5001 or	Elements and Principles of design	2-0-2-3	DS	AB	19
DS5002	Art & Aesthetics in Design	2-0-2-3	DS	VF	7
DS5003	Ergonomics for Industrial Design	2-0-2-3	DS	SP	26
DS5004	Product Design-I	2-0-2-3	DS	VF	26
DS5005	Visual Design I	2-0-2-3	DS	TS	26
DS5006	Design Workshop-I	2-0-2-3	DS	VF	26
PC1001	Professional Development Course	1-0-0-1	Placement	Placement	26

Semester III

Course Code	Course Name	L-T-P-C	Offered By Discipline	Instuctor	No. of Students
DS5007	Design Project (Technically Complex project of System)	0-0-16-8	DS	Guide	20
	Choose any two Elective from below course				
DS5008	Culture and Design	2-0-2-3	DS	VF	10
DS5009	Product Detailing	2-0-2-3	DS	VF	5
DS5010	Video and Animation Design	2-0-2-3	DS	VF	6
DS5011 OR	Applied Ergonomics	2-0-2-3	DS	PM	42
DS5012	Visual Ergonomics	2-0-2-3	DS	PM	17
DS5013	Sustainable Design	2-0-2-3	DS	VF	8
DS5014	Design Styling and Trend Forecast	2-0-2-3	DS	VF	11
EMF's (Any two of the following six EMF's)					
EM5D01	Medical Equipment Design	1	DS	VF	6
EM5D03	Photography	1	DS	VF	6
EM5D04	Information Design	1	DS	VF	10
EM5D05	Packaging and Branding	1	DS	VF	18
DS5096	Summer Internship (compulsory)	2	DS	Industry	20