

Details of Courses for Semester-II, 2023-24 (PG)

ECE						
Micro and Nenelectronics						
Semester-II						
Course Code	Course Name	Credits	Offered By Discipline	Instructor	No. of Students	
EC5N04	Analog IC Design	3-0-2-4	ECE	PNK	3	
OE2 (Choose any one course from below electives)						
EC5009	Nano Scale Integrated Computing	3-0-0-3	ECE	DPS	3	
OE3 (Choose any one course from below electives)						
EC5010	Low power VLSI Design	3-0-0-3	ECE	PR	3	
OE4 (Choose any one course from below electives)						
EC5011	Advanced semiconductor devices	3-0-0-3	ECE	KD	3	
OE1 (Choose any one course from below electives)						
EC5003	VLSI DEVICE and Modeling	3-0-0-3	ECE	KD	3	
PC5001	Professional Development Course	1	Placement			
Semester-IV						
EC598	Graduate Seminar I	2	ECE			
EC699	Thesis Credit	12	ECE	GUIDE		
CSE						
Semester-II						
Course Code	Course Name	Credits	Offered By Discipline	Instructor	No. of Students	
OE (Choose any 4 course from below electives)						
Elective Group-1 (choose any one)						
CS8011	Machine Learning	3-0-0-3	CSE	AS		
OE2C10	Graph Theory	3-0-0-3	CSE	DS		
Elective Group-2 (choose any one)						
CS8009	Image Processing	3-0-0-3	CSE	PK		
CS8010	Digital watermarking	3-0-0-3	CSE	DS		
Elective Group-3 (choose any one)						
CS8020	Next Generation Networks	3-0-0-3	CSE	ND		
CS8012	Compiler Design	3-0-0-3	CSE	SKM		
Elective Group-4 (choose any one)						
CS8027	Distributed Systems	3-0-0-3	CSE	ND		
CS8026	Natural Language Processing	3-0-0-3	CSE	AG		
OE4C18	Clustering	3-0-0-3	CSE	SKM		
Elective Group-5 (choose any one)						
CS8015	Computer Vision with Deep Learning	3-0-0-3	CSE	PK		
CS8030	Blockchain Technology and Applications	2-0-2-3	CSE	AO		
PC5001	Professional Development Course	1	Placement			
Semester-IV						
CS598	Graduate Seminar I	2	CSE			
CS699	M.Tech Thesis	12	CSE			

ME						
Semester-II						
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students	
Design						
ME8001	Research Methodology	3-0-0-3	ME			
ME5D03	Finite Element Methods for Mechanical Engineering	3-0-0-3	ME			

OE1 (Choose any one course from below elective)				
ME8011	Mechanic of Composite Materials and Applications	3-0-0-3	ME	SDP
ME8016	NC-CNC Machine Tools and Programming	3-0-0-3	ME	PKJ
ME8023	Computer Aided Manufacturing	3-0-0-3	ME	MS
OE2 (Choose any one course from below elective)				
ME8022	Additive Manufacturing for Medical Applications	3-0-0-3	ME	PKJ
ME8007	Smart Materials and Structures	3-0-0-3	ME	SM
ME8024	Hybrid Energy Systems	3-0-0-3	ME	TC
ME5D6L	PG IT Workshop II	0-0-2-2	ME	
PC5001	Professional Development Course	1	Placement	
Semester-IV				
ME598	Graduate Seminar I	2	ME	
ME699	M.Tech Thesis	12	ME	

Mechatronics Semester-II					
<u>Course Code</u>	<u>Course Name</u>	<u>L-T-P-C</u>	<u>Offered By Discipline</u>	<u>Instructor</u>	<u>No. of Students</u>
ME8001	Research Methodology Mini Project	3-0-0-3	ME		
OE1 (Choose any one course from below elective)					
ME8011	Mechanic of Composite Materials and Applications	3-0-0-3	ME	SDP	
ME8016	NC-CNC Machine Tools and Programming	3-0-0-3	ME	PKJ	
OE2 (Choose any one course from below elective)					
ME8022	Additive Manufacturing for Medical Applications	3-0-0-3	ME	PKJ	
ME8007	Smart Materials and Structures	3-0-0-3	ME	SM	
OE3 (Choose any one course from below elective)					
ME8017	Electric Vehicle and Mobility	3-0-0-3	ME	TS/TC	
PC5001	Professional Development Course	1	Placement		
Semester-IV					
MT598	Graduate Seminar I	2	MT		
MT699	M.Tech Thesis	12	MT	GUIDE	

Master of Design Semester II					
<u>Course Code</u>	<u>Course Name</u>	<u>L-T-P-C</u>	<u>Offered By Discipline</u>	<u>Instructor</u>	<u>No. of Students</u>
DS5015	Design and Technology	3-0-0-3	DS	AB	
OR					
DS5016	Material and Process in Design	3-0-0-3	DS	PT	
DS5021	Product Design II	3-0-0-3	DS	VF	
OR					
DS5017	Visual Design II	3-0-0-3	DS	TS	
DS5022	Design Thinking	3-0-0-3	DS	SP	
OR					
DS5018	Strategic Design Management	3-0-0-3	DS	VF	
DS5019	Interactive Design	3-0-0-3	DS	VF	
DS5020	Design Workshop II	3-0-0-3	DS	VF	

DS5098	Seminar I	2	DS	GUIDE
PC5001	Professional Development Course	1	Placement	
<u>Semester IV</u>				
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor No. of Students
DS599	Graduate Seminar I	2	DS	GUIDE
DS699	M.Des Thesis	12	DS	GUIDE