

Name of the Academic Department / Center: Mechanical Engineering									
Academic Year	2021- 2022								
Session:	Winter Semester (Jan-Apr 2022)								
Sl. No.	Course No.	Course Title	L	T	P	C	Type of Course (Compulsory / Open Elective/ Dept. Elective)	Offered to Whom (Program & Semester)	Name(s) of Course Instructor(s)
1	ME 101	Engineering Mechanics (Sec-A)	3	1	0	8	Compulsory	UG- II	SKD
2	ME 101	Engineering Mechanics (Sec-B)	3	1	0	8	Compulsory	UG- II	PB
3	ME 101	Engineering Mechanics (Sec-C)	3	1	0	8	Compulsory	UG- II	AN
4	ME 101	Engineering Mechanics Tutor					Compulsory	UG- II	USD, PK, DNB, BK,SSG,AB,SB,DS,SAT,KK,NS,TKM,SM,R T
5	ME 110	Workshop – I	0	0	3	3	Compulsory	UG- II	RGN,SK© ,TKM,MD,UKS
6	ME 221	Fluid Mechanics – I I (Div-1)	3	0	0	6	Compulsory	UG-IV	AD
7	ME 221	Fluid Mechanics – II (Div-2)	3	0	0	6	Compulsory	UG-IV	AS
8	ME 222	Manufacturing Technology – I (Div-1)	3	0	0	6	Compulsory	UG-IV	SSV
9	ME 222	Manufacturing Technology – I (Div-2)	3	0	0	6	Compulsory	UG-IV	PSR
10	ME 223	Solid Mechanics – II (Div-1)	3	0	0	6	Compulsory	UG-IV	USD
11	ME 223	Solid Mechanics – II (Div-2)	3	0	0	6	Compulsory	UG-IV	NM
12	ME 224	Kinematics of Machinery (Div-1)	2	1	0	6	Compulsory	UG-IV	SKP
13	ME 224	Kinematics of Machinery (Div-2)	2	1	0	6	Compulsory	UG-IV	BSR
14	ME 225	Mechanical Workshop – II (Div-1)	0	0	6	6	Compulsory	UG-IV	SAT
15	ME 225	Mechanical Workshop – II (Div-2)	0	0	6	6	Compulsory	UG-IV	BP
16	ME 226	Mechanical Engineering Lab – II (Div-1) (Kinematics, Data Acquisition, Turbomachinery)	0	0	3	3	Compulsory	UG-IV	BSR (K)© , AS(T),DB(D)
17	ME 226	Mechanical Engineering Lab – II (Div-2)	0	0	3	3	Compulsory	UG-IV	AKD(T),KK(D), SMH(K)
18	ME 321	Applied Thermodynamics (Div-1)	3	0	0	6	Compulsory	UG-VI	NS
19	ME 321	Applied Thermodynamics (Div-2)	3	0	0	6	Compulsory	UG-VI	PRM
20	ME 322	Machine Design (Div I)	2	0	2	6	Compulsory	UG-VI	SKK
21	ME 322	Machine Design (Div II)	2	0	2	6	Compulsory	UG-VI	PK
22	ME 323	Mechanical Measurements (Div I)	3	0	0	6	Compulsory	UG-VI	DB

23	ME 323	Mechanical Measurements (Div II)	3	0	0	6	Compulsory	UG-VI	BP
24	ME 324	Industrial Engineering and Operations Reseach.	3	0	0	6	Compulsory	UG-VI	DS
25	ME 324	Industrial Engineering and Operations Researc	3	0	0	6	Compulsory	UG-VI	MD
26	ME 325	Control Systems (Div I)	3	0	0	6	Compulsory	UG-VI	KK
27	ME 325	Control Systems (Div II)	3	0	0	6	Compulsory	UG-VI	SP
28	ME 326	Mechanical Engineering Lab – IV (Tribology, Thermal Science, Instrumentation and Control)	0	0	3	3	Compulsory	UG-VI	SNJ(I&C)©,AD(Th),NM (Tr),IPDF(IC)
29	ME 326	Mechanical Engineering Lab – IV	0	0	3	3	Compulsory	UG-VI	PRM(I&C),IPDF(IC),MP(Th),SSV(Tr)
30	ME202M	Mechatronics	2	0	2	6	Minor	UG-IV	SMH
31	ME302M	Fundamentals of Artificial Intelligence	2	0	2	6	Minor	UG-VI	SNJ
32	ME399	BTP Phase II	0	0	3	3	Compulsory	UG-VI	PK
33	ME499	BTP Phase IV	0	0	12	12	Compulsory	UG-VIII	AD
34	ME 511	Engineering Materials and Characterization	3	0	0	6	Compulsory	PG	PKH
35	ME 513	Physics of Deformation Processes	3	0	0	6	Compulsory	PG	RGN
36	ME 515	Manufacturing Laboratory	0	0	6	6	Compulsory	PG	SKP
37	ME 522	Convective Heat Transfer	3	0	0	6	Compulsory	PG	AMD
38	ME 541	Continuum Mechanics	3	0	0	6	Compulsory	PG	SSG
39	ME 542	Numerical Analysis	2	0	2	6	Compulsory	PG	AB
40	ME 544	Computational Mechanics Laboratory	0	0	2	2	Compulsory	PG	GM
41	ME 552	Aircraft Propulsion	3	0	0	6	Compulsory	PG	VK
42	ME 553	Gas Dynamics	3	0	0	6	Compulsory	PG	BK
43	ME 554	Rocket Propulsion	3	0	0	6	Compulsory	PG	UKS
44	ME 505	MTP Phase II	0	0	24	24	Compulsory	PG	KK
		ELECTIVES							
42	ME 605	Fracture, Fatigue and Failure Analysis	3	0	0	6	ELECTIVE		KSRKM
43	ME 607	Introduction to Composite Materials	3	0	0	6	ELECTIVE		DC
44	ME 612	Nuclear Energy: Concepts and Applications	3	0	0	6	ELECTIVE		DNB
45	ME 615	Rotor Dynamics	3	0	0	6	ELECTIVE		RT
46	ME 619	Fundamentals of Microfluidics	3	0	0	6	ELECTIVE		SM
47	ME 621	Refrigeration and Air-conditioning	3	0	0	6	ELECTIVE		PMK

48	ME 628	Additive Manufacturing	2	0	2	6	ELECTIVE		SB
49	ME 648	Viscous Fluid Flow	3	0	0	6	ELECTIVE		AKD
50	ME657	Two Phase Flow and Heat Transfer	3	0	0	6	ELECTIVE		MP
51	ME 670	Advanced Computational Fluid Dynamics	3	0	0	6	ELECTIVE		GM
52	ME 674	Soft Computing in Engineering	3	0	0	6	ELECTIVE		SUP
53	ME 683	Computational Gas Dynamics	3	0	0	6	ELECTIVE		TKM
54	ME 688	Advanced machining processes	3	0	0	6	ELECTIVE		RKM
55	ME 668	Sports Biomechanics	2	0	2	6	ELECTIVE		SK
	AMD	Amaresh Dalal					KSRKM	K S R Krishna Murthy	
	AB	Atanu Banerjee					MD	Manas Das	
	AD	Arnab K De					MP	Manmohan Pandey	
	AKD	Anoop K Dass					NM	Nelson Muthu	
	AN	Arup Nandy					NS	Niranjan Sahoo	
	AS	Atul K. Soti					PB	Pankaj Biswas	
	BK	Bhaskar Kumar					PK	Punam Kumari	
	BP	Biranchi Panda					PKH	Prasenjit Khanikar	
	BSR	B Sandeep Reddy					PMK	P Muthukumar	
	DB	D Bandopadhyaya					PRM	Pranab Kumar Mondal	
	DC	D. Chakraborty					PSR	P S Robi	
	DNB	Dipankar N Basu					RGN	R Ganesh Narayanan	
	DS	Deepak Sharma					RKM	Rinku Mittal	
	GM	G Madhusudana					RT	R Tiwari	
	KK	Karuna Kalita					SAT	Satish Panda	
							SB	Swarup Bag	