

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) of Jan-May 2024	Course Co-ordinator	Exam Slots	Class Slots
1	ME 101	Engineering Mechanics (Sec-A)	3	1	0	8	Compulsory	UG- II	AN	AB	A1	A, A1
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	AB			
4	ME 101	Engineering Mechanics Tutor					Compulsory	UG- II	RKM,PK,KK,SMH,NS,SB,BSR, VKB,PKH,UKK,MP,VK,SP,TKM			Mon 7:55 to 8:50
5	ME 110	Workshop – I	0	0	3	3	Compulsory	UG- II	DC,SK,USD, PSR,GM	SK		
6	ME 221	Fluid Mechanics – I (Div-1)	3	0	0	6	Compulsory	UG-IV	DNB	DNB	A	
7	ME 221	Fluid Mechanics – II (Div-2)	3	0	0	6	Compulsory	UG-IV				
8	ME 222	Manufacturing Technology – I (Div-1)	3	0	0	6	Compulsory	UG-IV	SB	SB	B	
9	ME 222	Manufacturing Technology – I (Div-2)	3	0	0	6	Compulsory	UG-IV	PKH			
10	ME 223	Solid Mechanics – II (Div-1)	3	0	0	6	Compulsory	UG-IV	TDP	TDP	C	
11	ME 223	Solid Mechanics – II (Div-2)	3	0	0	6	Compulsory	UG-IV				
12	ME 224	Kinematics of Machinery (Div-1)	2	1	0	6	Compulsory	UG-IV	SKP	SKP	D	
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	RGN	RGN		M, W 2-5
15	ME 225	Mechanical Workshop – II (Div-2)	0	0	6	6	Compulsory	UG-IV	AKD			
16	ME 226	Mechanical Engineering Lab – II (Div-1) (Kinematics, Data Acquisition, Turbomachinery)	0	0	3	3	Compulsory	UG-IV	SKD(K),AS(T),RT(D)	AS		Th 2-5
17	ME 226	Mechanical Engineering Lab – II (Div-2)	0	0	3	3	Compulsory	UG-IV	SSG(K),UKS(T),SUP(D)			
18	ME 321	Applied Thermodynamics (Div-1)	3	0	0	6	Compulsory	UG-VI	NS	TKM	A1	
19	ME 321	Applied Thermodynamics (Div-2)	3	0	0	6	Compulsory	UG-VI	TKM			
20	ME 322	Machine Design (Div I)	2	0	2	6	Compulsory	UG-VI	SKK	PK	B1	
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	BP	BP	C1	
23	ME 323	Mechanical Measurements (Div II)	3	0	0	6	Compulsory	UG-VI				
24	ME 324	Industrial Engineering and Operations Research.	3	0	0	6	Compulsory	UG-VI	MD	MD	D1	
25	ME 324	Industrial Engineering and Operations Research	3	0	0	6	Compulsory	UG-VI				
26	ME 325	Control Systems (Div I)	3	0	0	6	Compulsory	UG-VI	KK	SP	E1	
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	SKK(Tr),AD(Th), IPDF(IC), DS(I)	SSV		F 9-12
29	ME 326	Mechanical Engineering Lab – IV	0	0	3	3	Compulsory	UG-VI	SSV©(Tr),AMD(Th),SNU(I), IPDF-(IC)			
30	ME202M	Thermodynamics	3	0	0	6	Minor	UG-IV	GM		F	
31	ME302M	Fundamentals of Artificial Intelligence	2	0	2	6	Minor	UG-VI	SNJ		G1	
32	ME399	BTP Phase II	0	0	3	3	Compulsory	UG-VI	MD			
33	ME499	BTP Phase IV	0	0	12	12	Compulsory	UG-VIII	MD			
34	ME503	Technical Writing	1	0	2	4	Compulsory	PG	PSR		F1	F3-4, W3-5
35	ME 511	Engineering Materials and Characterization	3	0	0	6	Compulsory	PG	SUP		D	
36	ME 513	Physics of Deformation Processes	3	0	0	6	Compulsory	PG	RGN		E	E + F2-3
37	ME 515	Manufacturing Laboratory	0	0	6	6	Compulsory	PG	SKP, IPDF			Tu 3-6, Th 2-5

38	ME 522	Convective Heat Transfer	3	0	0	6	Compulsory	PG	AD	G	M2-3, Tu11-12, W12-1	
39	ME 541	Continuum Mechanics	3	0	0	6	Compulsory	PG	SSG	C		
40	ME 542	Numerical Analysis	2	0	2	6	Compulsory	PG	DS	A	A	
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41	ME 544	Computational Mechanics Laboratory	0	0	2	2	Compulsory	PG	BK	BK		M4-6
42	ME 552	Aircraft Propulsion	3	0	0	6	Compulsory	PG	NS & TKM		C	
43	ME 553	Gas Dynamics	3	0	0	6	Compulsory	PG	BK		E	E + F2-3
44	ME 554	Rocket Propulsion	3	0	0	6	Compulsory	PG	UKS		G	M2-3, Tu11-12, W12-1
45	ME 505	MTP Phase II	0	0	24	24	Compulsory	PG	KK			
		<b>ELECTIVES</b>										
46	ME 605	Fracture, Fatigue and Failure Analysis	3	0	0	6	ELECTIVE		KSRKM		G	M2-3, Tu11-12, W12-1
47	ME 607	Introduction to Composite Materials	3	0	0	6	ELECTIVE		DC		D	
48	ME 609	Optimization Methods in Engineering	3	0	0	6	OPEN ELECTIVE		USD		F	
49	ME 613	Nonlinear Vibrations	3	0	0	6	OPEN ELECTIVE		SKD		B	
50	ME 615	Rotor Dynamics	3	0	0	6	ELECTIVE		RT		C1	
51	ME 617	Manufacturing of Polymers and Polymer Composite	3	0	0	6	ELECTIVE		UKK		C1	
52	ME 619	Fundamentals of Microfluidics	3	0	0	6	ELECTIVE		AMD		D	
53	ME 620	Fundamentals of Artificial Intelligence	3	0	0	6	OPEN ELECTIVE		SMH		B	
54	ME 622	Fundamentals of Fusion Energy Generation and Tokamaks	3	0	0	6	ELECTIVE		VKB		E	E + F2-3
55	ME 623	Dynamics of Machining Processes	3	0	0	6	ELECTIVE		RKM		A	A
56	ME 648	Viscous Fluid Flow	3	0	0	6	ELECTIVE		AKD		D	
57	ME657	Two Phase Flow and Heat Transfer	3	0	0	6	ELECTIVE		MP		A	A
58	ME 670	Advanced Computational Fluid Dynamics	3	0	0	6	ELECTIVE		AS		C1	
59	ME 692	Gear Engineering	3	0	0	6	ELECTIVE		SSV		C	
60	ME696	Biomedical Devices and Systems	3	0	0	6	ELECTIVE		SK		F	
	AMD	Amaresh Dalal					KSRKM	K S R Krishna Murthy			SKD	S K Dwivedy
	AB	Atanu Banerjee					MD	Manas Das			SKK	S K Kakoty
	AD	Arnab K De					MP	Manmohan Pandey			SNJ	Shrikrishna N Joshi
	AKD	Anoop K Dass					NS	Niranjan Sahoo			SP	Satyajit Panda
	AN	Arup Nandy					PB	Pankaj Biswas			SSG	Sachin S Gautam
	AS	Atul K. Soti					PK	Punam Kumari			SMH	Shyamanta M. Hazarika
	BK	Bhaskar Kumar					PKH	Prasenjit Khanikar			SKP	Sajan Kapil
	BP	Biranchi Panda					PRM	Pranab Kumar Mondal			SSV	S Senthilvelan
	BSR	B Sandeep Reddy					PSR	P S Robi			SUP	Sukhomay Pal
	DB	D Bandopadhyaya					RGN	R Ganesh Narayanan			TDP	Tarkes Dora Pallicity

	DC	D. Chakraborty					RKM	Rinku Mittal			TKM	Tapan K. Mankodi
	DNB	Dipankar N Basu					RT	R Tiwari			UKK	Ujendra Kumar Komal
	DS	Deepak Sharma					SB	Swarup Bag			UKS	U K Saha
	GM	G Madhusudana					SK	S Kanagaraj			USD	U S Dixit
	KK	Karuna Kalita									VKB	Vinodh Kumar Bandaru

## Facultywise\_Slot

Faculty	Class Slot		
AMD	D	Tu 10-1	
AB	A	A1	
AD	M2-3, Tu11-12, W12-1	F9-12	
AKD	D	Tu, Th 2-5	
AN	A	A1	
AS	C1	Th 2-5	
BK	E+F2-3	M4-6	
BP	C1		
BSR	D	M8-9	
<b>DB</b>			
DC	D	Tu 2-5	
DNB	A		
DS	A + (Th 10-11)	F9-12	
GM	F	F 2-5	
KK	E1	M8-9	
KSRKM	M2-3, Tu11-12, W12-1		
MD	D1		
MP	<b>A</b>	M8-9	
NS	A1	C	M8-9
PB	A	A1	
PK	B1 +(M 5-6)	M8-9	
PKH	B	M8-9	
<b>PRM</b>			
PSR	M2-5	F3-4, W3-5	
RKM	A	M8-9	
RGN	E+F2-3	M, W 2-5	
RT	C1	Th 2-5	
SB	B	M8-9	
SK	F	Th 2-5	
SKD	B	Th 2-5	
SKK	B1 +(M 5-6)	F9-12	
SNJ	G1	Tu 10-1	
SP	E1	M8-9	
SSG	C	F2-5	
SMH	B	M8-9	
SKP	D	Tu 3-6, Th 2-5	
SSV	C	Tu 10-1	
SUP	D	F2-5	
TDP	C		
TKM	A1	C	M8-9
UKK	C1	M8-9	

## Facultywise\_Slot

UKS	M2-3, Tu11-12, W12-1	F2-5	
USD	F	W 2-5	
VKB	E+F2-3	M8-9	