

Registration Form for Enrollment in Even Semester for Session 2021-22 (Summer 2022)

(To be filled in **Blue Ink in Capital letters only**) Instruction: Please Tick \sqrt appropriately and properly

Name : _____ Enrolment No. : _____

ID No. : _____ Name of Faculty Advisor : _____ Contact No. : _____

Current Address : _____

E-mail : _____ Parents No. : _____

B. Tech. in Mechanical Engineering

IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MEL202	FLUID MECHANICS	DC	4	C	Offered	YES/NO
2	MEP202	FLUID MECHANICS	DC	1	C	Offered	YES/NO
3	MEL207	MANUFACTURING PROCESS-I	DC	3	G	Offered	YES/NO
4	MEL304	MACHINE DESIGN-I	DC	3	H	Offered	YES/NO
5	MEL301	THEORY OF MACHINE-II	DC	3	E	Offered	YES/NO
6	MEP301	THEORY OF MACHINE-II	DC	1	E	Offered	YES/NO
7	MEL303	ENERGY CONVERSION-I	DC	4	D	Offered	YES/NO
8	MEP207	MANUFACTURING PROCESS-I	DC	1	G	Offered	YES/NO
9	MEP208	DESIGN LAB-I	DC	1	H	Offered	YES/NO
Total Credits (DC + DE)				21			

Signature of Student

Signature of Faculty Advisor

Date:

Date:

A student must register the backlog courses first and then register for the current semester courses. A student can register for maximum SIX THEORY and FOUR PRACTICAL (including project) as credit courses, and maximum one audit course including all backlog course/(s), if any.

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VI Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MEL311	METROLOGY AND QUALITY ASSURANCE	DC	3	C	Offered	YES/NO
2	MEL312	MECHANICAL MEASUREMENTS	DC	3	H	Offered	YES/NO
3	MEP314	MECHANICAL MEASUREMENT AND METROLOGY	DC	1	H	Offered	YES/NO
4	MEL309	MACHINE DESIGN-II	DC	4	D	Offered	YES/NO
5	MEL310	MANUFACTURING PROCESSES AUTOMATION	DC	3	E	Offered	YES/NO
6	MEP310	MANUFACTURING PROCESSES AUTOMATION	DC	1	E	Offered	YES/NO
7	MEP309	MACHINE DESIGN-II	DC	1	D	Offered	YES/NO
Elective Courses (Any one)							
8	MEL432	COMPUTER GRAPHICS AND SOLID MODELING	DE	3	G	Offered	YES/NO
	MEP432	COMPUTER GRAPHICS AND SOLID MODELING	DE	1	G	Offered	YES/NO
9	MEL442	COMPUTER & DATABASE MANAGEMENT	DE	3		Not offered	
	MEP442	COMPUTER & DATABASE MANAGEMENT	DE	1		Not offered	
10	MEL422	AUTOMOBILE ENGINEERING	DE	3	A	Offered	YES/NO
	MEP422	AUTOMOBILE ENGINEERING	DE	1	A	Offered	YES/NO
Elective Courses (Any one)							
11	MEL429	RENEWABLE ENERGY SOURCES	DE	3	F	Offered	YES/NO
12	MEL415	MECHANICAL VIBRATION	DE	3	F	Offered	YES/NO
13	MEP452	MACHINE SYSTEM DESIGN	DE	3		Not offered	
14	MEL315	INTRODUCTION TO AEROSPACE ENGINEERING	DE	3		Not offered	
15	MEL456	DESIGN OF FIXTURES IN MANUFACTURING	DE	3	F	Offered	YES/NO
16		OC/HM		3			YES/NO
		Total Credits (DC + DE)		23			

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VIII Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MED402	PROJECT PHASE-II	DC	4	-	Offered	YES/NO
Elective Courses (Any One)							
2	MEL426	REFRIGERATION & CRYOGENICS	DE	3	G	Offered	YES/NO
	MEP426	REFRIGERATION AND CRYOGENICS	DE	1	G	Offered	YES/NO
3	MEL430	ADVANCED IC ENGINE	DE	3	E	Offered	YES/NO
	MEP430	ADV. I. C. ENGINE	DE	1	E	Offered	YES/NO
4	MEL445	AUTOMATION IN PRODUCTION	DE	3	F	Offered	YES/NO
	MEP445	AUTOMATION IN PRODUCTION	DE	1	F	Offered	YES/NO
Elective Courses (Any four)							
5	MEL443	AIR POLLUTION CONTROL	DE	3	D	Offered	YES/NO
6	MEL449	ADVANCED TURBO MACHINERY	DE	3	C	Offered	YES/NO
7	MEL401	CONTROL SYSTEMS	DE	3	E	Offered	YES/NO
8	MEL424	INDUSTRIAL ENGINEERING & MANAGEMENT	DE	3	G	Not offered	
9	MEL448	ARTIFICIAL INTELLIGENCE IN MANUFACTURING	DE	3	A	Offered	YES/NO
10	MEL413	FRACTURE MECHANICS	DE	3	C	Offered	YES/NO
11	MEL454	QUALITY ENGINEERING MANAGEMENT	DE	3	H	Offered	YES/NO
12	MEL418	ADVANCED STRESS ANALYSIS	DE	3	G	Offered	YES/NO
13	MEL405	OPTIMIZATION	DE	3		Not offered	
14	MEL444	SOLAR ENERGY UTILIZATION	DE	3		Not offered	
15	MEL409	ADVANCED MECHANICS OF SOLIDS	DE	3		Not offered	
16		OC/HM	DE	3			YES/NO
				Total Credits (DC + DE)			
				20			

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M. Tech in (CAD - CAM)

II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MEL523	COMPUTER INTEGRATED MANUFACTURING	DC	3	E	Offered	YES/NO
2	MEL520	NON - LINEAR OPTIMIZATION	DC	4	C	Offered	YES/NO
3	MEL418	ADVANCED STRESS ANALYSIS	DC	3	G	Offered	YES/NO
		Elective					
4	MEL415	MECHANICAL VIBRATION	DE	3	F	Offered	YES/NO
5	MEL510	MANUFACTURING SYSTEM SIMULATION AND DESIGN	DE	3		Not offered	YES/NO
6	MEL529	INDUSTRIAL PRODUCT DEVELOPMENT	DE	3	D	Offered	YES/NO
7	MEL530	MACHINE CONDITION MONITORING	DE	3	B	Offered	YES/NO
8	MEL518	FRACTURE MECHANICS AND NON DESTRUCTIVE TESTING	DE	3	A	Not offered	
9	MEP518	FRACTURE MECHANICS AND NON DESTRUCTIVE TESTING	DE	4	A	Not offered	
10	MEL526	ADHESION, FRICTION AND CONTACT MECHANICS	DE	3		Not offered	YES/NO
11	MEP526	ADHENSION, FRICTION AND CONTACT MECHANICS	DE	4		Not offered	YES/NO
12	MEL532	LAYERED MANUFACTURING	DE	3	A	Offered	YES/NO
13	MEP532	LAYERED MANUFACTURING	DE	1	A	Offered	YES/NO
14	MEL456	DESIGN OF FIXTURES IN MANUFACTURING	DE	3	F	Offered	YES/NO
		Total Credits (DC + DE)		19			

IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MED502	PROJECT PHASE-II	DC	9	-	Offered	YES/NO
		Total Credits (DC + DE)		9			

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M. Tech in (INDUSTRIAL ENGINEERING)

II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MEL445	AUTOMATION IN PRODUCTION	DC	3	F	Offered	YES/NO
2	MEL506	MARKETING MANAGEMENT	DC	3	E	Offered	YES/NO
3	MEL501	STATISTICS AND QUALITY ASSURANCE	DC	4	H	Offered	YES/NO
4	MEP445	AUTOMATION IN PRODUCTION	DC	1	F	Offered	YES/NO
Elective							
5	MEL530	MACHINE CONDITION MONITORING	DE	3	B	Offered	YES/NO
6	MEL510	MANUFACTURING SYSTEM SIMULATION AND DESIGN	DE	3		Not offered	YES/NO
7	MEL529	INDUSTRIAL PRODUCT DEVELOPMENT	DE	3	D	Offered	YES/NO
8	MEL532	LAYERED MANUFACTURING	DE	3	A	Offered	YES/NO
9	MEL442	COMPUTER & DATABASE MANAGEMENT	DE	3		Not offered	YES/NO
10	MEP532	LAYERED MANUFACTURING	DE	1	A	Offered	YES/NO
11	MEP442	COMPUTER & DATABASE MANAGEMENT	DE	1		Not offered	YES/NO
12	MEL555	PROJECT EVALUATION & MANAGEMENT	DE	3	C	Offered	YES/NO
13	MEL456	DESIGN OF FIXTURES IN MANUFACTURING	DE	3	F	Offered	YES/NO
Total Credits (DC + DE)				20			

IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MED502	PROJECT PHASE-II	DC	9	-	Offered	YES/NO
Total Credits (DC + DE)				9			

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M. Tech in (HEAT POWER ENGINEERING))

II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MEL430	ADVANCED IC ENGINE	DC	3	E	Offered	YES/NO
2	MEP430	ADV. I. C. ENGINE	DC	1	E	Offered	YES/NO
3	MEL444	SOLAR ENERGY UTILIZATION	DC	3	F	Offered	YES/NO
4	MEL438	ADV. REFRIGERATION & AIR CONDITIONING	DC	3	G	Offered	YES/NO
5	MEP438	ADV. REFRIGERATION & AIR CONDITIONING	DC	1	G	Offered	YES/NO
Elective (Any One From Each Group)							
6	MEL449	ADVANCED TURBO MACHINERY	DE	3	C	Offered	YES/NO
7	MEL507	ADVANCED CFD	DE	3	B	Offered	YES/NO
8	MEL443	AIR POLLUTION CONTROL	DE	3	D	Offered	YES/NO
9	MEL525	MULTI PHASE FLOW	DE	3	A	Offered	YES/NO
10	MEL516	FUEL CELL TECHNOLOGY	DE	3	H	Offered	YES/NO
11	MEP516	FUEL CELL TECHNOLOGY	DE	1	H	Offered	YES/NO
12	MEL531	BIO ENERGY COVERSION	DE	3		Not offered	YES/NO
13	MEL509	DESIGN AND OPTIMISATION OF THERMAL ENERGY SYSTEMS	DE	3		Not offered	YES/NO
Total Credits (DC + DE)				17			YES/NO

IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MED502	PROJECT PHASE-II	DC	9		Offered	YES/NO
Total Credits (DC + DE)				9			

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M. Tech in (Engineering Applied to Medical Sciences)

II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	ECL509	BIO MEDICAL IMAGING SYSTEMS AND IMAGE ANALYSIS	DC	3	D	Offered	YES/NO
2	CML510	BIOLOGICAL TRANSPORT PHENOMENA	DC	3	E	Offered	YES/NO
3	MEL541	IMPLANT DESIGN AND TISSUE ENGINEERING	DC	4	C	Offered	YES/NO
		<i>Elective (Any One From Each Group)</i>					YES/NO
4	CSL513	BIOINFORMATICS	DE	3	G	Offered	YES/NO
5	MEL542	BIOMECHANICS OF MUSCULO SKELETAL SYSTEM	DE	3	H	Offered	YES/NO
6	ECL510	BIOELECTRIC SIGNAL PROCESSING	DE	4	A	Offered	YES/NO
7	CSL504	ARTIFICIAL NEURAL NETWORK AND DEEP LEARNING	DE	3	B	Offered	YES/NO
8	MEL543	CLINICAL TRIALS AND REGULATORY REQUIREMENT	DE	3	A	Offered	YES/NO
9	MML532	STRUCTURAL AND MECHANICAL CHARACTERIZATION OF MATERIALS	DE	4	B	Offered	YES/NO
		Total Credits (DC + DE)		17			

IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MED502	PROJECT PHASE-II	DC	9		Offered	YES/NO
		Total Credits (DC + DE)		9			