



SAGE UNIVERSITY, INDORE
Institute Name :- Institute of Engineering and Technology
Department:- Mechanical Engineering
PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM
Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering

Semester: I

For Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
				Lab Work/WPR	Attendance/A ssignment /viva/Lab manual												
1	EBSDCMAT004T	DC	Mathematics – I	60	20	20	-	-	-	100	3	1	-	-	-	4	4
2	EMEDCFCI001T	DC	Fundamentals of Computer & IT	60	20	20	-	-	-	100	3	0	-	-	-	3	3
3	EMEDCBME001T	DC	Basic Mechanical Engineering	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	EMEDCEMC001T	DC	Engineering Mechanics	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To Be Select from University List	GE	General Elective-I	60	20	20	-	-	-	100	2	0	-	4	-	4	6
6	AECACCOS001T	AECC	Communication Skills & Personality Development	60	20	20	-	-	-	100	3	0	-	-	-	3	3
7	EMEDCFCI001P	DC	Fundamentals of Computer & IT Lab.				30	10	10	50	-	-	2	-	-	1	2
8	EMEDCBME001P	DC	Basic Mechanical Engineering Lab				30	10	10	50		-	2	-	-	1	2
9	EMEDCEMC001P	DC	Engineering Mechanics Lab				30	10	10	50	-	-	2	-	-	1	2
10	AECACCOS001P	AECC	Communication Skills Lab				30	10	10	50			2	..	-	1	2
11	Select from List	DSEEC	Department Skill Enhancement Elective-I				30	10	10	50	-	-	4	-	-	2	4
Total				360	120	120	150	50	50	850	17	1	12	4	0	26	34

NOTE :- Student has to undergo Minimum 4 Week Internship after I sem and complete it before V sem, Evaluation will be in V sem.

Department Skill Enhancement Elective-I	EMEDSWSP001P	Workshop Practice
	EMEDSBAL001P	Basic Automobile Lab
	EMEDSPSP001P	Problem-Solving in Programming

General Elective-I (Offered for Others)	EMEGEEME001B	Elements of Mechanical Engineering
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PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM

Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

For Admission Batch: 2024-25

Program :-Bachelor of Technology in Mechanical Engineering

Semester: II

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
								Lab Work/WPR	Attendance/Assignment /viva/Lab manual								
1	EBSDCMAT007T	DC	Mathematics – II	60	20	20	-	-	-	100	3	1	-		4	4	
2	EBSDCPHY001T	DC	Physics	60	20	20	-	-	-	100	3	0	-		3	3	
3	EMEDCMFG001T	DC	Manufacturing Process	60	20	20	-	-	-	100	3	0			3	3	
4	EMEDCENG001T	DC	Engineering Graphics	60	20	20	-	-	-	100	2	0			2	2	
5	To Be Select from University List	GE	General Elective -II	60	20	20	-	-	-	100	2	0	-	4	-	4	6
6	EBSDCPHY001P	DC	Physics lab				30	10	10	50	-	-	2		-	1	2
7	EMEDCMFG001P	DC	Manufacturing Process lab				30	10	10	50	-	-	2		-	1	2
8	EMEDCENG001P	DC	Engineering Graphics Lab				30	10	10	50		-	4		-	2	4
9	Select from List	DSEEC	Department Skill Enhancement Elective-II				30	10	10	50	-	-	4			2	4
10	AECACUHV001N	AECC	Universal Human Values & Professional Ethics					20	30	50					4	2	
11	EMEDPMCP001N	DAP	Micro Project-I					20	30	50					4	2	
Total				300	100	100	120	80	100	800	13	1	12	4	8	26	30

Department Skill Enhancement Elective-II	EMEDSCAD001P	Auto CAD -I
	EMEDSFSP001P	Fitting Section Practice
	EMEDSOPJ001P	Object-Oriented Programming in Java

General Elective-II (Offered for Others)	EMEGESEE001B	Solar Energy Engineering
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Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specialization in Automobile / Manufacturing

Semester: III

For Admission Batch: 2023-24

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
				Lab Work/WPR	Attendance/A ssignment /viva/Lab manual												
1	EMEDCDGN001T	DC	Strength of Material	60	20	20	-	-	-	100	3	0				3	3
2	EMEDCDGN002T	DC	Machine Design and Drawing	60	20	20	-	-	-	100	3	0				3	3
3	Select from List	DE	Deapartmental Elective-I	60	20	20	-	-	-	100	3	0	-		-	3	3
4	Select from List	DE	Deapartmental Elective-II	60	20	20	-	-	-	100	3	0	-		-	3	3
5	To Be Select from University List	GE	General Elective -III	60	20	20	-	-	-	100	2	0	-	4	-	4	6
6	EMEDCDGN001P	DC	Strength of Material Lab				30	10	10	50	-	-	2		-	1	2
7	EMEDCDGN002P	DC	Machine Design and Drawing Lab				30	10	10	50		-	2		-	1	2
8	Select from List	DE	Deapartmental Elective-I Lab				30	10	10	50		-	2		-	1	2
9	Select from List	DE	Deapartmental Elective-II Lab				30	10	10	50		-	2		-	1	2
10	Select from List	DSEEC	Department Skill Enhancement Elective-III				30	10	10	50			4		..	2	4
Total				300	100	100	150	50	50	750	14	0	12	4	0	22	30

Departmental Elective-I	EMEDETOM001T+P	Theory of Machines	General Elective-III (Offered for Others)	EMEGETDR001B	Technical Drawing-I
	EMEDENCE001T+P	Utilization of Non Conventional Energy			

Departmental Elective-II (For-Automobile)	EMEDEAUT001T+P	Vehicle Body Engineering
	EMEDEAUT002T+P	Automotive Chassis

Departmental Elective-II (For- Manufacturing)	EMEDEMFG002T+P	Production Planning and Control
	EMEDEMFG003T+P	Design Planning & Control of Production System

Department Skill Enhancement Elective-III	EMEDSCAD002P	Auto CAD -II
	EMEDSWLD001P	Welding Practice Lab
	EMEDSDSA001P	Data Structure



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Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specilazation in Automobile / Manufacturing

Semester: III

For Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
								Lab Work/WPR	Attendance/Assignment /viva/Lab manual								
1	EMEDCDGN001T	DC	Strength of Material	60	20	20	-	-	-	100	3	0				3	3
2	EMEDCDGN002T	DC	Machine Design and Drawing	60	20	20	-	-	-	100	3	0				3	3
3	Select from List	DE	Deapartmental Elective-I	60	20	20	-	-	-	100	3	0	-	-	-	3	3
4	Select from List	DE	Deapartmental Elective-II	60	20	20	-	-	-	100	3	0	-	-	-	3	3
5	To Be Select from University List	GE	General Elective -III	60	20	20	-	-	-	100	2	0	-	4	-	4	6
6	EMEDCDGN001P	DC	Strength of Material Lab				30	10	10	50	-	-	2	-	-	1	2
7	EMEDCDGN002P	DC	Machine Design and Drawing Lab				30	10	10	50		-	2	-	-	1	2
8	Select from List	DE	Deapartmental Elective-I Lab				30	10	10	50		-	2	-	-	1	2
9	Select from List	DE	Deapartmental Elective-II Lab				30	10	10	50		-	2	-	-	1	2
10	AECACEVS002N	AECC	Environmental Study and Disaster management						20	30	50				4	2	
11	Select from List	DSEEC	Department Skill Enhancement Elective-III				30	10	10	50			4		..	2	4
Total				300	100	100	150	70	80	800	14	0	12	4	4	24	30

Departmental Elective-I	EMEDETOM001T+P	Theory of Machines	General Elective-III (Offered for Others)	EMEGETDR001B	Technical Drawing-I
	EMEDENCE001T+P	Utilization of Non Conventional Energy			

Departmental Elective-II (For-Automobile)	EMEDEAUT001T+P	Vehicle Body Engineering
	EMEDEAUT002T+P	Automotive Chassis

Departmental Elective-II (For- Manufacturing)	EMEDEMFG002T+P	Production Planning and Control
	EMEDEMFG003T+P	Design Planning & Control of Production System

Department Skill Enhancement Elective-III	EMEDSCAD002P	Auto CAD -II
	EMEDSWLD001P	Welding Practice Lab
	EMEDSDSA001P	Data Structure



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Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specialization in Automobile / Manufacturing

Semester: IV

For Admission Batch: 2023-24 and 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation	L		T	P	SM	NTCC Studio/Field Work/outreach			
1	EMEDCTHM001T	DC	Thermodynamics	60	20	20	-	-	100	4	0				4	4	
2	EMEDCMFG004T	DC	Metal cutting and Machine Tools	60	20	20	-	-	100	3	0				3	3	
3	Select from List	DE	Deapartmental Elective-III	60	20	20	-	-	100	3	0	-		-	3	3	
4	Select from List	DE	Deapartmental Elective-IV	60	20	20	-	-	100	3	0	-		-	3	3	
5	To Be Select from University List	GE	General Elective -IV	60	20	20	-	-	100	2	0	-	4	-	4	6	
6	EMEDCMFG004P	DC	Metal cutting and Machine tools Lab				30	10	10	50	-	-	2		1	2	
7	Select from List	DE	Deapartmental Elective-III Lab				30	10	10	50	-	-	2		1	2	
8	Select from List	DE	Deapartmental Elective-IV Lab				30	10	10	50	-	-	2		1	2	
9	Select from List	DSEEC	Department Skill Enhancement Elective-IV				30	10	10	50			4		2	4	
10	EMEDPMCP002N	DAP	Micro Project-II					20	30	50					4	2	
Total				300	100	100	120	60	70	750	15	0	10	4	4	24	29

NOTE :- Student has to undergo Minimum 4 Week Internship and complete it before V sem, Evaluation will be in V sem.

Departmental Elective-III	EMEDEFML001T+P	Fluid Mechanics and Hydraulic Machines	General Elective-IV (Offered for Others)	EMEGEPLM001B	Plant Layout and Material Handling
	EMEDEHNS001T+P	Hydraulics and Pneumatics System			

Departmental Elective-IV (For- Automobile)	EMEDEAUT003T+P	Automotive Transmission
	EMEDEAUT004T+P	Engine Auxiliary Systems

Departmental Elective-IV (For- Manufacturing)	EMEDMFG005T+P	Project management
	EMEDMFG006T+P	Manufacturing Information System

Department Skill Enhancement Elective-IV	EMEDSCRE001P	CREO
	EMEDSDGN006P	Design Lab
	EMEDSPYP001P	Python Programming



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Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specilazation in Automobile / Manufacturing

Semester: V

For Admission Batch: 2022-23, 2023-24, 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz/Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation	L		T	P	SM	NTCC Studio/Field Work/outreach			
1	EMEDCDGN004T	DC	Machine Design –I	60	20	20	-	-		-					100	3	0
2	EMEDCMMM001T	DC	Mechanical Measurement and Metrology	60	20	20	-	-	-	100	3	0	-	-	3	3	
3	Select from List	DE	Deapartmental Elective-V	60	20	20	-	-	-	100	4	0	-	-	4	4	
4	Select from List	DE	Deapartmental Elective-VI	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	Select from List	DE	Deapartmental Elective-VII	60	20	20	-	-	-	100	4	0	-	-	4	4	
6	Select from List	DE	Deapartmental Elective-VIII	60	20	20	-	-	-	100	3	0	-	-	3	3	
7	EMEDCDGN004P	DC	Machine Design –I Lab				30	10	10	50	-	-	2	-	1	2	
8	EMEDCMMM001P	DC	Mechanical Measurement and Metrology Lab				30	10	10	50	-	-	2	-	1	2	
9	Select from List	DE	Deapartmental Elective-VI Lab				30	10	10	50	-	-	2	-	1	2	
10	Select from List	DE	Deapartmental Elective-VIII Lab				30	10	10	50	-	-	2	-	1	2	
11	Select from List	DSEEC	Department Skill Enhancement Elective-V				30	10	10	50	-	-	4	-	2	4	
12	EMEDSIIN001N	DSEEC	Industrial Internship -I					20	30	50	-	-		4	2		
Total				360	120	120	150	70	80	900	20	0	12	0	4	28	32

NOTE :- Student has to undergo Minimum 4 Week Internship after V sem and complete it before VII sem, Evaluation will be in VII sem.

Departmental Elective-V	EMEDEEMM001T	Engineering Material & Metallurgy
	EMEDWSE001T	Work Study and Ergonomics
Departmental Elective-VI	EMEDETHM002T+P	Internal Combustion Engines
	EMEDETHM003T+P	Theory of Combustion and Emission
Departmental Elective-VII	EMEDMFG013T	Industrial Automation
	EMEDMTN001T	Maintenance Engineering
Departmental Elective-VIII (For-Automobile)	EMEDEAUT005T+P	Vehicle Transmission Analysis
	EMEDEAUT006T+P	Automotive System Analysis
Departmental Elective-VIII (For-Manufacturing)	EMEDMFG007T+P	Additive Manufacturing And Tooling
	EMEDMFG008T+P	Metrology and Quality Control
Department Skill Enhancement Elective-V	EMEDSSWP001P	Solidworks-I
	EMEDSMCP001P	Machining Process Lab-I
	EMEDSWDD001P	Web Design and Development



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CHOICE BASED CREDIT SYSTEM

Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specilazation in Automobile / Manufacturing

Semester: VI

For Admission Batch: 2022-23, 2023-24, 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz/Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
				Lab Work/WPR	Attendance/Assignment/viva/Lab manual												
1	EMEDCTHM004T	DC	Heat and Mass Transfer	60	20	20	-	-	-	100	3	0	-	-	3	3	
2	Select from List	DE	Deapartmental Elective-IX	60	20	20	-	-	-	100	3	0	-	-	3	3	
3	Select from List	DE	Deapartmental Elective-X	60	20	20	-	-	-	100	3	0	-	-	3	3	
4	Select from List	DE	Deapartmental Elective-XI	60	20	20	-	-	-	100	4	0	-	-	4	4	
5	Select from List	DE	Deapartmental Elective-XII	60	20	20	-	-	-	100	4	0	-	-	4	4	
6	EMEDCTHM004P	DC	Heat and Mass Transfer Lab				30	10	10	50	-	-	2	-	1	2	
7	Select from List	DE	Deapartmental Elective-IX lab				30	10	10	50	-	-	2	-	1	2	
8	Select from List	DE	Deapartmental Elective-X Lab				30	10	10	50			2		1	2	
9	Select from List	DSEEC	Department Skill Enhancement Elective-VI				30	10	10	50		-	4		2	4	
10	EMEDPMNP001N	DAP	Minor Project					40	60	100	-	-	-	12	6		
Total				300	100	100	120	80	100	800	17	0	10	0	12	28	27

NOTE :- Student has to undergo Minimum 4 Week Internship and complete it before VII sem, Evaluation will be in VII sem.

Departmental Elective-IX	EMEDDOM001T+P	Dynamics of Machines
	EMEDMVB001T+P	Mechanical Vibration
Departmental Elective-X	EMEDETHM005T+P	Thermal Engineering
	EMEDEORS001T+P	Operation Research and Supply Chain Management
Departmental Elective-XI	EMEDETHM006T	Power Plant Engineering
	EMEDETHM007T	Gas Dynamics and Jet Propulsion
Departmental Elective-XII (For-Automobile)	EMEDEAUT007T	Alternate Fuels and Pollution Control
	EMEDEAUT008T	Modern Vehicle Technology
Departmental Elective-XII (For-Manufacturing)	EMEDMFG009T	Production and Operation Management
	EMEDMFG010T	Advance Manufacturing System
Department Skill Enhancement Elective-VI	EMEDSSWP002P	Solidworks-II
	EMEDSMCP002P	Machining Process Lab-II



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Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specialization in Automobile / Manufacturing

Semester: VII

For Admission Batch: 2021-22

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
								Lab Work/WPR	Attendance/Assignment /viva/Lab manual								
1	EMEDCDGN005T	DC	Machine Design –II	60	20	20	-	-	-	100	3	0	-	-	3	3	
2	Select from List	DE	Deapartmental Elective-XIII	60	20	20	-	-	-	100	3	0	-	-	3	3	
3	Select from List	DE	Deapartmental Elective-XIV	60	20	20	-	-	-	100	3	0	-	-	3	3	
4	Select from List	DE	Deapartmental Elective-XV	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	EMEDCDGN005P	DC	Machine Design –II Lab				30	10	10	50	-	-	2	-	1	2	
6	Select from List	DE	Deapartmental Elective-XIII Lab				30	10	10	50	-	-	2	-	1	2	
7	Select from List	DE	Deapartmental Elective-XIV Lab				30	10	10	50	-	-	2	-	1	2	
8	Select from List	DE	Deapartmental Elective-XV Lab				30	10	10	50	-	-	2	-	1	2	
9	Select from List	DSEEC	Department Skill Enhancement Elective-VII				30	10	10	50		-	4	-	2	4	
10	Select from List	DSEEC	Department Skill Enhancement Elective-VIII				30	10	10	50		-	4	-	2	4	
11	Select from List	DSEEC	Department Skill Enhancement Elective-IX				30	10	10	50		-	4	-	2	4	
12	EMEDSIIN002N	DSEEC	Industrial Internship -II					40	60	100	-	-		8	4		
Total				240	80	80	210	110	130	850	12	0	20	0	8	26	32

Departmental Elective-XIII	EMEDETHM008T+P	Refrigeration and Air Conditioning
	EMEDETHM009T+P	Design of Heat Exchanger
Departmental Elective-XIV	EMEDEMFG011T+P	Computer Integrated Manufacturing
	EMEDEMFG012T+P	Design for Manufacture and Assembly
Departmental Elective-XV (For-Automobile)	EMEDEMFG014T+P	Manufacturing Techniques in Automobile
	EMEDEAUT009T+P	Automotive Air Conditioning
Departmental Elective-XV (For-Manufacturing)	EMEDEMFG015T+P	Modern Welding & Casting process
	EMEDEMFG016T+P	Industrial Engineering
Department Skill Enhancement Elective-VII	EMEDSANS001P	ANSYS
	EMEDSDMM001P	Diagnostic Maintenance & Monitoring Lab
Department Skill Enhancement Elective-VIII	EMEDSVDM001P	Vehicle Diagnostic & Maintenance Lab
	EMEDSCNC001P	CNC Machining Lab
Department Skill Enhancement Elective-IX	EMEDSSEL001P	Solar Engineering Lab
	EMEDSSMM001P	Special Machines And Metrology Lab



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Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specilazation in Automobile / Manufacturing

Semester: VII

For Admission Batch: 2022-23, 2023-24, 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)			Total Marks	Hours/week					Credits	Total Hrs
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation			L	T	P	SM	NTCC Studio/Field Work/outreach		
				Lab Work/WPR	Attendance/A ssignment /viva/Lab manual												
1	EMEDCDGN005T	DC	Machine Design –II	60	20	20	-	-	-	100	3	0	-	-	3	3	
2	Select from List	DE	Deapartmental Elective-XIII	60	20	20	-	-	-	100	3	0	-	-	3	3	
3	Select from List	DE	Deapartmental Elective-XIV	60	20	20	-	-	-	100	3	0	-	-	3	3	
4	Select from List	DE	Deapartmental Elective-XV	60	20	20	-	-	-	100	3	0	-	-	3	3	
5	EMEDCDGN005P	DC	Machine Design –II Lab				30	10	10	50	-	-	2	-	1	2	
6	Select from List	DE	Deapartmental Elective-XIII Lab				30	10	10	50	-	-	2	-	1	2	
7	Select from List	DE	Deapartmental Elective-XIV Lab				30	10	10	50	-	-	2	-	1	2	
8	Select from List	DE	Deapartmental Elective-XV Lab				30	10	10	50	-	-	2	-	1	2	
9	Select from List	DSEEC	Department Skill Enhancement Elective-VII				30	10	10	50		-	4	-	2	4	
10	EMEDSIN002N	DSEEC	Industrial Internship -II					40	60	100	-	-			8	4	
Total				240	80	80	150	90	110	750	12	0	12	0	8	22	24

Departmental Elective-XIII	EMEDETHM008T+P	Refrigeration and Air Conditioning
	EMEDETHM009T+P	Design of Heat Exchanger
Departmental Elective-XIV	EMEDMFG011T+P	Computer Integrated Manufacturing
	EMEDMFG012T+P	Design for Manufacture and Assembly
Departmental Elective-XV (For-Automobile)	EMEDMFG014T+P	Manufacturing Techniques in Automobile
	EMEDEAUT009T+P	Automotive Air Conditioning
Departmental Elective-XV (For-Manufacturing)	EMEDMFG015T+P	Modern Welding & Casting process
	EMEDMFG016T+P	Industrial Engineering
Department Skill Enhancement Elective-VII	EMEDSANS001P	ANSYS
	EMEDSDMM001P	Diagnostic Maintenance & Monitoring Lab



SAGE UNIVERSITY, INDORE
 Institute Name :- Institute of Engineering and Technology
 Department:- Mechanical Engineering
PROGRAM STRUCTURE
CHOICE BASED CREDIT SYSTEM

Effective For ACADEMIC SESSION: 2024-25

Program Code:- B Tech (ME)

Program :-Bachelor of Technology in Mechanical Engineering (Hons.) With Specilazation in Automobile / Manufacturing

Semester: VIII

For Admission Batch: 2021-22, 2022-23, 2023-24, 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted											Total		
				Theory(100 Marks)			Studio/Practical (50 Marks)		Total Marks	Hours/week					Credits	Total Hrs	
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentations	End Sem. Exam (ESE)ForPractical and Viva	Continuous Internal Evaluation		L	T	P	SM	NTCC Studio/Field Work/outreach			
Lab Work/WPR	Attendance/Assignment /viva/Lab manual																
1	EMEDPMJP001N	DAP	Major Project					40	60	100	-	-			24	12	0
Total								40	60	100	0	0	0	0	24	12	0