

Study & Evaluation Scheme
w.e.f. 2024-25 (for admitted batch 2024-25 onwards)

B.Tech. (Mechanical Engineering)

Semester-I

Sl. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
								Sessional (CA)					End Sem. Exam. (ESE)			Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	Goals (SDGs)	
				L	T	P	C	CT		TA		Total	TE		PE									Total
								T	P	T	P													
1	BSC	CH101	Chemistry-I	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓		✓			
2	ESC	CS101	Computer Programming	3	0	2	4	50	15	25	10	100	75	25	100	200			✓					4,9
3	BSC	MT101	Engineering Mathematics-I	3	1	0	4	50		25		75	75		75	150	✓	✓	✓					9
4	PCC	ME101	Basic Mechanical Engineering & Workshop	3	0	2	4	50	15	25	10	100	75	25	100	200	✓		✓					4,9
5	HSSM	ES102	Concept of Environmental Studies	3	0	0	3	50		25		75	75		75	150					✓			6,13,14,15
6	PCC	ME103	Engineering Graphics	0	0	2	1		15		10	25		25	25	50	✓	✓	✓					4,8,9
7	MC	HM101	Rashtra Gaurav	2	0	0	0						100		100	100								
Total				17	1	8	20	310		165		475	475	100	575	1050								

Semester-II

Sl. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
																						Goals (SDGs)		
				L	T	P	C	CT		TA		Total	TE		PE	Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
				T	P	T	P																	
1	BSC	PY101	Physics	3	0	2	4	50	15	25	10	100	75	25	100	200	✓		✓					4
2	ESC	EC101	Basic Electronics	3	0	0	3	50		25		75	75		75	150	✓		✓					4,9
3	BCS	MT112	Engineering Mathematics -II	3	1	0	4	50		25		75	75		75	150	✓	✓	✓					9
4	ESC	EE103	Basic Electrical Engineering	3	0	2	4	50	15	25	10	100	75	25	100	200	✓							4,7,8,9,11
5	PCC	ME102	Mechanical Engineering Lab	0	0	2	1		15		10	25		25	25	50	✓	✓	✓					4,9
6	HSSM	LN132	Communication Skills: Theory and Practices	3	0	2	4	50	15	25	10	100	75	25	100	200	✓	✓	✓			✓	✓	4
7	PCC	ME105	Design Thinking and Idea Lab	0	0	2	1		15		10	25		25	25	50	✓		✓					4
Total				15	1	10	21	325		175		500	375	125	500	1000								

Semester-III

Sl. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development		
																						Goals (SDGs)		
				L	T	P	C	CT		TA		Total	TE		PE	Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
				T	P	T	P																	
1	BSC	MT201	Engineering Mathematics – III	3	0	0	3	50		25		75	75		75	150	√	√	√					9
2	PCC	ME201	Materials Science	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√		√			4,8,9,12
3	PCC	ME202	Applied Thermodynamics	3	0	2	4	50	15	25	10	100	75	25	100	200	√		√					4,7,8,9
4	PCC	ME203	Strength of Materials	3	0	0	3	50		25		75	75		75	150	√		√					4,8,9
5	PCC	ME214	Engineering Fluid Mechanics	3	0	2	4	50	15	25	10	100	75	25	100	200	√		√					4,11
6	HSSM	ES203	Disaster Management and Mitigation	3	0	0	3	50		25		75	75		75	150	√		√		√	√		11,13
7	PCC	ME206	Machine Drawing Lab	0	0	2	1		15		10	25		25	25	50	√	√	√					4,9,12
Total				18	0	8	22	360		190		550	450	100	550	1100								

Semester-IV

Sl. No.	Course Category	Subject Code	Name of Subject	Periods				Evaluation Scheme						Subject Total	Attributes							United Nations Sustainable Development Goals (SDGs)		
				L	T	P	C	CT		TA		Total	TE		PE	Total	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
T	P	T	P																					
1	PCC	ME207	Kinematics of Machines	3	0	0	3	50		25		75	75		75	150	√	√						4,9
2	PCC	ME208	Manufacturing Science– I	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4,8,9,12
3	PCC	ME209	Measurements, Metrology and Control	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4,9
4	ESC	EC217	System & Automatic Control	3	0	2	4	50	15	25	10	100	75	25	100	200	√	√	√					4,9
5	HSSM	CSE203	Cyber Law and Information Security	3	0	0	3	50		25		75	75		75	150	√		√		√	√		11,13
6	MC	BM226	Human Values & Professional Ethics	2	0	0	0						100		100	100		√			√	√		3,10,13
7	PEC	Elective	Elective I	3	0	0	3	50		25		75	75		75	150								
Total				20	0	6	21	345		180		525	550	75	625	1150								

Elective - I : 1. ME213 Polymer Science & Technology, 2. EE224 Electric Machines , 3. EC219 Laser Systems and Applications

L - Lecture T - Tutorial P – Practical C - Credits CT - Class Test TA - Teacher Assessment Th- Theory TE-Theory Exam PE- Practical Exam

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

ESC- Engineering Sciences Course

HSSM- Humanities, Social Sciences & Management

PCC - Professional core courses

PEC- Professional Elective courses

OEC- Open Elective courses