

Program Name: Bachelor of Technology- (Mechanical Engineering) Program Code: ET101

Semester / Year: Semester VII/ Forth Year

Effective from Academic Year: 2019-20

Semester-VII

Subject code	Subject Name	Credit	Teaching Scheme (Hours per week)				Evaluation scheme (Marks)				
			L	T	P	Total	Theory		Practical		Total
							University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
1ET1010701	Automobile Engineering	4	3	0	2	5	70	30	30	20	150
1ET1010702	Operations Research	4	3	1	0	4	70	30	-	20	120
1ET1010703	Refrigeration and Air-Conditioning	4	3	0	2	5	70	30	30	20	150
	Elective-II	3	2	1	0	3	70	30	-	20	120
	Elective-III	3	3	0	0	3	70	30	-	-	100
1ET1010711	Minor Project	4	0	0	8	8	-	-	60	40	100
		22	14	2	12	28	350	150	120	120	740

Note:

- Industry Internship Programme is a part of B.Tech Semester VIII curriculum, which comprise of minimum four weeks Industrial Training. Out of this two weeks training must be continuous in nature.
- Student has to undergo this training during Summer/Winter break and complete it before the Term-End of final semester.

Elective II:

Subject Code	Subject Name
1ET1010704	Entrepreneurship
1ET1010705	Energy Conservation and Management
1ET1010706	Industrial Engineering

Elective III:

Subject Code	Subject Name
1ET1010707	Industrial Automation
1ET1010708	Oil Hydraulics and Pneumatics
1ET1010709	Optimization Techniques
1ET1010710	Product Design and Value Engineering

Program Name: Bachelor of Technology- (Mechanical Engineering) Program Code: ET101

Semester / Year: Semester VIII/ Forth Year

Effective From Academic Year: 2019-20

Semester-VIII

Subject code	Subject Name	Credit	Teaching Scheme (Hours per week)				Evaluation scheme (Marks)				
			L	T	P	Total	Theory		Practical		Total
							University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
1ET1010801	Computer Aided Manufacturing	5	4	0	2	6	70	30	30	20	150
1ET1010802	Power Plant Engineering	4	3	1	0	4	70	30	-	20	120
	Elective-IV	4	3	0	2	5	70	30	30	20	150
1ET1010807	Major Project	8	0	0	16	16	-	-	120	80	200
1ET1000801	Industry Internship Programme	-	-	-	-	-	-	-	-	-	-
		21	10	1	20	31	210	90	180	140	620

Note:

- At the end of final semester students has to submit the report of Industry Internship Programme (IIP) to the Faculty supervisor/Project guide

Elective IV:

Subject Code	Subject Name
1ET1010803	Computational Fluid Dynamics
1ET1010804	Finite Element Analysis
1ET1010805	Non Conventional Machining Processes
1ET1010806	Rapid Prototyping and Tooling