

**SCHEME OF EXAMINATION**  
**B.TECH. 4<sup>th</sup> Year Mechanical Engineering (Auto) -7<sup>th</sup> Semester**

S. No	Code	Subject Name	Teaching Schedule (Hrs)				Examination Schedule (Marks)			Total Marks	Duration of Exam
			L	T	P/D	Total	Sessional	Theory	Practical/ Viva-Voce		
1	-----	Departmental Elective-I	4	1	-	5	50	100	-	150	3
2	ME 419 E	Advanced Manufacturing Technology	4	1	-	5	50	100	-	150	3
3	MEA 401E	Numerical /Methods and Optimization Technique	4	1	-	5	50	100	-	150	3
4	MEA 403E	Automation in manufacturing	3	1	-	4	50	100	-	150	3
5	MEA 405 E	Basics of Mechatronics Engineering	4	1		5	50	100		150	3
6	ME 409E	Project-1	-	-	7	7	100	-	100	200	3
7	MEA 411E	Numerical /Methods and Optimization Technique Lab		-	2	2	25	-	25	50	3
8	ME 411 E	Seminar	2			2	-	-	-	-	-
9	ME 413E	In Plant Training Report	-	-	-	-	125	-	-	125	-
	TOTAL		21	5	9	35	500	500	125	1125	

**Note: Students will be allowed to use Non-Programmable scientific calculator. However, sharing of calculator will not be permitted. Under ME-411E Some of the students may be evaluated in 7th semester and remaining in 8th Sem. Marks will be added in 8th Sem.**

**\* Refer List of Elective I**

**DEPARTMENT ELECTIVE-I**

<b>ME 421E</b>	<b>Finite Element Method</b>
ME 423E	Applied Numerical Techniques and Computer Programming
ME 427E	Machine Tool Design
ME 435 E	Renewable Energy Resources
<b>ME 437E</b>	<b>Maintenance Engineering</b>