



**Teaching and Examination Scheme  
Mechatronics Engineering  
IV Year B.Tech. : VII Semester**

Subject Code	Course Title	Hrs./Week			IA	Exam	Total		
		L	T	P					
7MH1	Micro-Electro-Mechanical System	3	0	Theory Subjects	20	80	<b>100</b>		
7MH2	Medical Electronics	3	0		20	80	<b>100</b>		
7MH3	Robotics and Machine Vision System	3	0		20	80	<b>100</b>		
7MH4	Refrigeration and Air Conditioning	3	1		20	80	<b>100</b>		
7MH5	Fuel Cell Hybrid Electric Engine	3	1		20	80	<b>100</b>		
7MH6.1	Steam Turbines & Steam Power Plant	3	0		20	80	<b>100</b>		
7MH6.2	Product Lifecycle Management								
7MH6.3	Operations Research								
7MH7	Robotics Laboratory	Practical			3	60	40	<b>100</b>	
7MH8	Computer Aided Design & Computer Aided Manufacturing Lab				3	60	40	<b>100</b>	
7MH9	Practical Training & Industrial Visit				2	-	100	<b>100</b>	
7MH10	Project-I				2	50	-	<b>50</b>	
7MH11	Discipline & Extra Curricular Activity			-	-	-	<b>50</b>		
<b>Total</b>		<b>18</b>	<b>2</b>	<b>10</b>			<b>1000</b>		



**Teaching and Examination Scheme  
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Subject Code	Course Title	Hrs./Week			IA	Exam	Total	
		L	T	P				
8MH1	Noise, Vibration and Harshness	3	1	Theory Subjects	20	80	<b>100</b>	
8MH2	Digital Image Processing	3	0		20	80	<b>100</b>	
8MH3	Gas Turbine & Gas Power Plant	3	1		20	80	<b>100</b>	
8MH6.1	Marketing Management	3	0		20	80	<b>100</b>	
8MH6.2	Total Quality Management							
8MH6.3	Project Engineering							
8MH4	Mechanical Vibrations Lab	Practical			3	60	40	<b>100</b>
8MH5	Industrial Engineering Lab				2	45	30	<b>75</b>
8MH6	Heat Transfer Lab				2	45	30	<b>75</b>
8MH7	Seminar				3	60	40	<b>100</b>
8MH8	Project-II				4	120	80	<b>200</b>
8MH9	Discipline & Extra Curricular Activity						<b>50</b>	
<b>Total</b>		<b>15</b>	<b>2</b>	<b>14</b>			<b>1000</b>	