

**School Name: School of Engineering**  
**Department Name : Mechanical Engineering**  
**Programme Name: M. Tech in Automobile Engineering**  
**Scheme: 2019-2021**

<b>SEMESTER I</b>						
<b>S No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MATH5001	Advanced Numerical and Statistical Methods	3	1	0	4
2	MAUE5001	Automotive Engine & Emission	3	0	0	3
3	MAUE5002	Transmission System Theory & Design	3	0	0	3
4	MAUE5003	Engine Design	3	0	0	3
5	MAUE5004	Chassis and Body Engineering	3	0	0	3
6	MAUE5005	Automotive Vehicle Dynamics	3	0	0	3
Total credits						19

<b>SEMESTER II</b>						
<b>S No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	CENG5001	Professional and Communication Skills	0	0	4	2
2	MCDM5006	Finite Element Methods	2	1	0	3
3	MAUE5007	Combustion Engineering	3	0	0	3
4	MAUE5008	Computational Fluid Dynamics	3	0	0	3
5	MAUE5009	Transmission System Design Lab	0	0	2	1
6	MAUE5010	Engine Testing and Pollution Measurement Lab	0	0	0	1
7		Elective 1	3	0	0	3
8		Elective 2	3	0	0	3
Total credits						19

<b>SEMESTER III</b>						
<b>S No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MAUE6001	Vehicle Testing Lab	0	0	2	1
2	MAUE6002	Automotive Engine and Chassis Components Lab	0	0	2	1
3	MAUE9998	Dessertation-1	-	-	-	5
4		Elective 3	3	0	0	3
5		Elective 4	3	0	0	3
6		Elective 5	3	0	0	3
Total credits						16

<b>SEMESTER IV</b>						
<b>S No</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MAUE9999	Dessertation-2	-	-	-	15
	Total credits					15

<b>Programme Elective (Total Credits to be taken = 15 for 5 courses)</b>						
<b>S. No.</b>	<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1	MAUE5011	Simulation of Automobile System	3	0	0	3
2	MAUE5012	Automobile Air Conditioning	3	0	0	3
3	MAUE5013	Transport Management	3	0	0	3
4	MAUE5021	Vehicle Aerodynamics	3	0	0	3
5	MAUE5014	Vehicle Maintenance and Fleet Management	3	0	0	3
6	MAUE5015	Tractor and Farm Equipments	3	0	0	3
7	MCDM5018	Design and Analysis of Experiments	3	0	0	3
8	MAUE5018	Special Purpose Vehicles	3	0	0	3
9	MAUE5017	Alternative Fuels and Power Systems	3	0	0	3
10	MAUE5019	Safety, Health and Environment	3	0	0	3
11	MAUE5020	Hydraulics and Pneumatics	3	0	0	3
12	MAUE5022	Automotive Safety	3	0	0	3