

# KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

## Master of Engineering - Automobile Engineering Semester 1 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MECC-101	<a href="#">Research Methodology</a>	2	0	0	2	2	3	70	30	20	0	120
MEA-101	<a href="#">Fundamental of automotive system</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-102	<a href="#">Vehicle dynamics</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-103	<a href="#">Advanced Thermodynamics and Heat Transfer (Common with ME-Thermal)</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-104	<a href="#">Automobile Maintenance and Pollution Control</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-105 A	<a href="#">Elective-I Combustion Engineering</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-105 B	<a href="#">Elective-I Alternate Fuels and Energy</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-105 C	<a href="#">Elective-I Principles of Management</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-105 D	<a href="#">Elective-I Entrepreneurship Development</a>	3	0	0	3	3	3	70	30	20	0	120
Total		21	0	8	29	25	18	420	180	120	120	840

## Master of Engineering - Automobile Engineering Semester 2 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEA-201	<a href="#">Automotive Air Conditioning</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-202	<a href="#">Automotive design</a>	3	0	2	5	4	3	70	30	20	30	150
MEA-203	<a href="#">Automobile chassis and body Engineering</a>	3	0	2	5	4	3	70	30	20	30	150
MEA-204	<a href="#">Transport management and laws</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-205	<a href="#">Instrumentation and vehicle testing</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-206 A	<a href="#">Elective II Automotive materials and manufacturing</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-206 B	<a href="#">Elective II Finite element modeling and analysis</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-206 C	<a href="#">Elective II Autotronics</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-207	<a href="#">Seminar</a>	0	0	2	2	1	0	0	0	60	100	160
Total		20	0	10	30	25	18	420	180	180	160	1000

Master of Engineering - Automobile Engineering Semester 3 Syllabus												
Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEA-301	<a href="#">Automotive aerodynamic and safety</a>	4	2	0	6	6	3	70	30	20	30	150
MEA-302	<a href="#">Special purpose vehicles</a>	4	0	2	6	5	3	70	30	20	30	150
MEA-303 A	<a href="#">Elective III Energy conservation and management</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-303 B	<a href="#">Elective III Computational modeling and simulation</a>	3	0	0	3	3	3	70	30	20	0	120
MEA-304	<a href="#">Dissertation Phase - I</a>	0	0	16	16	16	0	0	0	50	150	200
Total		11	2	18	31	30	9	210	90	110	210	620

Master of Engineering - Automobile Engineering Semester 4 Syllabus												
Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
MEA-401	<a href="#">Mid Semester THESIS PROGRESS REVIEW</a>	0	0	15	15	15	0	0	0	50	150	200
MEA-402	<a href="#">DISSERTATION PHASE-II</a>	0	0	15	15	15	0	0	0	50	150	200
Total		0	0	30	30	30	0	0	0	100	300	400