

B.E. Automobile Engineering

V SEMESTER

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15AU51	Management and Entrepreneurship	Auto. Engg.	04		03	80	20	100	4
2	15AU52	Dynamics of Machines	Auto. Engg.	03+2T		03	80	20	100	4
3	15AU53	Design of Machine Elements-1	Auto. Engg.	03+ 2T		03	80	20	100	4
4	15AU54	Automotive Fuels and Combustion	Auto. Engg.	04		03	80	20	100	4
5	15AU55X	Professional Elective	Auto. Engg.	03		03	80	20	100	3
6	15AU56X	Open Elective	Auto. Engg.	03		03	80	20	100	3
7	15AUL57	Automobile Engineering Lab. -I	Auto. Engg.		1I+2P	03	80	20	100	2
8	15 AUL58	Fluid Mechanics and Fuel Testing Lab	Auto. Engg.		1I+2P	03	80	20	100	2
TOTAL				22	06	24	640	160	800	26

Professional Elective		Open Elective	
15 AU551	Heat and Mass Transfer	15 AU561	Nontraditional Machining
15 AU552	Vehicle Transport Management	15 AU562	Computer Integrated Manufacturing
15 AU553	Automotive Air Conditioning and Refrigeration	15 AU563	Database Management system
15 AU554	Hydraulics and Pneumatics	15 AU564	Robotics
		15 AU665	NCC

Any suggestions and corrections may be informed on or before 05/07/2017 on ndrao1234@gmail.com

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				Theory	Practical / Drawing	Durati on	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15AU61	Automotive Chassis & Suspension	Auto. Engg.	04		03	80	20	100	4
2	15AU62	Automotive Engine Components and systems	Auto. Engg.	04		03	80	20	100	4
3	15AU63	Design of Machine Elements-II	Auto. Engg.	04		03	80	20	100	4
4	15AU64	CAD/CAM/CAE	Auto. Engg.	04		03	80	20	100	4
5	15AU65X	Professional Elective	Auto. Engg.	03		03	80	20	100	3
6	15AU66X	Open Elective	Auto./ Mech./ Industrial production/ E&CE/ CSE	03		03	80	20	100	3
7	15AUL67	CAD/CAM/CAE Lab	Auto. Engg.		1I+2P	03	80	20	100	2
8	15 AUL68	Automobile Engineering lab-II	Auto. Engg.		1I+2P	03	80	20	100	2
TOTAL				22	06	Auto. Engg.	640	160	800	26

Professional Elective		Open Elective	
15 AU651	Tribology	15 AU661	Maintenance Engineering
15 AU652	Theory of Elasticity	15 AU662	Non Destructive Testing
15 AU653	Composite Materials	15 AU663	Product life cycle management
15 AU654	Automotive Pollution and Control	15 AU664	Engineering Economics and Cost Estimation
		15 AU665	Mobile Application Development

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				Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15AU71	Mechanical Vibrations and Vehicle Dynamics	Auto. Engg.	04		03	80	20	100	4
2	15AU72	Automotive Electrical and Electronic Systems	Auto. Engg	04		03	80	20	100	4
3	15AU73	Finite Element Modeling and Analysis	Auto. Engg	04		03	80	20	100	4
4	15AU74X	Professional Elective	Auto. Engg	03		03	80	20	100	3
5	15AU75X	Professional Elective	Auto. Engg	03		03	80	20	100	3
6	15AUL76	Automobile Scanning and Re-conditioning lab	Auto. Engg		1I+2P	03	80	20	100	2
7	15AUL77	Engine Testing and Emission Measurement Laboratory	Auto. Engg		1I+2P	03	80	20	100	2
8	15 AUL78	Project Phase- I + seminar	Auto. Engg	---	---	---	---	100	100	2
TOTAL				18	06	21	560	240	800	24

Professional Elective		Professional Elective	
15 AU741	Earthmoving Equipment & Tractors	15 AU751	Control Engineering
15 AU742	Alternate Energy Sources for Automobiles	15 AU752	Plant layout and Material handling
15 AU743	Experimental Stress Analysis	15 AU753	Operations Research
15 AU744	Two and Three wheeled Vehicles	15 AU754	Engineering system Design

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				Theory	Practical / Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15AU81	Vehicle Body Engineering and Safety	Automobile	04		03	80	20	100	4
2	15AU82	Automotive Transmission	Automobile	04		03	80	20	100	4
3	15AU83X	Professional Elective	Automobile	03		03	80	20	100	3
4	15AU84	Internship/Professional Practice	Automobile	Industry Oriented		03	50	50	100	2
5	15AUP85	Project work Phase II	Automobile		6	03	100	100	200	6
6	15AUS86	Seminar	Automobile		4			100	100	1
TOTAL				11	10	15	390	310	700	20

Professional Elective	
15 AU831	Total Quality Management
15 AU832	Simulation of I. C. Engines
15 AU833	Advanced I.C. Engines
15 AU834	Hybrid Vehicles

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