

SEMESTER I

Subject Name	Subject Type	Subject Code	Subject Credit
Mathematics - I	Basic Science	2BS1101	4
Physics	Basic Science	2BS1103	3
Communication Skills	Humanity and Social Science	2HS1101	3
Engineering Graphics	Engineering Science	2ES1101	4
Workshop Practice	Engineering Science	2ES1102	2
Elements of Civil Engineering	Engineering Science	2ES1106	4

SEMESTER II

Subject Name	Subject Type	Code	Credit
Mathematics - II	Basic Science	2BS1102	4
Basic Electrical Engineering	Engineering Science	2ES1103	4
Programming for Problem Solving	Engineering Science	2ES1104	4
<u>Elements of Mechanical Engineering</u>	Engineering Science	2ES1105	4
Engineering Mechanics	Engineering Science	2ES1107	4
Computer Aided Drawing	Engineering Science	2ES1108	1
Audit Course-II	Audit	2AC*	0

SEMESTER**III**

Subject Name	Subject Type	Subject Code	Subject Credit
Automobile Electrical System	Professional Core	2AE3102	4
Fundamentals of Automobile Engines	Professional Core	2AE3101	4
Solid Modeling	Professional Core	2ME3101	1
Mechanics of Machine	Professional Core	2AE3104	4
Mathematics for Automobile Engineering	Basic Science	2BS3105	4
Effective Technical Communication	Humanity and Social Science	2HS3101	2
Engineering Thermodynamics(Auto)	Professional Core	2ME3103	3

**SEMESTER
IV**

Subject Name	Subject Type	Subject Code	Subject Credit
Automobile Systems and Powertrain	Professional Core	2AE4105	4
Strength of Material(Auto)	Engineering Science	2CI3111	4
Industrial Management	Open Elective	2HS4101	2
Fluid Mechanics	Professional Core	2ME3104	5
Material Technology	Professional Core	2ME3106	3
Manufacturing Technology & Process	Professional Core	2AE4104	4

**SEMESTER
V**

Subject Name	Subject Type	Subject Code	Subject Credit
Heat Transfer	Professional Core	2AE501	4
Vehicle Component Design	Professional Core	2AE502	4
Manufacturing Technology & Process	Professional Core	2AE503	4
Electromobile Drives	Professional Core	2AE504	4
Automobile Systems and Mechanism	Professional Core	2AE505	4
Transport Management and Laws	Professional Core	2AE506	3
Industrial Engineering and Management	Audit	2AE507	2

**SEMESTER
VI**

Subject Name	Subject Type	Subject Code	Subject Credit
Vehicle Dynamics and Structure	Professional Core	2AE601	4
Automobile Chassis and Body Engineering	Professional Core	2AE602	4
Fundamental of Vehicle Noise and Vibration	Professional Core	2AE603	4
Air Conditioning and Refrigeration	Professional Core	2AE604	4
Automotive Measurements and Metrology	Professional Core	2AE605	4
Vehicle Maintenance and Garage Practice	Professional Core	2AE606	4

**SEMESTER
VII**

Subject Name	Subject Type	Code	Credit
Special Purpose Vehicle	Professional Core	2AE703	3
Automobile Testing and Homologation	Professional Core	2AE702	4
Automobile System Design	Professional Core	2AE701	4
Industrial Robotics and Automation	Professional Elective	2AE704PE1	4
Computer Integrated Manufacturing	Professional Elective	2AE704PE3	4
Minor Project	Professional Core	2AE705	4
Automotive Hydraulics and Pneumatics	Professional Elective	2AE704PE2	4
Practical Training	Professional Core	2AE706	4

**SEMESTER
VIII**

Subject Name	Subject Type	Subject Code	Subject Credit
Major Project	Professional Core	2AE805	6
Advanced Automotive Technology	Professional Elective	2AE804PE3	3
Automotive Combustion & Engine Technology	Professional Elective	2AE804PE2	3
Advance IC engines	Professional Elective	2AE804PE1	3
Automobile Aerodynamics and Ergonomics	Professional Core	2AE803	4
Alternate Fuels for Engines	Professional Core	2AE802	4
Two & Three Wheeler Technology	Professional Core	2AE801	4

