Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
Mathematics - I	Mathematics – II	Maths-III	Theory of machine	Manufacturing Technology	Automotive Transmission	Automotive Electricals & Electronics	Major Project/Comprehensive Project
Element of Civil Engineering & Mechanics	Engineering Chemistry	Thermodynamics and Fluid flow	Materials Technology	Design of Machines Elements	Vehicle Dynamics	Vehicle Safety	
Elements of Electrical Engineering	Element of Mechanical Engineering	Strength of Material	Automotive Chassis & Components	Automotive Power Train Systems	Finite Element Analysis	Professional Core Elective - IV	
Engineering Physics	Basic Electronics	Mechanical Measurements & Metrology	Professional Core Elective - I	Open Elective - III	Professional Core Elective - III	Professional Core Elective - V	
Workshop Practice	Computer Programming - I	Open Elective - I	Open Elective - II	Professional Core Elective - II	Open Elective - IV	Professional Core Elective - VI	
Communication Skills - I	Professional Ethics and Human Values	Communication Skills - II	Industry 4.0	Communication Skills - III	Industrial Training/ IEP (6 weeks-summer break)	Seminar and Technical Writing	
Computer Programming II	NCC/NSS/Sports		Industrial Orientation (3 weeks-summer				
Environmental Studies	Civic services and Social Internship (Summer Break)						
NCC/NSS/Sports							
Engineering Graphics-Lab	Computer Programming Lab - I	Mechanical Measurements & Metrology - Lab	Industry 4.0 Lab	Manufacturing Technology – Lab	Automotive Design – Lab	Automotive Electricals & Electronics- Lab	
Element of Civil Engineering & Mechanics - Lab	Engineering Chemistry Lab	Strength of Material - Lab	Theory of machines - Lab	Design of Machines Elements- Lab	Automotive Transmission- Lab	Vehicle Safety - Lab	
Elements of Electrical Engineering - Lab	Basic Electronics Lab	Thermodynamics and Fluid flow -Lab	Materials Technology - Lab	Automotive Power Train Systems -Lab	Vehicle Dynamics Lab		
Engineering Physics Lab	Element of Mechanical Engineering-Lab	Geometric modelling - Lab	Automotive Chassis & Components - Lab		Finite Element Analysis- Lab		

HSC	Humanities & Social Science Including Management Courses
BSC	Basic Science Courses
ESC	Engineering Science Courses including Workshop, drawing, Basic of Electrical, Basic of Mechanical, Computer etc…
IND	Industry 4.0 Course

PCC	Professional Core Courses
PCE	Professional Elective Courses related to chosen specialization
OE	Open Elective Subjects from Other technical / emerging subjects
PROJECT	Project work, Seminar or Internship in Industry or elsewhere