

(Bachelor of Vocation) – Automobile Technology

Duration: 3 Years (6 Semesters)

Level: Undergraduate Degree Program

Subject codes vary by university. The following is a standard university-style syllabus with sample subject codes.

Semester I

Subject Code	Subject Name
BAT101	Communication Skills
BAT102	Applied Mathematics
BAT103	Applied Physics
BAT104	Engineering Drawing
BAT105	Fundamentals of Automobile Engineering
BAT106	Workshop Technology
BAT107P	Automobile Workshop Practice-I

Semester II

Subject Code	Subject Name
BAT201	Environmental Studies
BAT202	Basic Electrical & Electronics Engineering
BAT203	Automobile Engines
BAT204	Materials & Manufacturing Processes
BAT205	Computer Applications
BAT206	Vehicle Maintenance Technology

Subject Code	Subject Name
BAT207P	Automobile Workshop Practice-II

Semester III

Subject Code	Subject Name
BAT301	Automobile Transmission Systems
BAT302	Chassis & Suspension Systems
BAT303	Auto Electrical Systems
BAT304	Vehicle Inspection & Testing
BAT305	Industrial Safety & Quality Control
BAT306	Entrepreneurship Development
BAT307P	Practical Training-I

Semester IV

Subject Code	Subject Name
BAT401	Automobile Service Management
BAT402	Vehicle Diagnostics
BAT403	Fuel Injection Systems
BAT404	Automotive Air Conditioning
BAT405	Inventory & Spare Parts Management
BAT406	Customer Relationship Management
BAT407P	Practical Training-II

Semester V

Subject Code	Subject Name
BAT501	Hybrid & Electric Vehicles
BAT502	Automotive Electronics
BAT503	Vehicle Emission Control
BAT504	Advanced Automobile Technology
BAT505	Research Methodology
BAT506	Industrial Internship
BAT507P	Project Work-I

Semester VI

Subject Code	Subject Name
BAT601	Automotive Design & Development
BAT602	Automobile Production Management
BAT603	Transportation Management
BAT604	Emerging Trends in Automobile Industry
BAT605	Major Project
BAT606	Industrial Training Report
BAT607V	Viva Voce