

Sector: Automotive								
Program: Bachelor of Vocation in automotive maintenance & Repair Technology								
Semester: I								
Sl. No	Course Type	Semester	Course Code	Course	L	T	P	C
1	General Education	I		Introduction to Automotive Technology	3			3
2	General Education	I		Engine Fundamentals	3			3
3	General Education	I		Basic Electrical Systems	3			3
4	General Education	I		Automotive Safety and Practices	3			3
5	OJT	I		Introduction to Automotive Maintenance Environment			18	18
	TOTAL				12		18	30
Semester: II								
1	General Education	II		Transmission Systems	3			3
2	General Education	II		Automotive Brake Systems	3			3
3	General Education	II		Suspension and Steering Systems	3			3
4	General Education	II		Basic Vehicle Diagnostics	3			3
5	OJT	II		Intermediate automotive diagnostics and repair			18	18
	TOTAL				12		18	30
Semester III								
1	General Education	III		Advanced Electrical Systems	3			3
2	General Education	III		Fuel Systems and Emissions	3			3
3	General Education	III		Climate Control and HVAC Systems	3			3
4	General Education	III		Wheel and Tyre Technologies	3			3
5	OJT	III		Emphasis on electronics and advanced diagnostics			18	18
	TOTAL				12		18	30
Semester IV								
1	General Education	IV		Hybrid and Electric Vehicle Technologies	3			3
2	General Education	IV		Vehicle Body and Paint Technology	3			3
3	General Education	IV		Advanced Diagnostics and Troubleshooting	3			3
4	General Education	IV		Computer Systems in Vehicles	3			3
5	OJT	IV		Introduction to green technology maintenance			18	18
	TOTAL				12		18	30
Semester V								
1	General Education	V		Automotive Business and Management	3			3
2	General Education	V		Advanced Powertrain Technologies	3			3
3	General Education	V		Automotive Research and Innovation	3			3
4	General Education	V		Vehicle Testing and Quality Assurance	3			3
5	OJT	V		Performance evaluation and quality assurance			18	18

	TOTAL				12	18	30
<b>Semester VI</b>							
1	General Education	VI		Emerging Technologies in the Automotive Industry	3		3
2	General Education	VI		Automotive Laws and Ethics	3		3
3	General Education	VI		Career Development in the Automotive Field	0		0
4	General Education	VI		Major Project	6		6
5	OJT	VI		Focus on emerging technologies and high-end diagnostics.		18	18
	TOTAL				12	18	30