



First Year Teaching Scheme

Admission Year 2026-27

**Bachelor of Technology
Automobile Engineering**

Faculty of Engineering & Technology

Parul University

Vadodara, Gujarat, India

Semester – 1

				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)										
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
4.5	03010201P C01	Manufacturing Process in Automotive Industries	4	3	2	-	20	20	20	60	30	40	25	150
	03019201B S01	Physics of Semiconductors	4	3	2	-	20	20	20	60	30	40	25	150
	03019101B S02	Linear Algebra and Calculus	4	4	-	-	20	-	20	60	-	40	-	100
	03010201E S01	Elements of Mobility Engineering	3	2	2	-	20	20	20	60	30	40	25	150
	03010402E S01	Mechanics of Solids	4	3	2	-	20	20	20	60	30	40	25	150
	03010001HM01	Principles of Communication Skills	1	-	2	-	-	20	-	-	30	-	25	50
	03010001MC01	Student Induction Program with Essence of Indian Knowledge System	0	12	-	-	-	-	50	-	-	20	-	50
	Total credits			20										

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P – Practical

Theory Passing % : 40 Practical Passing % : 50

Semester – 2

				Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)										
NCrF Credit Level	Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	Int.+Ext.	
4.5	03010202P C01	Automobile Materials	3	3	-	-	20	-	20	60	-	40	-	100
	03019102B S02	Differential Equations and Vector Calculus	4	4	-	-	20	-	20	60	-	40	-	100
	03010901E S02	Engineering Graphics and Design	4	2	4	-	20	20	20	60	30	40	25	150
	03010202E S01	Manufacturing & Measuring Practices	4	2	4	-	20	20	20	60	30	40	25	150
	03010002H M01	Advanced Communication and Interpersonal Skills	2	1	2	-	40	20	-	60	30	40	25	150
	03010002M C01	Environmental Science	0	1	-	-	-	-	50	-	-	20	-	50
	03M10002UE01	Privacy and Security in Online Social Media	3	3	-	-	20	-	20	60	-	40	-	100
	03M10002UE02	Design, Technology and Innovation	3	3	-	-	20	-	20	60	-	40	-	100
	06M10102UE02	Indian Economy: Some Contemporary Perspectives	3	3	-	-	20	-	20	60	-	40	-	100
	06M10202UE01	Principles of Management	3	3	-	-	20	-	20	60	-	40	-	100
	06M10502UE03	Intellectual Property	3	3	-	-	20	-	20	60	-	40	-	100
		Total credits	20											

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical

Theory Passing % : 40 Practical Passing % : 50