



**First Year Teaching Scheme**

**Admission Year 2026-27**

**Diploma Engineering  
Civil 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.	
3.5	03061501PC01	Building Design and Drafting	4	2	4	0	20	100	20	60	-	40	40	200
	03069101BS01	Mathematics - I	4	3	0	1	20	-	20	60	-	40	-	100
	03069201BS01	Applied Physics	4	3	2	0	20	50	20	60	-	40	20	150
	03061901ES01	Basic Engineering Drawing	2	1	2	0	20	50	20	60	-	40	20	150
	03061601ES02	Foundation of IT and Web Design Application	2	0	4	0	-	100	-	-	-	-	40	100
	03060001HM01	Fundamentals of Communication Skills	1	0	2	0	-	20	-	-	30	-	20	50
	03061501MC01	Environmental Science	0	1	0	0	20	-	20	-	-	16	-	40
	03061501UE01	Pollution Prevention and Control Techniques	3	3	0	0	20	-	20	60	-	40	-	100
	03061601UE01	Programming with Python	3	2	2	0	20	50	20	60	-	40	20	150
	03061601UE02	Internet of Things: Concepts and Application	3	2	2	0	20	50	20	60	-	40	20	150
	03061701UE01	Energy Conservation	3	3	0	0	20	-	20	60	-	40	-	100
	03061901UE01	Introduction to Robotics and Automation	3	3	0	0	20	-	20	60	-	40	-	100
	03062301UE01	Basic Aircraft Science	3	3	0	0	20	-	20	60	-	40	-	100
			<b>Total credits</b>	<b>20</b>										

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

Theory Passing % : 40 Practical Passing % : 40

**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.	
3.5	03061502PC01	Construction Materials and Technology	4	3	2	0	20	50	20	60	-	40	20	150
	03069102BS01	Mathematics - II	4	3	0	1	20	-	20	60	-	40	-	100
	03069501BS01	Applied Chemistry	4	3	2	0	20	50	20	60	-	40	20	150
	03061502ES01	Applied Mechanics	4	3	2	0	20	50	20	60	-	40	20	150
	03061502ES02	Computer Aided Drafting	2	0	4	0	-	100	-	-	-	-	40	100
	03060002HM01	Verbal Ability	2	1	2	0	40	20	-	60	30	40	20	150
	03060002MC01	Universal Human Values	0	1	0	0	20	-	20	-	-	16	-	40
	03061502UE01	Disaster Management	3	3	0	0	20	-	20	60	-	40	-	100
	03061602UE01	Digital Marketing	3	3	0	0	20	-	20	60	-	40	-	100
	03061702UE01	Introduction to Electrical Safety and Management	3	2	2	0	20	50	20	60	-	40	20	150
	03061802UE01	E Waste Management	3	3	0	0	20	-	20	60	-	40	-	100
	03061902UE01	Industrial Safety and Risk Management	3	3	0	0	20	-	20	60	-	40	-	100
	03061902UE02	Plant Layout and Fire Safety	3	3	0	0	20	-	20	60	-	40	-	100
	03061502EX01	Basic Construction Techniques	4-6	-	-	-	-	-	-	-	-	-	-	-
	03061502EX02	Construction Materials Testing	4-6	-	-	-	-	-	-	-	-	-	-	-
	03061502EX03	Civil Engineering Construction Skills	4-6	-	-	-	-	-	-	-	-	-	-	-
<b>Total credits</b>			<b>23</b>											

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

**Theory Passing % : 40 Practical Passing % : 40**