



**First Year Teaching Scheme**

**Admission Year 2026-27**

**Diploma Engineering  
Electronics and Communication Engineering**

**Faculty of Engineering & Technology**

**Parul University**

**Vadodara, Gujarat, India**

**Semester – 1**

NCrF Credit Level	Subject Code	Subject Name	Credit	Teaching Scheme			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
				(Hours / Week)	Lect	Lab	Tut	T	P	CE	T	P	Int.+Ext.	
3.5	03061801PC01	Electronics Devices and Circuits	5	3	2	1	20	50	20	60	-	40	20	150
	03069101BS01	Mathematics - I	4	3	0	1	20	-	20	60	-	40	-	100
	03069202BS01	Basic Physics	4	3	2	0	20	50	20	60	-	40	20	150
	03061702ES01	Fundamentals of Electrical Engineering	3	2	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>22</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	03061802PC01	Electronics Circuits and Networks	5	3	2	1	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	
	03061802ES01	Electronics Materials and Components	3	3	0	0	20	-	20	60	-	40	-	100	
	03061702ES02	Electrical and Electronics Workshop	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	
	03061802EX01	Hand Soldering Technician	4-6	-	-	-	-	-	-	-	-	-	-	-	-
	03061802EX02	Through Hole Assembly Operator (N)(PCB Design)	4-6	-	-	-	-	-	-	-	-	-	-	-	-
	03061802EX03	Industrial Training	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