



**First Year Teaching Scheme**

**Admission Year 2026-27**

**Industry Embedded Bachelor of Technology  
CSE in Association with Microsoft**

**Faculty of Engineering & Technology**

**Parul University**

**Vadodara, Gujarat, India**

**Semester – 1**

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical )	Total Marks
Subject Code	Subject Name	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03010501PC01	Web Designing	4	3	2	-	20	20	20	60	30	40	25	150
03019101BS01	Calculus	4	4	-	-	20	-	20	60	-	40	-	100
	Azure Data Fundamentals*	3	3	-	-	20	-	20	60	-	40	-	100
03010601ES02	Electrical and Electronics Engg.	4	3	2	-	20	20	20	60	30	40	25	150
03010501ES01	Programming of Problem Solving	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	-	-	-	25	50
	Total	20											

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 40 Practical Passing % :**

**Semester – 2**

Subject Code	Subject Name	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
	Professional Core Courses (PCC-II)												
03010503PC05	Operating System	3	3	-	-	20	-	20	60	-	40	-	100
03010503PC06	Operating System Laboratory	1	-	2	-	-	20	-	-	30	-	25	50
	Multidisciplinary Open Professional Electives Courses (MOPECs-I)												
	Azure Database Associate *	3	3	-	-	-	-	40	60	-	40	-	100
06M10102UE02	Indian Economy: Some Contemporary Perspectives	3	3	-	-	-	-	40	60	-	40	-	100
03M10002UE02	Design, Technology and Innovation	3	3	-	-	-	-	40	60	-	40	-	100
06M10502UE03	Intellectual Property	3	3	-	-	-	-	40	60	-	40	-	100
06M10102UE01	Principles of Management	3	3	-	-	-	-	40	60	-	40	-	100
	Basic Science Courses (BSC-II)												
03019201BS01	Physics for Semiconductors	4	3	2	-	20	20	20	60	30	40	25	150
	Basic Science Courses (BSC-III)												
03019102BS01	Linear Algebra	4	4	-	-	20	-	20	60	-	40	-	100
	Engineering Science courses (ESC-IV)												
03010502ES01	Objected Oriented Programming with Java	3	2	2	-	20	20	20	60	30	40	25	150
	Engineering Science courses (ESC-V)												
0310702ES01	ICT Workshop	1	-	2	-	-	20	-	-	30	-	25	50
	Humanities and Social Science, including Management Courses (HSMC-II)												
03010002HM01	Advanced Communication and Interpersonal Skills	2	1	2	-	40	20	-	60	30	40	25	150
	Mandatory courses (MNC-II)												
03010002MC01	Environmental Science	0	1	-	-	-	-	50	-	-	-	25	50
	Vocational Training / Professional Experience/Courses- (Mandatory for Exit)												
	<b>Total</b>	21											

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical  
**Theory Passing % : 40 Practical Passing % : 50**