



First Year Teaching Scheme

Admission Year 2026-27

**Bachelor of Technology
CSE (Big Data Analytics)**

Faculty of Engineering & Technology

Parul University

Vadodara, Gujarat, India



Semester – 1

	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.	
4.5	03010501PC01	Web Designing	4	3	2	-	20	20	20	60	30	40	25	150
	03019101BS01	Calculus	4	4	-	-	20	-	20	60	-	40	-	100
		Prompt Engineering and Generative AI	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	16	6									750

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical
Theory Passing % : 40 Practical Passing % : 5



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)													
	03M10002UE01	Privacy and Security in Online Social Media	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)													
4.5	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)														
	Total		21	17	10									900	

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