



First Year Teaching Scheme

Admission Year 2026-27

**Master of Technology
Construction Project Management**

Faculty of Engineering & Technology

Parul University

Vadodara, Gujarat, India

Semester - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021601P C01	Project Management	3	3	-	-	20	-	20	60	-	50	-	100
03021601P C02	Project Management Laboratory	1	-	2	-	-	20	-	-	30	-	25	50
03021601P C03	Quality and Safety Management in Construction Projects	3	3	-	-	20	-	20	60	-	50	-	100
03021601P C05	Construction Equipment Management	3	3	-	-	20	-	20	60	-	50	-	100
	Humanities and Social Science, including Management Course (HSMC)-I (2025-26)	4	-	-	-	-	-	-	-	-	-	-	
	Mandatory Course (MNC)-I (2025-26)	0	-	-	-	-	-	-	-	-	-	-	
	Professional Elective Course (PEC)-I (2025-26)	3	-	-	-	-	-	-	-	-	-	-	
	Professional Elective Course (PEC)-II (2025-26)	3	-	-	-	-	-	-	-	-	-	-	
	Total	20	9	2									350

Semester - 1 : Humanities and Social Science, including Management Course (HSMC)-I (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03020201H M01	Research Methodology & IPR	4	4	-	-	20	-	20	60	-	50	-	100

Semester - 1 : Mandatory Course (MNC)-I (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03020001M C01	English for Research Paper Writing	0	2	-	-	-	-	50	-	-	25	-	50
03021601M C01	Disaster Management	0	2	-	-	-	-	50	-	-	25	-	50

Semester - 1 : Professional Elective Course (PEC)-I (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021601P E01	Project Material Management	3	3	-	-	20	-	20	60	-	50	-	100
03021601P E03	Construction Techniques	3	3	-	-	20	-	20	60	-	50	-	100
03021601P E05	HR in Construction Management	3	3	-	-	20	-	20	60	-	50	-	100

Semester - 1 : Professional Elective Course (PEC)-II (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021601P E07	Value Engineering	3	3	-	-	20	-	20	60	-	50	-	100
03021601P E09	Resource Management	3	3	-	-	20	-	20	60	-	50	-	100

Semester - 1 : Professional Elective Course (PEC)-II (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021601PE11	Sustainable Smart Building	3	3	-	-	20	-	20	60	-	50	-	100

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

Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021602P C01	O.R. in Construction Management	3	3	0	0	20	-	20	60	-	50	-	100
03021602P C02	O.R. in Construction Management Laboratory	1	0	2	0	-	20	-	-	30	-	25	50
03021602P C03	Strategy Managment	3	3	0	0	20	-	20	60	-	50	-	100
03021602P C05	Construction Contract Management	3	3	0	0	20	-	20	60	-	50	-	100
	Mandatory Course (MNC)-II (2025-26)	0	-	-	-	-	-	-	-	-	-	-	
	Multidisciplinary Open Professional Electives Course (MOPEC)-I (2025-26)	4	-	-	-	-	-	-	-	-	-	-	
	Professional Elective Course (PEC)-III (2025-26)	3	-	-	-	-	-	-	-	-	-	-	
	Professional Elective Course (PEC)-IV (2025-26)	3	-	-	-	-	-	-	-	-	-	-	
	Total	20	9	2	0								350

Semester - 2 : Mandatory Course (MNC)-II (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03020002M C01	Pedagogy Studies	0	2	-	-	-	-	50	-	-	25	-	50
03020002M C02	Personality Development through Life Enlightenment Skills	0	2	-	-	-	-	50	-	-	25	-	50
03023302M C01	Indian Cyber Law and Ethics	0	2	-	-	-	-	50	-	-	25	-	50

Semester - 2 : Multidisciplinary Open Professional Electives Course (MOPEC)-I (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03020202UE01	Augmented Reality and Virtual Reality	4	4	-	-	20	-	20	60	-	50	-	100
03020202UE02	Cyber Physical Systems	4	4	-	-	20	-	20	60	-	50	-	100
03020202UE03	Social Networking	4	4	-	-	20	-	20	60	-	50	-	100
03020502UE01	Business Analytics	4	4	-	-	20	-	20	60	-	50	-	100
03020602UE01	Industrial Safety	4	4	-	-	20	-	20	60	-	50	-	100
03020702UE01	IOT and Smart Cities	4	4	-	-	20	-	20	60	-	50	-	100

Semester - 2 : Professional Elective Course (PEC)-III (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021602PE01	Project Risk Management	3	3	0	0	20	-	20	60	-	50	-	100
03021602PE03	Lean Construction Tools and Techniques	3	3	0	0	20	-	20	60	-	50	-	100
03021602PE05	Application of BIM in Construction Management	3	3	0	0	20	-	20	60	-	50	-	100

Semester - 2 : Professional Elective Course (PEC)-IV (2025-26)

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
03021602PE07	Cost Management of Engineering Projects	3	3	0	0	20	-	20	60	-	50	-	100
03021602PE09	Integrated Risk Management	3	3	0	0	20	-	20	60	-	50	-	100
03021602PE11	Project Economics	3	3	0	0	20	-	20	60	-	50	-	100

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

Theory Passing % : 50 Practical Passing % : 50