First Year Teaching Scheme

Admission year 2026-27

Bachelor of Technology
Aeronautical 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.**	
4.5	03010101PC01	Introduction to Aerospace Engineering	4	3	2	-	20	20	20	60	30	40	25	150
	03019101BS02	Calculus and Linear Algebra	4	4	0	0	20	-	20	60	-	40	-	100
	03019201BS02	Physics of Wave and Motion	4	3	2	-	20	20	20	60	30	40	25	150
	03010901ES01	Elements of Mechanical Engineering	4	3	2	0	20	20	20	60	30	40	25	150
	03010901ES02	Engineering Graphics & Design	4	2	4	-	20	20	20	60	30	40	25	150
	03010001HM01	Principles of Communication Skills	1	-	2	-	-	20	0	-	30			50
	03019101MC01	Student Induction Program with essence of Indian Knowledge System - 3 weeks	-	1	-	-	-	-	50	-	-	20	-	50
		Total credits	**21**	**16**	**12**									**800**

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

Theory Passing % : 40 Practical Passing % : 50

Semester – 2

				Teaching Scheme (Hours / Week)			Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
NCrF Credit Level	**Subject Code**	**Subject Name**	**Credit**	**Lect**	**Lab**	**Tut**	**T**	**P**	**CE**	**T**	**P**	**Int.+Ext.**	**Int.+Ext.**	
	03010102PC01	Basic Engineering Thermodynamics	4	3	-	1	20	-	20	60	-	40	-	100
	03M10002UE01	Privacy and Security in Online Social-Media	3	3	-	-	-	-	40	60	-			100
	06M10102UE02	Indian Economy: Some Contemporary Perspectives	3	3	-	-	-	-	40	60	-			100
	03M10002UE02	Design, Technology and Innovation	3	3	-	-	-	-	40	60	-			100
	06M10502UE03	Intellectual Property	3	3	-	-	-	-	40	60	-			100
	06M10202UE01	Principles of Management	3	3	-	-	-	-	40	60	-			100
	03019102BS02	Differential Equations and Vector Calculus	4	4	0	0	20	-	20	60	-	40	-	100
4.5	03010601ES01	Basic Electrical Engineering	4	3	2	0	20	20	20	60	30	40	25	150
	03010501ES01	Programming for problem solving	4	3	2	-	20	20	20	60	30	40	25	150
	03010002HM01	Advanced Communication and Interpersonal Skills	2	1	2	-	40	20	0	60	30			150
	03010002MC01	Environmental Science	-	1	-	-	-	-	50	-	-	20	-	50
	03010102EX01	Aircraft Component design using CAD tools												
		3D Printing and Design (Swayam+, NcRF 4.5)												
		Industrial Training												
		Total credits	**21**	**18**	**6**									**800**

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

Theory Passing % : 40 Practical Passing % : 50