



PARUL UNIVERSITY

WAGHODIA, VADODARA

Subject Teaching Scheme

Course: Diploma | **Curriculum:** ENGG & TECH - Diploma – IT.

Semester – 1

Subject	Credit	Lecture	Lab	Tutorial
Mathematics-1	3	2	0	1
Communication Skills - I	3	2	2	0
C Programming	4	2	4	0
Introduction To IT Systems	3	1	4	0
Environment Science	0	2	0	0
Basic Physics	4	3	2	0
Applied Chemistry	4	3	2	0
Sports And Yoga	1	0	2	0
TOTAL	22	15	16	1

Semester - 2

Subject	Credit	Lecture	Lab	Tutorial
Mathematics-2	4	3	0	1
Advanced Computer Programming	4	2	4	0
Scripting Language (Python)	4	2	4	0
Engineering Graphics Lab	2	0	4	0
Communication Skill-Ii	0	2	0	0
Fundamentals Of Electrical And Electronics Engineering	4	2	2	1
Engineering Workshop Practice	1	0	2	0
TOTAL	19	11	16	2



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Semester – 3

Subject	Credit	Lecture	Lab	Tutorial
Data Structures	3	2	2	0
Operating Systems	3	2	2	0
Programming With C++	3	2	2	0
Software Engineering	3	3	0	0
Summer Internship-1	2	0	0	0
TOTAL	14	9	6	0

Semester – 3 Open Elective 1

Subject	Credit	Lecture	Lab	Tutorial
Renewable Energy Technologies	3	3	0	0
Project Management	3	3	0	0



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Semester - 4

Subject	Credit	Lecture	Lab	Tutorial
Introduction To DBMS	3	2	2	0
Computer Networks	3	2	2	0
Programming With Java	3	2	2	0
Computer Graphics	3	2	2	0
Minor Project	2	0	4	0
Essence Of Indian Knowledge And Tradition	0	2	0	0
TOTAL	14	10	12	0

Semester – 4 Programme Elective 1

Subject	Credit	Lecture	Lab	Tutorial
Software Testing	4	3	2	0
Network Forensics	4	3	2	0



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Semester - 5

Subject	Credit	Lecture	Lab	Tutorial
IOT	3	2	0	1
Relational Database Management System	4	3	2	0
Fundamental Of Web Technology	3	2	2	0
Summer Internship-2	3	0	0	0
Major Project	1	0	2	0
TOTAL	14	7	6	1

Semester – 5 Programme Elective 2

Subject	Credit	Lecture	Lab	Tutorial
Data Sciences: Data Warehousing And Data Mining	4	3	0	1
FOSS (Free And Open Source Software)	4	3	0	1

Semester – 5 Open Elective 2

Subject	Credit	Lecture	Lab	Tutorial
Soft Computing Techniques	3	3	0	0
Product Design	3	3	0	0



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Semester - 6

Subject	Credit	Lecture	Lab	Tutorial
Network Security	3	2	2	0
Web Application Technologies	3	2	2	0
Major Project	3	0	6	0
Seminar	1	1	0	0
Entrepreneurship And Start-Ups	4	3	0	1
Indian Constitution	0	2	0	0
TOTAL	14	10	10	1

Semester – 6 Programme Elective 3

Subject	Credit	Lecture	Lab	Tutorial
Mobile Computing	4	3	2	0
Multimedia Technologies	4	3	2	0

Semester – 6 Open Elective 3

Subject	Credit	Lecture	Lab	Tutorial
Artificial Intelligence & Machine Learning	3	3	0	0
Disaster Management	3	3	0	0