

Government Polytechnic Waghai
Computer Department
Course Curriculum

Name of Course	Type	Period (Years)	Intake	Year of Starting
Computer Engineering	Diploma	3	60	2006

Semester 1				
Code	Course Name	Theory	Tutorial	Practical
3300001	BASICS MATHEMATICS	2	2	0
3300002	ENGLISH	3	2	0
3300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	4	0	0
3310701	COMPUTER PROGRAMMING	3	0	4
3310702	FUNDAMENTAL OF DIGITAL ELECTRONICS	3	0	2
3310703	FUNDAMENTAL COMPUTER APPLICATION	0	0	4
Semester 2				
Code	Course Name	Theory	Tutorial	Practical
1990002	INTEGRATED PERSONALITY DEVELOPMENT COURSE	4	0	0
3300005	BASIC PHYSICS (GROUP-2)	3	0	2
3320002	ADVANCED MATHEMATICS (GROUP-1)	2	2	0
3320701	BASIC ELECTRONICS	3	0	2
3320702	ADVANCED COMPUTER PROGRAMMING	3	0	4
3320703	STATIC WEB PAGE DESIGNING	0	0	4
Semester 3				
Code	Course Name	Theory	Tutorial	Practical
3330701	OPERATING SYSTEMS	3	0	2
3330702	PROGRAMMING IN C++	3	2	2
3330703	DATABASE MANAGEMENT SYSTEM	3	2	2
3330704	DATA STRUCTURES	3	2	2
3330705	MICROPROCESSOR AND ASSEMBLY LANGUAGE PROGRAMMING	3	0	2

Semester 4				
Code	Course Name	Theory	Tutorial	Practical
3340701	ADVANCED DATABASE MANAGEMENT SYSTEM	3	0	4
3340702	COMPUTER NETWORKS	3	0	2
3340704	.NET PROGRAMMING	3	0	4
3340705	COMPUTER ORGANIZATION AND ARCHITECTURE	3	0	0
3340706	WEB DEVELOPMENT TOOLS	0	0	4
3341603	FUNDAMENTALS OF SOFTWARE DEVELOPMENT	3	0	2

Semester 5				
Code	Course Name	Theory	Tutorial	Practical
3350701	COMPUTER MAINTENANCE AND TROUBLE SHOOTING	3	0	2
3350702	DYNAMIC WEB PAGE DEVELOPMENT	3	0	4
3350703	JAVA PROGRAMMING	3	0	4
3350704	COMPUTER AND NETWORK SECURITY	3	0	4
3350706	PROJECT - I	0	0	4

Semester 6				
Code	Course Name	Theory	Tutorial	Practical
3360701	ADVANCE JAVA PROGRAMMING	3	0	4
3360702	PROFESSIONAL PRACTICES USING DATABASE	0	0	4
3360703	NETWORKING MANAGEMENT & ADMINISTRATION	3	0	4
3360704	MOBILE COMPUTING AND APPLICATION DEVELOPMENT	3	0	4
3360707	PROJECT-II	0	0	6