

**BOARD OF TECHNICAL EDUCATION, GOA STATE  
PROGRAMME STRUCTURE-13 COMPUTER ENGG.**

Sr. No.	E/C	SUBJ. CODE	SUBJECT NAME	SUBJECT HEADS			EXAMINATION SCHEME				
				TH	PR	TW	MAX TH	MAX TEST	MAX PR	MAX TW	TOTAL
<b>SEMESTER I</b>											
1	C	GN101	COMM SKILLS	0	1	1	0	0	50	50	100
2	C	GN102	ENGG MATHS - I	1	0	0	75	25	0	0	100
3	C	GN103	APPLIED PHYSICS - I	1	0	1	75	25	0	50	150
4	C	GN104	APPLIED CHEMISTRY	1	0	1	75	25	0	50	150
5	C	GN204	ENGG. DRAWING	0	1	1	0	0	50	50	100
<b>SEMESTER II</b>											
1	C	GN105	COMP. FUND. & APP.	0	1	1	0	0	50	50	100
2	C	GN106	BASIC ENGG SKILLS	0	1	1	0	0	50	100	150
3	C	GN201	ENGG MATHS - II	1	0	0	75	25	0	0	100
4	C	GN202	APPLIED PHYSICS - II	1	0	1	75	25	0	50	150
5	C	GN203	ENVIRONMENTAL STUDIES	1	0	0	75	25	0	0	100
6	C	GN205	ENGG. MATERIALS	1	0	0	75	25	0	0	100
<b>SEMESTER III</b>											
1	C	CO301	COMPUTER HARDWARE	1	1	1	75	25	50	25	175
2	C	CO302	PROGRAMMING CONCEPTS THROUGH C	1	1	1	75	25	50	25	175
3	C	CO303	COMPUTER ORGANIZATION	1	0	0	75	25	0	0	100
4	C	CO304	COMPUTER LABORATORY - I	0	1	1	0	0	50	25	75
5	C	CS304	BASIC ELECTRICAL ENGG.	1	0	1	75	25	0	25	125
6	C	CS309	DIGITAL ELECTRONICS	1	1	1	75	25	50	25	175
<b>SEMESTER IV</b>											
1	C	CO401	MICROPROCESSORS & ITS APPLIC.	1	0	1	75	25	0	25	125
2	C	CO402	INTRO. TO DATABASE MGT. SYSTEM	1	1	1	75	25	50	25	175
3	C	CO403	OBJECT ORIENTED PROG THR. JAVA	1	1	1	75	25	50	25	175
4	C	CO404	OPERATING SYSTEMS	1	0	1	75	25	0	25	125
5	C	CO405	DATA COMM. & COMP. NETWORKS	1	0	1	75	25	0	25	125
6	C	CO406	COMPUTER LABORATORY - II	0	1	1	0	0	50	25	75
<b>SEMESTER V</b>											
1	C	CO501	COMPUTER SECURITY	1	0	1	75	25	0	25	125
2	C	CS501	ENTREPRENEURSHIP DEVELOPMENT	0	0	1	0	0	0	50	50
3	C	EN612	INTERNET TECH. & WEB DESIGN	1	1	1	75	25	25	25	150
4	C	IT501	INDUSTRIAL TRAINING	0	1	1	0	0	30	70	GRADE
5	E1	CO511	DATA STRUCTURE USING C	1	1	1	75	25	25	25	150
6	E1	CO512	INTRO. TO MICROCONTROLLERS	1	1	1	75	25	25	25	150
7	E1	CO513	PRINCIPLES OF MULTIMEDIA	1	1	1	75	25	25	25	150
8	E1	EN614	E COMMERCE	1	1	1	75	25	25	25	150
<b>ANY ONE OF E1</b>											
<b>SEMESTER VI</b>											
1	C	CO601	NETWORK MANAGEMENT	1	1	0	75	25	25	0	125
2	C	CO602	SOFTWARE ENGG. & TESTING	1	1	1	75	25	25	25	150
3	C	CO603	PROJECT	0	1	1	0	0	50	50	100
4	C	CS602	BUSINESS COMMUNICATION	0	1	1	0	0	50	50	100

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5	E2	CO611	ADVANCE COMPUTER ARCHITECTURE	1	1	1	75	25	25	25	150
6	E2	CO612	COMPUTER GRAPHICS	1	1	1	75	25	25	25	150
7	E2	CO613	COMP. FORENSICS & CYBER LAWS	1	1	1	75	25	25	25	150
8	E2	CO614	EMBEDDED SYSTEMS DESIGN	1	1	1	75	25	25	25	150
9	E2	CO615	MOBILE COMPUTING	1	1	1	75	25	25	25	150
10	E2	IE6**	INSTITUTIONAL ELECTIVE	1	1	1	75	25	25	25	150
<b>ANY TWO OF E2</b>											