

Annexure – I

GOA UNIVERSITY
FINAL YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING
(Revised in 2007-08)
SCHEME OF INSTRUCTION AND EXAMINATION

SEMESTER VII

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
CE 7.1LT	Language Translators	3	1	2	3	100	25	-	25	150
CE 7.2CN	Computer Networks	3	1	2	3	100	25	-	25	150
CE 7.3DSP	Digital Signal Processing	3	1	2	3	100	25	-	50	175
CE 7.4	Elective I	3	1	2	3	100	25	-	50	175
CE 7.5	Elective II	3	1	0	3	100	25	-	-	125
CE 7.6	Project	-	-	4	-	-	25	-	50*	75
	TOTAL	15	05	12		500	150	-	200	850

***25 Sessional marks will be split as follows:**

20 marks are for the Internal Test

5 marks are for continuous evaluation of Practicals/Assignments

*Seminar & Project Oral

Electives: A student must take One Elective from each Group.

Group I: Subjects for CE 7.4

- a) VLSI Design
- b) Software Development Frameworks(J2EE/.NET)
- c) Fuzzy Logic and Neural Networks
- d) Web Technologies

Group II: Subjects for CE 7.5

- a) Data Compression
- b) Geographical Information Systems.
- c) Bio Informatics
- d) Project Management and Quality Assurance

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SEMESTER VIII

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
CE 8.1ADSA	Advanced Data Structures and Algorithms	3	1	2	3	100	25	-	50	175
CE 8.2CCNS	Computer Cryptography and Network Security	3	1	2	3	100	25	-	50	175
CE 8.3	Elective III	3	1	2	3	100	25	-	50	175
CE 8.4	Elective IV	3	1	2	3	100	25	-	50	175
CE 8.5	Project	-	-	8	-	-	50	-	100*	150
	TOTAL	12	04	16	-	400	150	-	300	850

25 Sessional marks will be split as follows:

20 marks are for the Internal Test

5 marks are for continuous evaluation of Practicals/Assignments

*Seminar, demonstration & Oral

Electives: A student must take One Elective from each Group.**Group III: Subjects for CE 8.3**

- a) Embedded System Design
- b) Multimedia Systems
- c) Distributed Operating Systems
- d) Data Mining
- e) Web Services

Group VI: Subjects for CE 8.4

- a) Genetic Algorithms
- b) Image Processing
- c) Mobile Computing
- d) Machine Vision and Learning