SECOND/THIRD YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER III

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
					Th.Dur	Marks				
		L	т	Р	(Hrs)	Th.	S	Р	0	Total
CE3.1 AM3	Applied Mathematics-III	3	1	0	3	100	20+5	-	-	125
CE3.2BC++	Basics of C++	3	1	2	3	100	20+5	50	-	175
CE3.3PPL	Principles of Programming Languages	3	0	2	3	100	20+5	-		125
CE3.4CONT	Computer Oriented Numerical Techniques	3	1	2	3	100	20+5	-	-	125
CE3.5LD	Logic Design	3	1	2	3	100	20+5	50	-	175
CE3.6IE	Integrated Electronics	3	1	2	3	100	20+5	-	-	125
TOTAL		18	05	10	-	600	150	100	0	850

L-lecture, T: Tutorials, P-Practical Th.Dur: Duration of the Paper Th: Theory, S: Sessional, P:Practical,O: Oral

25 Sessional marks will be split as follows: 20 marks are for the Internal Test. 5 marks are for continuous evaluation of Practicals/Assignments

SECOND/THIRD YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER IV

Sub Code	Subject		cheme structi rs/We	on	Scheme Of Examination						
					Th.Dur		Γ	Marks			
		L	т	Р	(Hrs)	Th.	S	Р	0	Total	
CE4.1 DM3	Discrete mathematical Structures	3	1	0	3	100	20+5	-	-	125	
CE4.2DS	Data Structure	3	1	2	3	100	20+5	50	-	175	
CE4.3CO	Computer Organization	3	1	2	3	100	20+5	-		125	
CE4.4EM	Electronic Measurements	3	1	0	3	100	20+5	-	-	125	
CE4.5SAD	System Analysis and Design	3	1	2	3	100	20+5	-	-	125	
CE4.600PC	Object Oriented Programming And Design Using C++	3	1	2	3	100	20+5	50	-	175	
	TOTAL	18	06	8	-	600	150	100	0	850	

L-lecture, T: Tutorials, P-Practical Th.Dur: Duration of the Paper Th: Theory, S: Sessional, P: Practical,O: Oral

25 Sessional marks will be split as follows:

20 marks are for the Internal Test. 5 marks are for continuous evaluation of Practicals/Assignments

THIRD YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER V

Sub Code	Subject		cheme structi rs/We	on	Scheme Of Examination					
					Th.Dur		ſ	Marks		
		L	Т	Р	(Hrs)	Th.	S	Р	0	Total
CE 5.1	Organizational Behaviour and Cyber Law	3	0	0	3	100	20+5	-	-	125
CE 5.2	Automata Language and Computation	3	0	2	3	100	20+5	-	-	125
CE 5.3	Microprocessors and Microcontrollers	3	1	2	3	100	20+5	50		175
CE 5.4	Computer Hardware Design	3	1	2	3	100	20+5	-	-	125
CE 5.5	Database Management System	3	1	2	3	100	20+5	50	-	175
CE 5.6	Operating Systems	3	1	2	3	100	20+5	-	-	125
	TOTAL	18	04	10	-	600	150	100	-	850

L-lecture, T: Tutorials, P-Practical Th.Dur: Duration of the Paper Th: Theory, S: Sessional, P: Practical, O: Oral

25 Sessional marks will be split as follows:

20 marks are for the Internal Test.

5 marks are for continuous evaluation of Practicals/Assignments

THIRD YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER VI

Sub Code	Subject		cheme structi rs/We	on	Scheme Of Examination					
					Th.Dur		Γ	Marks		
		L	т	Р	(Hrs)	Th.	S	Р	0	Total
CE 6.1	Modern Algorithm Design Foundation	3	0	0	3	100	20+5	-	-	125
CE 6.2	Object Oriented Software Engineering	3	0	2	3	100	20+5	-	-	125
CE 6.3	Artificial Intelligence	3	1	2	3	100	20+5	50		175
CE 6.4	Computer Graphics	3	1	2	3	100	20+5	50	-	175
CE 6.5	Device Interface and PC Maintenance	3	1	2	3	100	20+5	-	-	125
CE 6.6	Data Communications	3	1	2	3	100	20+5	-	-	125
	TOTAL	18	04	10	-	600	150	100	-	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

Th: Theory, S: Sessional, P: Practical, O: Oral.

25 Sessional marks will be split as follows:

20 marks are for the Internal Test.

5 marks are for continuous evaluation of Practicals/Assignments

<u>GOA UNIVERSITY</u> FINAL YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER VII

Sub Code	Subject	In	cheme structi rs/We	on	Scheme Of Examination					
					Th.Dur					
		L	Т	Р	(Hrs)	Th.	S	Р	0	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) VISI Design
- b) Software Development Frameforks (J2EE/NET)
- c) Fuzzy Logic and Neural Networks
- d) Web Technologies

Group II: Subjects for CE 7.5

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

<u>GOA UNIVERSITY</u> FINAL YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING (REVISED IN 2007-08) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER VIII

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination						
		۱.			Th.Dur Marks						
			т	Р	(Hrs)	Th.	S	Р	0	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 & Project Oral

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

Group III: Subject for CE 8.3

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

Group VI: Subject for CE 8.4

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