ANNEXTURE I

GOA UNIVERSITY

SECOND YEAR OF BACHELOR'S DEGREE COURSE IN COMPUTER ENGINEERING

(Revised in 2007-08)

SCHEME OF INSTRUCTION AND EXAMINATION

SEMESTER III

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
CE3.1AM3	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-Lectures, T-Tutorials P-Practicals

Th-.Dur.- Duration of Theory 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

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

SEMESTER IV

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	Total
CE4.1DMS	Discrete Mathematical structures	3	1	0	3	100	20+5	-	-	125
CE4.2DS	Data Structures	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
CE4.6OOPC	Object Oriented Programming And Design using C++	3	1	2	3	100	20+5	50	-	175
	TOTAL	18	06	8	-	600	150	100	-	850

L-Lectures, T-Tutorials P-Practicals
Th-.Dur.- Duration of Theory paper
Th-Theory, S-Sessional, P-Pracital, 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

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

SEMESTER V

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	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-Lectures, T-Tutorials P-Practicals
Th-.Dur.- Duration of Theory paper
Th-Theory, S-Sessional, P-Pratical, 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

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

SEMESTER VI

Sub Code	Subjects	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P	Th. Dur (Hrs)	Marks				
						Th.	S	P	O	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-Lectures, T-Tutorials P-Practicals
Th-.Dur.- Duration of Theory paper
Th-Theory, S-Sessional, P-Pratical, 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

Annexture – 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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SCHEME OF INSTRUCTION AND EXAMINATION

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