

GOA UNIVERSITY

SECOND/THIRD YEAR OF BACHELOR'S DEGREE COURSE IN ELECTRONICS &
TELECOMMUNICATION ENGINEERING
(REVISED IN 2007-08)

SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER III

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
ETC 3.1	Applied Mathematics-III	4	0	-	3	100	25	-	-	125
ETC 3.2	Digital System Design	4	0	2	3	100	25	50	-	175
ETC 3.3	Network Analysis and Synthesis	3	1	2	3	100	25	-		125
ETC 3.4	Electronic Devices and Circuits	3	1	2	3	100	25	50		175
ETC 3.5	Managerial Economics	4	0	-	3	100	25	-	-	125
ETC 3.6	Computer Oriented Numerical Techniques	4	0	2	3	100	25	-	-	125
TOTAL		22	2	8	-	600	150	100		850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

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

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SEMISTER IV

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
ETC 4.1	Applied Mathematics-IV	4	0	-	3	100	25	-	-	125
ETC 4.2	Signals and Systems	3	1	2	3	100	25	-	50	175
ETC 4.3	Electrical Technology	4	0	2	3	100	25	-		125
ETC 4.4	Electromagnetic Fields and Waves	3	1	-	3	100	25	-		125
ETC 4.5	Linear Integrated circuits	4	0	2	3	100	25	50	-	175
ETC 4.6	Data Structures using C++	4	0	2	3	100	25	-	-	125
TOTAL		22	2	8	-	600	150	50	50	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

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

GOA UNIVERSITY

THIRD YEAR OF BACHELOR'S DEGREE COURSE IN ELECTRONICS &
TELECOMMUNICATION ENGINEERING
(REVISED COURSE 2007)
SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER V

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
ETC 5.1	Probability Theory and Random Processes	4	0	-	3	100	25	-	-	125
ETC 5.2	Electronic Instrumentation	4	0	2	3	100	25	-	-	125
ETC 5.3	Analog Communication	4	0	2	3	100	25	-	50	175
ETC 5.4	Microprocessors	4	0	2	3	100	25	-	50	175
ETC 5.5	Digital Signal Processing	3	1	2	3	100	25	-	-	125
ETC 5.6	Transmission Lines and Waveguides	4	0	-	3	100	25	-	-	125
TOTAL		23	1	8		600	150		100	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

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SECOND/THIRD YEAR OF BACHELOR'S DEGREE COURSE IN ELECTRONICS &
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SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER VI

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
ETC 6.1	Digital Communication	4	0	2	3	100	25	-	50	175
ETC 6.2	Peripheral Devices and Interfacing	4	0	2	3	100	25	-	-	125
ETC 6.3	Power Electronics	4	0	2	3	100	25	-	-	125
ETC 6.4	Antenna and wave Propagation	4	0	-	3	100	25	-	-	125
ETC 6.5	Control System Engineering	3	1	-	3	100	25	-	-	125
ETC 6.6	VLSI Technology and Design	4	0	2	3	100	25	-	50	175
TOTAL		23	1	8		600	150		100	850

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

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

GOA UNIVERSITY

FINAL AND/FOURTH YEAR OF BACHELOR'S DEGREE COURSE IN ELECTRONICS & TELECOMMUNICATION ENGINEERING (REVISED IN 2007) SCHEME OF INSTRUCTION AND EXAMINATION

SEMISTER VII

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
ETC 7.1	Data Communication	4	0	2	3	100	25	-	50	175
ETC 7.2	Microwave and radar Engineering	4	0	2	3	100	25	-	50	175
ETC 7.3	Optical Fiber Communication	4	0	2	3	100	25	-	-	125
ETC 7.4	Elective-I	4	0	2	3	100	25	-	50	175
ETC 7.5	Elective-II	4	0	0	3	100	25	-	-	125
ETC 7.6	Project Seminar	0	0	4	-	-	25	-	50*	75
TOTAL		20	0	12	-	500	150	-	200	850

* Seminar & Orals

SEMISTER VIII

Sub Code	Subject	Scheme of Instruction Hrs/Week			Scheme Of Examination					
		L	T	P	Th.Dur (Hrs)	Marks				
						Th.	S	P	O	Total
8.1	Satellite & Television Engineering	4	0	2	3	100	25	-	50	175
8.2	Elective-III	4	0	2	3	100	25	-	50	175
8.3	Elective- IV	4	0	2	3	100	25	-	50	175
8.4	Project	0	0	12	-	-	75	-	125**	200
TOTAL		12	0	18	-	300	150	-	275	725

L-lecture, T: Tutorials, P-Practical

Th.Dur: Duration of the Paper

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

Elective	Subject Code	Subject Name
I	7.4.1	Embedded Systems
	7.4.2	Operating Systems
	7.4.3	Hardware Description Language
	7.4.4	Virtual Instrumentation
	7.4.5	Wavelets and Multirate Digital Signal Processing
	7.4.6	Electronic Circuits: Design, Simulation and Testing
	7.4.7	Introduction to Java and J2EE
	7.4.8	Optical Computing
	7.4.9	Process Control Instrumentation
II	7.5.1	Mobile Communication Systems
	7.5.2	Artificial Neural Network
	7.5.3	Secure Communications
	7.5.4	Nanoelectronics
	7.5.5	Optical Networking
	7.5.6	Adaptive Signal Processing
III	8.2.1	Consumer Electronics
	8.2.2	Speech Signal Processing
	8.2.3	Mobile Computing
	8.2.4	Introduction to Robotics
	8.2.5	ASIC Design and FPGA
	8.2.6	Microwave Networks and Applications
	8.2.7	Error Control Coding
IV	8.3.1	E-Commerce
	8.3.2	Bio-medical Electronics and Instrumentation
	8.3.3	Digital Image Processing
	8.3.4	Electromagnetic Interference/Electromagnetic Compatibility
	8.35	Ad-hoc Wireless Networks
	8.3.6	Global System for Mobile Communication
	8.3.7	Mobile Phone Programming