

Bachelor of Technology (Electronics and Communication Engg.)
Scheme of Courses/Examination
(III - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess	P/VV	Tot		
1	HUT-211	Organizational Behaviour	2	1	-	3	60	40	-	100	3	2.5
2	ECT-201	Semiconductor Devices & Applications	4	2	-	6	60	40	-	100	3	5
3	ECT-203	Network Analysis & Synthesis	3	2	-	5	60	40	-	100	3	4
4	ECT-205	Fields & Waves	4	1	-	5	60	40	-	100	3	4.5
5	ECT-207	Signals & Systems	4	2	-	6	60	40	-	100	3	5
6	ECT-209	Digital Circuits & Systems	3	2	-	5	60	40	-	100	3	4
7	ECT-211	Electronics Devices & Circuits(Pr)	-	-	2	2	-	60	40	100	3	1
8	ECT-213	Internet Applications (Pr)	-	-	3	3	-	60	40	100	3	1.5
Total			20	10	5	35	360	360	80	800		27.5

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Scheme of Courses/Examination
(IV - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess.	P/VV	Tot		
1	MAT-202	Mathematics-III	3	1	-	4	60	40	-	100	3	3.5
2	ECT-202	Analog Electronics	4	1	-	5	60	40	-	100	3	4.5
3	ECT-204	Analog Communication	4	2	-	6	60	40	-	100	3	5
4	ECT-206	Instrumentation & Measurement	4	1	-	5	60	40	-	100	3	4.5
5	ECT-208	Control Systems	4	2	-	6	60	40	-	100	3	5
6	ECT-210	Electronic Circuit Simulation (Pr)	-	-	4	4	-	60	40	100	3	2
7	ECT-212	Communication-I (Pr)	-	-	3	3	-	60	40	100	3	1.5
8.	ECT-214	Electronic Circuits (Pr)	-	-	2	2	-	60	40	100	3	1
Total			19	7	9	35	300	380	120	800		27.0

NOTE: Students will undergo a practical training of 6 weeks duration after the 4th semester examination.

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(V - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess	P/VV	Tot		
1	ECT-301	Antenna and Wave Propagation	3	1	-	4	60	40	-	100	3	3.5
2	ECT-303	Computer Architecture & Organization	3	2	-	5	60	40	-	100	3	4.0
3	ECT-305	Information Theory and Coding	3	2	-	5	60	40	-	100	3	4.0
4	ECT-307	Linear IC Applications	3	2	-	5	60	40	-	100	3	4.0
5	ECT-309	Micro-Electronics	3	2	-	5	60	40	-	100	3	4.0
6	ECT-311	Microprocessors	3	2	-	5	60	40	-	100	3	4.0
7	ECT-313	Communication-II (Pr)	-	-	2	2	-	60	40	100	3	1.0
8	ECT-315	Microprocessors (Pr)	-	-	3	3	-	60	40	100	3	1.5
9	ECT-317	Seminar	-	1	-	1	-	100	-	100	-	1.0
10	ECT-319	Training Report	-	-	-	-	-	100	-	100	-	3.0
Total			18	12	5	35	360	560	80	1000		30.0

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(VI - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess	P/VV	Tot		
1	HUT-311	Business Management	3	1	-	4	60	40	-	100	3	3.5
2	ECT-302	Microwave Engineering	3	2	-	5	60	40	-	100	3	4.0
3	ECT-304	VHDL & Digital Design	3	1	-	4	60	40	-	100	3	3.5
4	ECT-306	Digital Signal Processing	3	2	-	5	60	40	-	100	3	4.0
5	ECT-308	Digital Communication	3	2	-	5	60	40	-	100	3	4.0
6	ECT-310	Computer Communication Networks	3	1	-	4	60	40	-	100	3	3.5
7	ECT-312	Digital Communication (Pr)	-	-	2	2	-	60	40	100	3	1.0
8	ECT-314	Electronic Design (Pr)	-	-	3	3	-	60	40	100	3	1.5
9	ECT-316	VHDL (Pr)	-	-	2	2	-	60	40	100	3	1.0
10	ECT-318	Seminar	-	1	-	1	-	100	-	100	-	1.0
Total			18	10	7	35	360	520	120	1000		27.0

NOTE: Students will undergo a practical training of 6 weeks duration after the 6th Semester exam.

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Scheme of Courses/Examination
(VII - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess	P/VV	Tot		
1	-	Open Elective-I	3	1	-	4	60	40	-	100	3	3.5
2	-	Departmental Electives-I	3	1	-	4	60	40	-	100	3	3.5
3	ECT-401	Practical Training Report	-	-	-	-	-	100	-	100	-	3.0
4	ECT-403	Physical Design of Digital IC's	3	1	-	4	60	40	-	100	3	3.5
5	ECT-405	Television & Radar Engineering	3	1	-	4	60	40	-	100	3	3.5
6	ECT-407	Optical Communication	3	1	-	4	60	40	-	100	3	3.5
7	ECT-409	Electronic Switching Systems	3	1	-	4	60	40	-	100	3	3.5
8	ECT-411	Digital Signal Processing (Pr)	-	-	2	2	-	60	40	100	3	1.0
9	ECT-413	Minor Project	-	-	3	3	-	60	40	100	3	4.5
10	ECT-415	Seminar	-	1	-	1	-	100	-	100	-	1.0
Total			18	7	5	30	360	560	80	1000		30.5

DEPARTMENTAL ELECTIVES:

1. ECT-417 Micro-controllers
2. ECT-419 Bio-medical Signal Processing
2. ECT-421 Reliability
3. ECT-423 Advanced Microprocessors
4. ECT-425 Industrial Electronics
5. ECT-427 Analog MOS IC Design
6. ECT-429 Introduction to Information Technology
7. ECT-441 Biometric Security
8. ECT-443 Computer Crime Investigation & Forensics
9. ECT-445 Data Structures

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(VIII - SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P	Tot	Th	Sess	P/VV	Tot		
1	-	Open Elective-II	4	-	-	4	60	40	-	100	3	3.5
2	-	Departmental Electives-II	3	1	-	4	60	40	-	100	3	3.5
3	ECT-402	Comprehensive Viva-Voce	-	-	-	-	-	100	-	100	-	3.0
4	ECT-404	General Fitness & Professional Aptitude	-	-	-	-	-	-	100	100	3	3.0
5	ECT-406	Wireless and Mobile Communication	3	1	-	4	60	40	-	100	3	3.5
6	ECT-408	Cryptography	3	1	-	4	60	40	-	100	3	3.5
7	ECT-410	Neuro-Fuzzy Systems	3	1	-	4	60	40	-	100	3	3.5
8	ECT-412	Seminar	-	1	-	1	-	100	-	100	-	1.0
9	ECT-414	Microwave (Pr)	-	-	3	3	-	60	40	100	3	1.5
10	ECT-416	Audio Visual Electronics (Pr)	-	-	2	2	-	60	40	100	3	1.0
11	ECT-418	Major Project	-	-	4	4	-	60	40	100	-	8.0
Total			15	6	9	30	300	580	220	1100		35.0

DEPARTMENTAL ELECTIVES

1. ECT-420 Network Management and Security
2. ECT-422 Image Processing
1. ECT-424 Simulation Modeling and Analysis of Communication Systems.
2. ECT-426 Artificial Intelligence and Expert Systems.
3. ECT-428 Software Engineering
4. ECT-430 Advanced Control Systems
5. ECT-432 Principles of Operating Systems
6. ECT-434 Nanotechnology