

Bachelor of Technology (Computer Engineering.)
Scheme of Courses/Examination
(3rd SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P/D	Tot	Th	Sess	P/VV	Tot		
1	HUT-211	Organizational Behaviour	2	1	-	3	60	40	-	100	3	2.5
2	COT-201	Programming Methodology and File Structures	3	1	-	4	60	40	-	100	3	3.5
3	COT-203	Data Structures	4	2	-	6	60	40	-	100	3	5.0
4	COT-205	Computer Organization & Architecture	4	1	-	5	60	40	-	100	3	4.5
5	COT-207	Discrete Structures	3	2	-	5	60	40	-	100	3	4.0
6	COT-209	Digital Electronics	3	2	-	5	60	40	-	100	3	4.0
7	COT-211	Programming Methodology (Pr)	-	-	2	2	-	60	40	100	3	1.0
8	COT-213	Data Structures (Pr)	-	-	3	3	-	60	40	100	3	1.5
9	COT-215	Digital System Design (Pr)	-	-	2	2	-	60	40	100	3	1.0
Total			19	9	7	35				900		27

Bachelor of Technology (Computer Engineering)
Scheme of Courses/Examination
(4th SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P/D	Tot	Th	Sess	P/VV	Tot		
1	COT-202	Object Oriented Programming	3	1	-	4	60	40	-	100	3	3.5
2	COT-204	Programming Languages Concepts	3	1	-	4	60	40	-	100	3	3.5
3	COT-206	Software Engineering	3	1	-	4	60	40	-	100	3	3.5
4	COT-208	Microprocessors I	3	1	-	4	60	40	-	100	3	3.5
5	COT-210	Unix and Linux Programming	3	1	-	4	60	40	-	100	3	3.5
6	MAT-202	Mathematics III	3	1	-	4	60	40	-	100	3	3.5
7	COT-212	Object Oriented Programming (Pr)	-	-	2	2	-	60	40	100	3	1
8	COT-214	Microprocessors I (Pr)	-	-	2	2	-	60	40	100	3	1.0
9	COT-216	Software Engineering (Pr)	-	-	3	3	-	60	40	100	3	1.5
10	COT-218	Unix and Linux Programming (Pr)	-	-	3	3	-	60	40	100	3	1.5
Total			18	7	9	34	1000					26

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

Bachelor of Technology (Computer Engineering)
Scheme of Courses/Examination
5th SEMESTER

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P/D	Tot	Th	Sess	P/VV	Tot		
1	HUT-311	Business Management	3	1	-	4	60	40	-	100	3	3.5
2	COT-301	Design and Analysis of Algorithms	4	1	-	5	60	40	-	100	3	4.5
3	COT-303	Database Systems	3	2	-	5	60	40	-	100	3	4.0
4	COT-341	Analog and Digital Communication	4	1	-	5	60	40	-	100	3	4.5
5	COT-307	Automata Theory	4	2	-	6	60	40	-	100	3	5.0
6	COT-311	Algorithms Design (Pr)	-	-	3	3	-	60	40	100	3	1.5
7	COT-313	Database Systems (Pr)	-	-	3	3	-	60	40	100	3	1.5
8	COT- 315	Software Testing (Pr)	-	-	2	2	-	60	40	100	3	1.0
9	COT-317	Seminar	-	2	-	2	-	-	-	100	-	1.0
10	COT-319	Training Viva	-	-	-	-	-	-	-	100	-	3.0
Total			18	9	8	35				1000		29.5

Bachelor of Technology (Computer Engineering)
Scheme of Courses/Examination
(6th SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P/D	Tot	Th	Sess	P/VV	Tot		
1	-	Departmental Elective I	3	2	-	5	60	40	-	100	3	4.0
2	COT-302	Operating Systems	4	2	-	6	60	40	-	100	3	5.0
3	COT-304	Computer Hardware Technologies	4	1	-	5	60	40	-	100	3	4.5
4	COT-306	Computer Networks	4	1	-	5	60	40	-	100	3	4.5
5	COT-308	Advanced Computer Architecture	4	1	-	5	60	40	-	100	3	4.5
6	COT-312	Operating Systems (Pr)	-	-	3	3	-	60	40	100	3	1.5
7	COT-314	Computer Hardware & Troubleshooting Lab (Pr)	-	-	3	3	-	60	40	100	3	1.5
8	COT-316	Advanced Technologies (Pr)	-	-	3	3	-	60	40	100	3	1.5
Total			19	7	9	35				800		27

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

Departmental Elective I

1. COT-340 Digital Signal Processing
2. COT-342 Multimedia Techniques
3. COT-344 Graph Theory & Combinatorics
4. COT-346 Advanced Database Systems
5. COT-348 Logic of Programming
6. COT-350 Computer Graphics
7. COT-352 Software Quality and Reliability

Bachelor of Technology (Computer Engineering)
Scheme of Courses/Examination
(7th SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)					Duration of Exam (Hours)	Credits
			L	T	P		Tot	Th	Sess	P/V V	Tot		
1		Open elective I	3	1	-		4	60	40	-	100	3	3.5
2	●	Departmental Elective II	3	1	-		4	60	40	-	100	3	3.5
3	COT-401	Internet and Intranet Engineering	3	1	-		4	60	40	-	100	3	4.5
4	COT-403	Microprocessors II	3	1	-		4	60	40	-	100	3	3.5
5	COT-405	Statistical Models for Computer Science	3	1	-		4	60	40	-	100	3	4.0
6	COT-411	Computer Networks Lab (Pr)	-	-	2		2	-	60	40	100	3	1.5
7	COT-413	Microprocessors II (Pr)	-	-	2		2	-	60	40	100	3	1.5
8	COT-415	Minor Project	-	-	5		5	-	60	40	100	3	6.0
9	COT-417	Seminar	-	1	-		1	-			100	-	1.5
10	COT-419	Training Viva	-	-	-		-	-			100	-	3.0
		Total	15	6	9		30				1000		32.5

● **Departmental Elective II**

1. COT-441 Software Project Management
2. COT-443 Fuzzy Logic
3. COT-445 Parallel Computing
4. COT-447 Image Processing
5. COT-449 VLSI Technology
6. COT-479 Security and Cryptography

Bachelor of Technology (Computer Engineering)
Scheme of Courses/Examination

(8th SEMESTER)

Sl. No.	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Duration of Exam (Hours)	Credits
			L	T	P/D	Tot	Th	Sess	P/V V	Tot		
1		Open Elective II	4	-	-	4	60	40	-	100	3	0
2	●	Departmental Electives III	3	1	-	4	60	40	-	100	3	4.0
3	COT-402	Web Engineering	3	1	-	4	60	40	-	100	3	4.5
4	COT-404	Compiler Design	3	1	-	4	60	40	-	100	3	4.5
5	COT-412	Web Engineering (Pr)	-	-	2	2	-	60	40	100	3	1.5
6	COT-414	Major Project	-	-	11	11	-	60	40	100	3	20
7	COT-416	Seminar	-	1	-	1	-	-	-	100	-	1.5
8	COT-418	General Fitness	-	-	-	-	-	-	-	100	-	3
Total			12	5	13	30				800		39

● **Departmental Elective III**

1. COT-440 Distributed Operating Systems
2. COT-442 Software Project Measurement
3. COT-444 Natural Language Processing
4. COT-446 Bio-Informatics
5. COT-450 Software Testing