

Master of Technology
(Computer Engg.)
Scheme of Courses/Examination

(1st Semester)

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Durat of Exam. (Hours)	Credit
			L	T	P/D	Tot	Th	Sess	P/VV	Tot		
1.	MTCOT-101	Advanced Data Structures and Algorithms	3	1	-	4	60	40	-	100	3	4
2.	MTCOT-103	Advanced Computer Architecture	3	1	-	4	60	40	-	100	3	4
3.	MTCOT-105	Software Architecture	3	1	-	4	60	40	-	100	3	4
4.	MTCOT-107	Topics in Computer Networks	3	1	-	4	60	40	-	100	3	4
5.	MTCOT-109	Elective-I	3	1	-	4	60	40	-	100	3	4
6.	MTCOT-111	Laboratory-I	-	-	4	4	-	60	40	100	3	2
Load of the semester						24	Total credits in the semester				22	

(2nd Semester)

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Durat of Exam. (Hours)	Credit
			L	T	P/D	Tot	Th	Ses	P/VV	Tot		
1.	MTCOT-102	Mobile Computing	3	1	-	4	60	40	-	100	3	4
2.	MTCOT-104	Advanced Database Systems	3	1	-	4	60	40	-	100	3	4
3.	MTCOT-106	Natural Language Processing	3	1	-	4	60	40	-	100	3	4
4.	MTCOT-108	Elective-II	3	1	-	4	60	40	-	100	3	4
5.	MTCOT-110	Seminar	-	2	-	2	-	100	-	100	-	1
6.	MTCOT-112	Laboratory-II	-	-	4	4	-	60	40	100	3	2
Load of the semester						22	Total credits in the semester				19	

(3rd Semester)

Sl. No	Course No.	Subject	Teaching Schedule				Examination Schedule (Marks)				Durat.of Exam. (Hours)	Credit
			L	T	P/D	Tot	Th	Ses	P/VV	Tot		
1.	MTCOT-201	Distributed Computing Systems	3	1	-	4	60	40	-	100	3	4
2.	MTCOT-203	Elective-III	3	1	-	4	60	40	-	100	3	4
3.	MTCOT-205	Elective-IV	3	1	-	4	60	40	-	100	3	4
4.	MTCOT-207	Seminar on Dissertation Proposal	-	2	-	2	-	100	-	100	-	2
5.	MTCOT-209	Laboratory-III	-	-	4	4	-	60	40	100	3	2
6.	MTCOT-211	Dissertation (also to continue in IV sem.)	-	-	-	-	-	100	-	100	-	4
Load of the semester						18	Total credits in the semester				20	

(4th Semester)

1.	MTCOT-202	Dissertation (continued from III Sem)										20
Total credits in the semester											20	
Total credits of all the four semesters						81						

The evaluation of the Dissertation may be categorized as “accept”/ “accept with changes”/ “reject”. For successful completion of the M.Tech. in Computer Engg., a student’s dissertation should fall in either “accept” or “accept with changes” category.

List of Elective Courses

Elective-I		Elective-II		Elective-III		Elective-IV	
MTCOT-109		MTCOT-108		MTCOT-203		MTCOT-205	
a	Topics in Internet Technologies	a	Software Project Management	a	Data Mining	a	Query Optimizaton
b	Mobile Ad hoc and Wireless Sensor Networks	b	Agent Systems	b	Embedded Systems	b	Fault Tolerant Computing
c	Multimedia Technologies	c	Functional Programming	c	Machine Translation	c	Knowledge Discovery
d	Real Time System	d	Topics in Data Structures and Algorithms	d	Advanced Compiler Optimization	d	Object Oriented Software Modeling