

STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE AND ENGINEERING (R)
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MCS1001	Advanced Data Structures and Algorithm Techniques	4	2	0	40	60	100	5
3	MCS1002	Advanced Software Engineering	4	2	0	40	60	100	5
4	MEC1010	Architecture of High Performance Computers	4	2	0	40	60	100	5
5	MCS1004	High Speed Networks	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MCS1502	Software Systems Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU2001	Professional Ethics	2	0	0	40	60	100	2
2	MCS2002	Operating System Design	4	2	0	40	60	100	5
3	MCS2003	Information Storage Management	4	2	0	40	60	100	5
4	---	Elective-I	4	2	0	40	60	100	5
5	---	Elective-II	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
6	MCS2501	Network Simulation Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-III	4	2	0	40	60	100	5
2	---	Elective-IV	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MCS3501	Colloquium	0	0	4	100	-	100	4
4	MCS3502	Dissertation-I	0	0	6	100	-	100	6
TOTAL			8	4	10	280	120	400	20

L - Lecture

T - Tutorial

P - Practical

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ESE-End Semester Exam

C - Credit

STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE AND ENGINEERING (R)
II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
PRACTICAL/TRAINING/PROJECT									
1	MCS4501	Dissertation-II	0	0	18	80	20	100	18
2	MCS4502	Comprehensive Viva	0	0	0	100	-	100	2
TOTAL			0	0	18	180	20	200	20

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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LIST OF ELECTIVES

ELECTIVE-I			
S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
1	MCS2109	Optimization Technique	II
2	MCS2110	Machine Learning	II
3	MCS2111	Information Retrieval Tools and Techniques	II
4	MCS2112	Network Programming	II
5	MCS2113	Parallel Processing: Architecture and Algorithm	II
6	MCS2114	Real Time Systems	II
ELECTIVE -II			
1	MCS2202	Digital Signal Processing	II
2	MCS2203	Image Processing Techniques	II
3	MCS2204	Research Methodology	II
4	MCS2205	System Modelling and Simulation	II
5	MCS2206	Wireless Networks and Mobile Computing	II
6	MCS2207	Requirements Engineering	II
ELECTIVE -III			
1	MCS3107	Computer Vision	III
2	MCS3108	Information Security	III
3	MCS3109	Big Data	III
4	MCS3110	Ad Hoc Networks	III
5	MCS3111	Metrics and Models	III
6	MCS3112	Software Reliability and Formal Specialization	III
ELECTIVE -IV			
1	MCS3207	TCP/IP Design and Implementation	III
2	MCS3208	Natural Language Processing	III
3	MCS3209	Remote Sensing	III
4	MCS3210	Quality Assurance and Testing	III
5	MCS3211	Robotics	III
6	MCS3212	Grid and Cloud Computing	III