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

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU1001P	Technical Communication	2	0	0	40	60	100	2
2	MCS1001P	Advanced Data Structures and Algorithm Techniques	4	2	0	40	60	100	5
3	MEC1003P	Architecture of High Performance Computers	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
4	MCS1502	Software Systems Lab	0	0	4	80	20	100	2
TOTAL			**10**	**4**	**4**	**200**	**200**	**400**	**14**

L - Lecture
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ESE-End Semester Exam
C - Credit

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

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU2001P	Professional Ethics	2	0	0	40	60	100	2
2	MCS2001P	Advanced Software Engineering	4	2	0	40	60	100	5
3	MCS2002P	High Speed Networks	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
4	MCS2501P	Network Simulation Lab	0	0	4	80	20	100	2
TOTAL			**10**	**4**	**4**	**200**	**200**	**400**	**14**

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M.TECH: COMPUTER SCIENCE AND ENGINEERING (PT)
II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MCS3002P	Operating System Design	4	2	0	40	60	100	5
2	MCS3003P	Information Storage Management	4	2	0	40	60	100	5
3	------	Elective-I	4	2	0	40	60	100	5
TOTAL			**12**	**6**	**0**	**120**	**180**	**300**	**15**

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

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-II	4	2	0	40	60	100	5
2	---	Elective-III	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
3	MCS4501P	Colloquium	0	0	4	100	-	100	4
TOTAL			**8**	**4**	**4**	**180**	**120**	**300**	**14**

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STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE AND ENGINEERING (PT)
III YEAR: V SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	---	Elective-IV	4	2	0	40	60	100	5
PRACTICAL/TRAINING/PROJECT									
2.	MCS5501P	Dissertation-I	0	0	6	100	-	100	6
TOTAL			**4**	**2**	**6**	**140**	**60**	**200**	**11**

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STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE AND ENGINEERING (PT)
III YEAR: VI SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MCS6501P	Dissertation-II	0	0	18	80	20	100	18
2	MCS6502P	Comprehensive Viva	0	0	0	100	-	100	2
TOTAL			**0**	**0**	**18**	**180**	**20**	**200**	**20**

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STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE AND ENGINEERING (PT)

LIST OF ELECTIVES

ELECTIVE-I			
S. NO.	**SUBJECT CODE**	**SUBJECT**	**SEMESTER**
1	MCS3101P	Optimization Technique	III
2	MCS3102P	Machine Learning	III
3	MCS3103P	Information Retrieval Tools and Techniques	III
4	MCS3104P	Network Programming	III
5	MCS3105P	Parallel Processing: Architecture and Algorithm	III
6	MCS3106P	Real Time Systems	III
ELECTIVE -II			
1	MCS4109P	Digital Signal Processing	IV
2	MCS4110P	Image Processing Techniques	IV
3	MCS4111P	Research Methodology	IV
4	MCS4112P	System Modelling and Simulation	IV
5	MCS4113P	Wireless Networks and Mobile Computing	IV
6	MCS4114P	Requirements Engineering	IV
ELECTIVE -III			
1	MCS4207P	Computer Vision	IV
2	MCS4208P	Information Security	IV
3	MCS4209P	Big Data	IV
4	MCS4210P	Ad Hoc Networks	IV
5	MCS4211P	Metrics and Models	IV
6	MCS4212P	Software Reliability and Formal Specialization	IV
ELECTIVE -IV			
1	MCS5107P	TCP/IP Design and Implementation	V
2	MCS5108P	Natural Language Processing	V
3	MCS5109P	Remote Sensing	V
4	MCS5110P	Quality Assurance and Testing	V
5	MCS5111P	Robotics	V
6	MCS5112P	Grid and Cloud Computing	V