

M. TECH. COMPUTER ENGINEERING (COMPUTER NETWORK)

Scheme of Examination for M.Tech												
Branch-Computer Network												
Semester-I												
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme					
		Lecture	Tutorial	Practical	Total		Theory			Practical (Cont. Asst.)	Total	ESE Duration (Hrs)
							Internal		ESE 60%			
							TAE 20 %	CAE 20%				
MCNL501	Research Methodology	2	-	-	2	2	20	20	60	-	100	3
MCNL502	Network Security & Cryptography	3	-	-	3	3	20	20	60	-	100	3
MCNL503	Advanced Network Algorithms	4	-	-	4	4	20	20	60	-	100	3
MCNL504	High Performance Database	3	-	-	3	3	20	20	60	-	100	3
MCNL505	Elective - I	3	-	-	3	3	20	20	60	-	100	3
MCNL506	Elective - II	3	-	-	3	3	20	20	60	-	100	3
MCNP507	Lab Practice-I	-	-	4	4	2	-	-	-	100	100	-
MSDP501	Advanced Skill Development	-	-	2	2	AU	-	-	-	-	-	-
Total		18	-	6	24	20	120	120	360	100	700	--

Subject Code	Elective - I
MCNL505A	Information Retrieval & Web mining
MCNL505B	Internet Routing Design
MCNL505C	Distributed Computing
MVEL505	Open Elective (ENTC Elective 1)

Subject Code	Elective - II
MCNL506A	Data Mining and Machine Learning
MCNL506B	Network Programming
MCNL506C	Grid Computing
MCNL506D	Industry Offered Elective

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Semester-II													
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical (Cont. Ass. + Ext.)	Total		
							Internal		ESE 60%				
							TAE 20%	CAE 20%					
MCNL509	Software Defined Network	3	-	-	3	3	20	20	60	-	100	3	
MCNL510	System Operations and Maintenance	3	-	-	3	3	20	20	60	-	100	3	
MCNL511	Cyber Forensic and Information Security	3	-	-	3	3	20	20	60	-	100	3	
MCNL512	Advanced Software Engineering & Formal Methods	3	-	-	3	3	20	20	60	-	100	3	
MCNL513	Elective –III	3	-	-	3	3	20	20	60	-	100	3	
MCNL514	Elective –IV	3	-	-	3	3	20	20	60	-	100	3	
MCNP515	Lab Practice-II	-	-	4	4	2	-	-	-	100	100	-	
	Total	18	-	04	22	20	120	120	360	100	700	--	

Subject Code	Elective III
MCNL513A	Business Intelligence and Infrastructure Management
MCNL513B	Network Design Modeling & Analysis
MCNL513C	Mobile Computing
MVEL513	Open Elective(ENTC Elective 2)

Subject Code	Elective IV
MCNL514A	Big Data Analysis
MCNL514B	Intelligent System
MCNL514C	Cloud Computing
MVEL514	Open Elective (ENTC Elective 3)

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Semester-III													
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total	
							Internal		ESE 60%	Cont. Ass.	External		
							TAE 20%	CAE 20%					
MCNP601	Technical Course-Latex	-	-	4	4	2	-	-	-	50	-	50	-
MCNP602	Seminar 1	-	-	5	5	5	-	-	-	50	50	100	-
MCNP603	Dissertation Phase -1	-	-	8	8	8	-	-	-	50	100	150	-
	Total	-	-	17	17	15	-	-	-	150	150	300	-

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Semester-IV													
Subject code	Subject Name	Teaching scheme (Weekly Load in hrs)				Credits	Evaluation Scheme						ESE Duration (Hrs)
		Lecture	Tutorial	Practical	Total		Theory			Practical		Total	
							Internal		ESE 60%	Cont. Ass.	External		
							TAE 20%	CAE 20%					
MCNP604	Seminar 2	-	-	4	4	4	-	-	-	50	50	100	-
MCNP605	Dissertation Phase -2	-	-	16	16	16	-	-	-	100	100	200	-
Total		-	-	20	20	20	-	-	-	250	150	150	300