Master of Engineering in Computer Engineering (Cyber Security)

SEM I

Subject Code	Subject Name	TH	TUT	PR	Credits	ESE(E)	PA(M)	ESE(V)	PA(I)	Total Marks
2718101	Mathematical Foundation for Cyber Security	3	2	0	4	70	30	30	20	150
2718102	Operating System and Host Security	4	0	2	5	70	30	30	20	150
2718103	Introduction to Cryptography	4	0	2	5	70	30	30	20	150
	Major Elective I	4	0	2	5	70	30	30	20	150
2710001	Research Skills	2	0	0	2	70	30	0	0	100
	TOTAL	**17**	**2**	**6**	**21**					
	Major Elective I									
2718104	Cyber Forensic and Incident Response									
2718105	Cyber Crimes , Ethics and Laws									
2718106	Cyber Security: Administration and Management									

SEM II

Subject Code	Subject Name	TH	TUT	PR	Credits	ESE(E)	PA(M)	ESE(V)	PA(I)	Total Marks
2728101	Web and Database Security	3	0	2	4	70	30	30	20	150
2728102	Internetworking and Security	4	0	2	5	70	30	30	20	150
2728103	Cryptography: Protocols and Standards	4	0	2	5	70	30	30	20	150
	Major Elective II	4	0	2	5	70	30	30	20	150
	Major Elective III	3	0	2	5	70	30	30	20	150
	TOTAL	**18**	**0**	**10**	**24**					
	Major Elective II									
2728104	Cloud Security									
2728105	Risk Assessment and Security Audit									
2728106	Cryptoanalysis: Fundamentals and applications									
	Major Elective III									
2728107	Data Center Management									
2728108	Malware Analysis									
2728109	Ethical Hacking									

SEM III										
Subject Code	**Subject Name**	**TH**	**TUT**	**PR**	**Credits**	**ESE(E)**	**PA(M)**	**ESE(V)**	**PA(I)**	**Total Marks**
2738101	Mobile and Wireless Communciation Security	4	0	2	5	70	30	30	20	150
2738102	Security Tools	0	4	0	2	0	0	80	20	100
2730002	Internal Review	0	2	0	1	0	0	0	100	100
2730003	Dissertation Phase-I (Literature Review, Problem Formulation, Progress & Work Plan)	-	-	-	10	0	0	100	0	100
	TOTAL	**4**	**6**	**2**	**18**					

SEM IV										
Subject Code	**Subject Name**	**TH**	**TUT**	**PR**	**Credits**	**ESE(E)**	**PA(M)**	**ESE(V)**	**PA(I)**	**Total Marks**
	Major Elective IV	4	0	2	5	70	30	30	20	150
2740004	Seminar (Presentation + Attendance + Preparation of Learning Material)	0	2	0	1	0	0	80	20	100
2740001	External Mid Sem Review (Brief Lit. Rev, Problem Statement & Major Outcomes)	-	-	-	10	0	0	100	0	100
2740002	Dissertation Phase-II	-	-	-	12	0	0	100	0	100
	TOTAL	**4**	**2**	**2**	**28**					
	Major Elective IV									
2748101	Cyber Disaster Management and Recovery									
2748102	Computational Statistics and Data Mining									
2748103	Biometric Security									