MANIPAL UNIVERSITY JAIPUR
(University under Section 2(f) of the UGC Act)

School of Information, Security and Data Science
Department of Information Technology
Course Structure
For M.Tech. (Cyber Security) Program from Academic Session: 2025-26
Duration: 2 Years, Total Number of Credits: 75

Year	FIRST SEMESTER						SECOND SEMESTER				
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I		Cyber Security: Concepts, Theory, Practice	3	1	0	4		Digital Forensics	3	1	0	4
		Cryptography and network security	3	1	0	4		Incident response and Threat Intelligence	3	1	0	4
		Vulnerability Assessments and Penetration Testing	3	1	0	4		Governance, risk and compliance	3	0	0	3
		Artificial Intelligence and Machine Learning for Cyber Security	3	0	0	3		Privacy and Data Protection Regulations	3	0	0	3
		Program Elective-1	3	0	0	3		Program Elective-2	3	0	0	3
		Secure programming Lab	0	0	4	2		Program Elective-3	3	0	0	3
		VAPT Lab	0	0	4	2		Digital Forensics Lab	0	0	4	2
		Self Study MLC / Research Methodology	2	0	0	2		Threat Intelligence Lab	0	0	4	2
		Project - 1 / Research Practice – 1	0	0	4	2		Project -2 / Research Practice - 2	0	0	4	2
						26						26
	Total Contact Hours (L+T+P)		17	3	12	32	Total Contact Hours (L+T+P)		18	2	12	32

PE-I
Cyber Law and Ethics
Blockchain Technology
Web Application Security
Cloud Security

PE-II
Mobile Application Security
Hardware Security
Security of IoT Devices

PE-III
Cyber Physical Systems (CPS) Security
Adversarial Machine Learning
Cloud Security

	Total Contact Hours (L+T+P)=32 Total Credits:26					Total Contact Hours (L+T+P)= 32 Total Credits:26				
	THIRD SEMESTER					**FOURTH SEMESTER**				
II	Internship-I/ Dissertation-I				11	Internship-II/ Dissertation-II				12
	Total Credits=11					Total Credits=12				