

Literature Review and Technical Writing Lab





MTECH (by Research) IN CYBER SECURITY

Semester wise Courses

SEMESTER 1	SEMESTER 2
Mathematical Foundations	Advance Cryptography and Polymorphic Data Encryption
Literature Review and Technical Writing	Penetration Testing using Python
Security Threats and Malware Analysis	Incident Response and Redressal Methods
Critical Information Infrastructure and Attack Modeling	Data Wiping and Destruction
Open Elective 1	Course Elective - 2
 Yoga and Meditation for Digital Citizens / World 	Data Encoding and Comnpression Techniques
Adressing Social Problems through Technology	Web Services and Service Oriented Architecture
Proliferation	Multidimensional Data Modelling
Course Elective 1	Open Elective - 2
Computational Intelligence	Digital Journalism
Game Theory	Mental Conditioning and Stress Management
Man Machine Interface and IoT	Specialization Elective 2
Specialization Elective	Digital Devices Security
Security Metrics and Key Performnce Indiactors	Information Security Management Certification
Cyber Crime, Cyber Law and IT Act	Practical
Cyber Forensics Aaudit and Investigation	Advance Cryptography and Polymorphic Data
Practical	Encryption Lab
Engineering in Industry / working	Penetration Testing using Python Lab
Security Threats and Malware Analysis Lab	Basics of Incidence Response and Malware Analysis Lab
Critical Information Infrastructure and	
Attack Modeling Lab	
	







SEMESTER 3	SEMESTER 4
Research Methodlogy	Internship and Dissertation
Hardware and Firmware Security	
Project Ideation and Designing DPR	
Specialization Elective	
Working on Security Issues in BFSI	
Working on Security Issues in Homeland Secutity	
Working on Security Issues in Governance	
Working on Security Issues in General Public	
Working on Security Issues in Any other	
open area of interest	
Practical	
Research Methodlogy Lab	
Hardware and Firmware Security Lab	
Project Ideation and Designing DPR Lab	