Course Structure of Y18 Batch

M.Tech (Cyber Security & Digital Forensics)

I year (First Semester)

S. No.	Course Code	Course Title	Credits
1	18 CS 5133	Introduction to Cyber Security & ICS	4
2	18 CS 5134	Digital Forensics	4
3	18 CS 5135	Advance Network Security & Investigations	4
4	18 CS 5136	Software Security	4
5		Elective – 1	3
6		Elective - 2	3
7	18 IE 5149	Seminar	2

I year (Second Semester)

S. No.	Course Code	Course Title	Credits
1	18 CS 5237	Cryptography for Cyber Defense	4
2	18 CS 5238	Malware Analysis & Reverse Engineering	4
3	18 CS 5239	Cyber Incident Response & Resilience	4
4	18 CS 5240	Cyber Law, Governance & Compliance	4
5		Elective – 3	3
6		Elective - 4	3
7	18 IE 5250	Term Paper	2

Second Year (First & Second Semester)

S. No.	Course Code	Course Title	Credits
1	18 IE 6050	Dissertation	36

List of Electives:

S. No	Course Code	Course Title	Credits
		Elective-1	
1	18 CS 51Q1	Mobile Device Threats & Investigation	3
2	18 CS 51Q2	Fundamentals of E-Discovery	3
3	18 CS 51Q3	Introduction to SCADA System	3
4	18 CS 51Q4	Networking Concepts & Security	3
		Elective-2	
1	18 CS 51R1	Introduction to Big Data Analytics	3
2	18 CS 51R2	Social Media Forensics	3
3	18 CS 51R3	Critical Information Infrastructure Security	3
4	18 CS 51R4	Forensics of Distributed Systems Environment	3

		Elective-3	
1	18 CS 52S1	Infrastructure Attacks and Defense	3
2	18 CS 52S2	Software Vulnerability Analysis	3
3	18 CS 52S3	Parallel & Cloud Computing	3
4	18 CS 52S4	Principles of Operating Systems	3
		Elective-4	
1	18 CS 52T1	Applied Cryptography	3
2	18 CS 52T2	Software Modeling	3
3	18 CS 52T3	Digital Image Processing	3
4	18 CS 52T4	Embedded Systems & Forensics	3