Faculty of Science, Technology and Architecture
School of Computer Science and Engineering
Department of Information Technology

Degree: M. Tech (Cyber Security)   **Total Credits: 80**

First Semester						Second Semester				
Code	Subject Name	L	T	P	C	Code	Subject Name	L	T	P	C
ICS6101	Essentials of Cyber Security	3	1	0	4	ICS6201	Digital Forensics	3	1	0	4
ICS6102	Applied Cryptography	3	1	0	4	ICS6202	Incident Response and Threat Intelligence	3	1	0	4
ICS6103	Vulnerability Assessments and Penetration Testing	3	1	0	4	ICS6203	Governance, Risk and Compliance	3	1	0	4
ICS6104	Machine Learning for Cyber Security	3	0	0	3	ICS6204	Privacy and Data Protection Regulations	3	1	0	4
ICS6105	Data Structures with Object-Oriented Paradigm	3	0	0	3	ICS62XX	Program Elective-2	3	0	0	3
ICS61XX	Program Elective-1	3	0	0	3	ICS62XX	Program Elective-3	3	0	0	3
ICS6130	Secure Programming Lab	0	0	3	1	ICS6230	Digital Forensics Lab	0	0	4	2
ICS6131	VAPT Lab	0	0	4	2	ICS6231	Threat Intelligence Lab	0	0	4	2
DR6001	Research Methodology	2	0	0	2	ICS6270	Project -2 / Research Practice - 2	0	0	4	2
ICS6170	Project - 1 / Research Practice – 1	0	0	2	1						
	Total	20	3	9	27		Total	18	4	12	28
	Total Contact Hours (L+T+P)	32 Hours					Total Contact Hours (L+T+P)	34 Hours			

Third Semester						Fourth Semester				
Code	Subject Name	L	T	P	C	Code	Subject Name	L	T	P	C
ICS6170	Internship-I/ Dissertation-I	0	0	20	10	ICS6270	Internship-II/ Dissertation-II	0	0	30	15
	Total	0	0	20	10		Total	0	0	30	15
	Total Contact Hours (L+T+P)	20 Hours					Total Contact Hours (L+T+P)	30 Hours			

PE-I
ICS6140 Cyber Laws and Ethics
ICS6141 Blockchain Technology
ICS6142 Web Application Security
PE-II
ICS6240 Mobile Application Security
ICS6241 Hardware Security
ICS6242 Security of IoT Devices
PE-III
ICS6243 Cyber Physical Systems Security
ICS6244 Adversarial Machine Learning
ICS6245 Cloud Security