

**Faculty of Science, Technology and Architecture | School of CSE & IT**

**Department of CSE**

**SCHOOL OF CSE & IT**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**MASTER OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING**

**COURSE STRUCTURE**

**(Session: 2025-26)**

**Faculty of Science, Technology and Architecture | School of CSE & IT**

**Department of CSE**

**Course Structure**  
**M.Tech.: Computer Science and Engineering**  
**Academic Session: 2025 - 2026**  
**Duration: 2 Years, Total Number of Credits: 80**

Year	FIRST SEMESTER						SECOND SEMESTER					
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C
I	CSE6101	Computational Mathematics	4	0	0	4	CSE6201	Advanced Database Management Systems	3	0	2	4
	CSE6102	Advanced Data Structures and Algorithms	3	0	2	4	CSE6201	Advanced Programming Paradigm	3	0	2	4
	CSE6103	Artificial Intelligence	3	0	2	4	CSE6203	Advanced Computer Networks	3	0	2	4
	CSE6104	Research Methodologies	4	0	0	4	CSE62XX	Program Elective III	4	0	0	4
	CSE61XX	Program Elective I	4	0	0	4	CSE62XX	Program Elective IV	4	0	0	4
	CSE61XX	Program Elective II	4	0	0	4	CSE62XX	Program Elective V	4	0	0	4
							CSE6270	Research Project	-	-	-	2
	Total Credits					24	Total Credits					26
II	THIRD SEMESTER						FOURTH SEMESTER					
	CSE7170	Dissertation I	-	-	-	15	CSE7270	Dissertation II	-	-	-	15
	Total Credits					15	Total Credits					15

Program Elective I	Program Elective II
CSE6140: Applied Cryptography CSE6141: Machine Learning	CSE6150: Cybersecurity Tools & Cyberattacks CSE6151: Computer Vision
Program Elective III	Program Elective IV
CSE6240: Digital Forensics CSE6241: Reinforcement Learning	CSE6250: Blockchain Technology CSE6251: Generative AI
Program Elective V	
CSE6261: Quantum Computing CSE6262: Natural Language Processing CSE6263: Social Networks Analysis CSE6264: Recommender Systems CSE6265: Cloud Infrastructure and Virtualization CSE6266: Malware Analysis and Intrusion Detection	