

**NAGINDAS KHANDWALA COLLEGE OF
COMPUTER AND INFORMATION SCIENCE**

**Programme: M.Sc Computer Science - Specialization
in Cyber Security**

List of subjects offered under NEP

Academic Year 2024-2025

SEMESTER I		
1	Advanced Database Management Systems	4 Credits
2	Cyber security Fundamentals	4 Credits
3	Advanced Data Structures and Algorithms	4 Credits
4	Research Methodology	4 Credits
5	Data Security and Network Security	4 Credits
6	Mathematical Foundations For Cyber security	2 Credits
Total Credits Semester I		22 Credits

SEMESTER II		
1	Security and Risk Management	4 Credits
2	Ethical Hacking	4 Credits
3	Cryptography and Biometrics	4 Credits
4	Internship	4 Credits
5	Defense in depth	4 Credits
6	Software Engineering Concepts and Methodologies	2 Credits
Total Credits Semester II		22 Credits