



KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

SCHOOL OF COMPUTATIONAL AND PHYSICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

BCA Cyber Security

Batch 2025 - 26

Semester	Course Type	Course Title	Credits
I	DSC	C Programming	3
I	DSC	C Programming Practical	1
I	DSC	Relational Database Management System	3
I	DSC	Relational Database Management System Practical	1
I	DSC	Foundation of Discrete Mathematics	3
I	SEC	Digital Engineering	3
II	DSC	Data Structures	3
II	DSC	Data Structures Practical	1
II	DSC	Python Programming	3
II	DSC	Python Programming Practical	1
II	DSC	Cyber Security Essentials	3
II	DSC -CC	Cyber Security Fundamentals	2
II	MDC	Multidisciplinary Course	3
II	SEC	Web Development Workflow	3
III	DSC	Oops with Java	3
III	DSC	Oops with Java Practical	1
III	DSC	Principles of Operating System and Linux & Administration	3
III	DSC	Principles of Operating System and Linux Administration Practical	1
III	DSC	Computer Network Layers and Vulnerabilities	3
III	SEC	Online Course NPTEL	3
III	MDC	Multidisciplinary Course	3
III	VAC	Value-Added Course (VAC)	2
IV	DSC	Machine Learning for Cybersecurity	3
IV	DSC	Machine Learning for Cybersecurity Practical	1
IV	DSC	Cryptography And Cyber Security	3
IV	DSC	Cryptography And Cyber Security Practical	1
IV	DSC	Software Engineering	3
IV	DSC-CC	Domain Specific certificate	2
IV	DSC-MP	Minor Project-I	2
IV	SEC	Skill Enhancement Course	3

Semester	Course Type	Course Title	Credits
IV	MDC	Multidisciplinary Course	3
IV	VAC	Value-Added Course (VAC)	2
V	DSC	Network Defense	4
V	DSC	Network Defense Practical	2
V	DSC	Cyber Threat Intelligence	4
V	DSC	Cyber Threat Intelligence Practical	2
V	DSC	Cyber Forensics and Forensic Investigation	4
V	DSC	Research Methodology	4
V	DSC MP	Minor Project -II	2
V		Internship	2
VI	DSC	Network Forensics	4
VI	DSC	Network Forensics Practical	2
VI	DSC	Vulnerability Analysis and Penetration Testing	4
VI	DSC	Vulnerability Analysis and Penetration Testing Practical	2
VI	DSC	Intrusion Detection and Prevention Systems	4
VI	DSC CC	Domain Specific certificate	2
VI	DSE	Project	4