



PROGRAM STRUCTURE

Bachelor of Technology (Computer Science Engineering) in Cyber Security

Powered by KPMG in partnership with Macquarie University, Australia

Duration: 4 Years

Batch: 2026-2030

**School of Computer Science Engineering and
Technology, Bennett University**

Semester: I

S.No	COURSE TITLE	L	T	P	Credits
1	Engineering Calculus	3	1	0	4
2	Computational Thinking and Programming	3	0	2	4
3	Electromagnetism and Mechanics	3	0	2	4
4	Inculcation of Human Values and Professional Ethics	2	0	0	2
5	Social Responsibility and Community Project	1	0	2	2
6	Professional Skills	2	0	0	2
7	Communication: From Brain to Society	2	0	0	2
Total		16	1	6	20

Semester: II

S.No	COURSE TITLE	L	T	P	Credits
1	Linear Algebra and Ordinary Differential Equations	3	1	0	4
2	Object Oriented Programming using Java	3	0	2	4
3	Discrete Mathematical Structures	3	1	0	4
4	Digital Design	3	0	2	4
5	Environment Education	2	0	0	2
6	Leadership and Management Skills	2	0	0	2
7	Introduction to Electrical and Electronics Engineering	2	0	2	3
Total		18	2	6	23

Semester: III

S.No	COURSE TITLE	L	T	P	Credits
1	Probability and Statistics	3	0	2	4
2	Information Management Systems	3	0	2	4
3	Data Structures using C++	3	0	2	4
4	DATA PRIVACY AND ETHICS (Delivered by Industry Partner KPMG)	3	0	0	3
5	Microprocessors and Computer Architecture	3	0	2	4
6	Engineering Reports & Research Publishing	2	0	2	3
7	Ethics for Engineers, Patents, Copyrights and IPR	1	0	0	1
Total		18	0	10	23

Semester: IV

S.No	COURSE TITLE	L	T	P	Credits
1	Design and Analysis of Algorithms	3	0	2	4
2	Computer Networks	3	0	2	4
3	Operating Systems	3	0	2	4
4	APPLIED CRYPTOGRAPHY AND INFORMATION SECURITY (Delivered by Industry Partner KPMG)	3	0	2	4
5	HUMAN CENTRIC CYBER SECURITY (Delivered by Industry Partner KPMG)	2	0	2	3
6	Design Thinking & Innovation	0	0	4	2
7	Foundations of Innovation and Entrepreneurship	1	0	2	2
Total		15	0	16	23

Semester: V

S.No	COURSE TITLE	L	T	P	Credits
1	Artificial Intelligence and Machine Learning	3	0	2	4
2	Automata Theory and Computability	3	1	0	4
3	MOBILE SECURITY (Delivered by Industry Partner KPMG)	2	0	2	3
4	SOFTWARE ENGINEERING	3	0	2	4
5	AI FOR CYBER SECURITY (Delivered by Industry Partner KPMG)	2	0	2	3
6	ELECTIVE I	2	0	2	3
7	Summer Internship	0	0	4	2
8	Undergraduate Research in Computer Science Engineering	0	1	0	1
Total		15	2	14	24

Semester: VI

S.No	COURSE TITLE	L	T	P	Credits
1	High Performance Computing	3	0	2	4
2	HSS ELECTIVE	3	0	0	3
3	DIGITAL FORENSICS (Delivered by Industry Partner KPMG)	2	0	2	3
4	OPEN ELECTIVE I	3	0	0	3
5	SPECIALIZATION ELECTIVE II	2	0	2	3
6	ELECTIVE II	2	0	2	3
7	OPEN ELECTIVE II	3	0	0	3
Total		18	0	8	22

Semester: VII

S.No	COURSE TITLE	L	T	P	Credits
1	Seminar on Special Topics in Emerging Areas	0	1	0	1
2	MOOC I / Capstone Project	4	0	0	4
3	Elective - III	2	0	2	3
4	Open Elective-III	3	0	0	3
5	SPECIALIZATION ELECTIVE III	2	0	2	3
6	Career Growth Strategies for Engineers	0	1	6	4
Total		11	2	10	18

Semester: VIII

S.No	COURSE TITLE	L	T	P	Credits
1	Open Elective - IV	3	0	0	3
2	MOOC II / INDUSTRIAL PROJECT	4	0	0	4
3	MOOC III / INDUSTRIAL PROJECT	4	0	0	4
Total		11	0	0	11