



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
NH-12 (Old NH-34), Simhat, Haringhata, Nadia -741249

Department of Information Technology
B.Sc. in Information Technology (Blockchain Technology)

Semester I						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC101	Programming for Problem Solving	3	0	0	3
2	BITBC102	English Communication	3	0	0	3
3	BITBC103	Electrical & Electronics Engineering	3	0	0	3
4	BITBC104	Mathematics for Information Technology	3	1	0	4
5	BITBC105	Introduction to Networking Protocols	3	1	0	4
Practical						
1	BITBC191	Programming for Problem Solving Lab	0	0	4	2
2	BITBC192	English Communication Lab	0	0	4	2
3	BITBC193	Electrical & Electronics Engineering Lab	0	0	4	2
Total Credit						23

Semester II						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC201	Data Structure and Algorithm with Python	3	0	0	3
3	BITBC202	Computer Networks	3	0	0	3
3	BITBC203	Data Acquisition & Processing	3	1	0	4
4	BITBC204	Discrete Mathematics	3	1	0	4
5	BITBC205	Environmental Science	1	0	0	1
Practical						
1	BITBC291	Data Structure and Algorithm with Python Lab	0	0	4	2
2	BITBC292	Computer Networks Lab	0	0	4	2
Sessional						
1	BITBC281	Project 1	0	0	4	2
Total Credit						21

Semester III						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC301	Data Privacy & Security	3	0	0	3
2	BITBC302	Design and Analysis of Algorithms	3	0	0	3
3	BITBC303	DBMS and SQL injection Attack	3	0	0	3
4	BITBC304	Access control & OS Security	3	1	0	4
5	BITBC305	Value & Ethics in Data Science	3	1	0	4
Practical						



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1	BITBC391	Data Privacy & Security Lab	0	0	4	2
2	BITBC392	Design and Analysis of Algorithms Lab	0	0	4	2
3	BITBC393	DBMS and SQL injection Attack Lab	0	0	4	2
Total Credit						23

Semester IV						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC401	Secure Software Design & Enterprise Computing	3	0	0	3
2	BITBC402	Ethical hacking in Linux Environment	3	0	0	3
3	BITBC403	Intrusion Detection and Prevention	3	1	0	4
4	BITBC404	Cyber Security Vulnerabilities & Cyber Security Safeguards	3	1	0	4
5	BITBC405	Introduction to Operating System	3	1	0	4
Practical						
1	BITBC491	Secure Software Design & Enterprise Computing Lab	0	0	4	2
2	BITBC492	Ethical hacking in Linux Environment Lab	0	0	4	2
Sessional						
1	BITBC481	Project II	0	0	2	1
Total Credit						23

Semester V						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC501	Blockchain and Cryptocurrency	3	0	0	3
2	BITBC502	Elective I A. Human Computer Interaction B. Web Application Security C. Visual Cryptography D. Threats in Mobile Application	3	0	0	3
3	BITBC503	Cyber Law and Cyber Crime Investigation	3	1	0	4
4	BITBC504	Information and Coding Theory	3	1	0	4
Practical						
1	BITBC591	Bitcoin Wallet and Mining Software Lab	0	0	4	2
Sessional						
1	BITBC581	Major Project I	0	0	4	2
2	BITBC582	Industrial Training and Internship	0	0	2	1
Total Credit						19



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Semester VI						
Sl. No.	Course Code	Course Name	L	T	P	Credits
Theory						
1	BITBC601	Incident Analysis and Threat Hunting	3	1	0	4
2	BITBC602	Malware Detection	3	1	0	4
3	BITBC603	Elective II	3	0	0	3
		A. Blockchain in Financial Services: Strategic Action Plan B. Blockchain and Business: Applications and Implications C. Security Assessment and Risk Analysis				
Sessional						
1	BITBC681	Grand Viva	0	0	8	4
2	BITBC682	Major Project II	0	0	8	4
		Total Credit				19

Semester	Credit
I	19
II	21
III	19
IV	19
V	21
VI	19
TOTAL	128