CREDIT INFO

S.no	Catagory	Credits
1	Foundation Core	55
2	Discipline-linked Engineering Sciences	12
3	Discipline Core	44
4	Discipline Elective	15
5	Projects and Internship	9
6	Open Elective	15
7	Bridge Course	0
8	Non-graded Core Requirement	11
Total Credits		161

Foundation Core

sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BCHY101L	Engineering Chemistry	Theory Only	1.0	3	0	0	0	3.0
2	BCHY101P	Engineering Chemistry Lab	Lab Only	1.0	0	0	2	0	1.0
3	BCSE101E	Computer Programming: Python	Embedded Theory and Lab	1.0	1	0	4	0	3.0
4	BCSE102L	Structured and Object-Oriented Programming	Theory Only	1.0	2	0	0	0	2.0
5	BCSE102P	Structured and Object-Oriented Programming Lab	Lab Only	1.0	0	0	4	0	2.0
6	BCSE103E	Computer Programming: Java	Embedded Theory and Lab	1.0	1	0	4	0	3.0
7	BECE101L	Basic Electronics	Theory Only	1.0	2	0	0	0	2.0
8	BECE101P	Basic Electronics Lab	Lab Only	1.0	0	0	2	0	1.0
9	BEEE101L	Basic Electrical Engineering	Theory Only	1.0	2	0	0	0	2.0
10	BEEE101P	Basic Electrical Engineering Lab	Lab Only	1.0	0	0	2	0	1.0
11	BENG101L	Technical English Communication	Theory Only	1.0	2	0	0	0	2.0
12	BENG101P	Technical English Communication Lab	Lab Only	1.0	0	0	2	0	1.0
13	BENG102P	Technical Report Writing	Lab Only	1.0	0	0	2	0	1.0
14	BFLE200L	B.Tech. Foreign Language - 2021	Basket	1.0	0	0	0	0	2.0
15	BHSM200L	B.Tech. HSM Elective - 2021	Basket	1.0	0	0	0	0	3.0
16	BMAT101L	Calculus	Theory Only	1.0	3	0	0	0	3.0
17	BMAT101P	Calculus Lab	Lab Only	1.0	0	0	2	0	1.0
18	BMAT102L	Differential Equations and Transforms	Theory Only	1.0	3	1	0	0	4.0
19	BMAT201L	Complex Variables and Linear Algebra	Theory Only	1.0	3	1	0	0	4.0
20	BMAT202L	Probability and Statistics	Theory Only	1.0	3	0	0	0	3.0
21	BMAT202P	Probability and Statistics Lab	Lab Only	1.0	0	0	2	0	1.0
22	BPHY101L	Engineering Physics	Theory Only	1.0	3	0	0	0	3.0
23	BPHY101P	Engineering Physics Lab	Lab Only	1.0	0	0	2	0	1.0
24	BSTS101P	Quantitative Skills Practice I	Soft Skill	1.0	0	0	3	0	1.5
25	BSTS102P	Quantitative Skills Practice II	Soft Skill	1.0	0	0	3	0	1.5
26	BSTS201P	Qualitative Skills Practice I	Soft Skill	1.0	0	0	3	0	1.5

		Foundation Core							
27	BSTS202P	Qualitative Skills Practice II	Soft Skill	1.0	0	0	3	0	1.5

		Discipline-linked Engineering Sciences							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BECE102L	Digital Systems Design	Theory Only	1.0	3	0	0	0	3.0
2	BECE102P	Digital Systems Design Lab	Lab Only	1.0	0	0	2	0	1.0
3	BECE204L	Microprocessors and Microcontrollers	Theory Only	1.0	3	0	0	0	3.0
4	BECE204P	Microprocessors and Microcontrollers Lab	Lab Only	1.0	0	0	2	0	1.0
5	BMAT205L	Discrete Mathematics and Graph Theory	Theory Only	1.0	3	1	0	0	4.0

		Discipline Core							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BCSE202L	Data Structures and Algorithms	Theory Only	1.0	3	0	0	0	3.0
2	BCSE202P	Data Structures and Algorithms Lab	Lab Only	1.0	0	0	2	0	1.0
3	BCSE204L	Design and Analysis of Algorithms	Theory Only	1.0	3	0	0	0	3.0
4	BCSE204P	Design and Analysis of Algorithms Lab	Lab Only	1.0	0	0	2	0	1.0
5	BCSE205L	Computer Architecture and Organization	Theory Only	1.0	3	0	0	0	3.0
6	BCSE301L	Software Engineering	Theory Only	1.0	3	0	0	0	3.0
7	BCSE301P	Software Engineering Lab	Lab Only	1.0	0	0	2	0	1.0
8	BCSE302L	Database Systems	Theory Only	1.0	3	0	0	0	3.0
9	BCSE302P	Database Systems Lab	Lab Only	1.0	0	0	2	0	1.0
10	BCSE303L	Operating Systems	Theory Only	1.0	3	0	0	0	3.0
11	BCSE303P	Operating Systems Lab	Lab Only	1.0	0	0	2	0	1.0
12	BCSE304L	Theory of Computation	Theory Only	1.0	3	0	0	0	3.0
13	BCSE305L	Embedded Systems	Theory Only	1.0	3	0	0	0	3.0
14	BCSE306L	Artificial Intelligence	Theory Only	1.0	3	0	0	0	3.0
15	BCSE307L	Compiler Design	Theory Only	1.0	3	0	0	0	3.0
16	BCSE307P	Compiler Design Lab	Lab Only	1.0	0	0	2	0	1.0
17	BCSE308L	Computer Networks	Theory Only	1.0	3	0	0	0	3.0
18	BCSE308P	Computer Networks Lab	Lab Only	1.0	0	0	2	0	1.0
19	BCSE309L	Cryptography and Network Security	Theory Only	1.0	3	0	0	0	3.0
20	BCSE309P	Cryptography and Network Security Lab	Lab Only	1.0	0	0	2	0	1.0

		Discipline Elective							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BCSE206L	Foundations of Data Science	Theory Only	1.0	3	0	0	0	3.0

		Discipline Elective							
2	BCSE207L	Programming for Data Science	Theory Only	1.0	2	0	0	0	2.0
3	BCSE207P	Programming for Data Science Lab	Lab Only	1.0	0	0	2	0	1.0
4	BCSE208L	Data Mining	Theory Only	1.0	2	0	0	0	2.0
5	BCSE208P	Data Mining Lab	Lab Only	1.0	0	0	2	0	1.0
6	BCSE209L	Machine Learning	Theory Only	1.0	3	0	0	0	3.0
7	BCSE209P	Machine Learning Lab	Lab Only	1.0	0	0	2	0	1.0
8	BCSE310L	IoT Architectures and Protocols	Theory Only	1.0	3	0	0	0	3.0
9	BCSE311L	Sensors and Actuator Devices	Theory Only	1.0	2	0	0	0	2.0
10	BCSE311P	Sensors and Actuator Devices Lab	Lab Only	1.0	0	0	2	0	1.0
11	BCSE312L	Programming for IoT Boards	Theory Only	1.0	2	0	0	0	2.0
12	BCSE312P	Programming for IoT Boards Lab	Lab Only	1.0	0	0	2	0	1.0
13	BCSE313L	Fundamentals of Fog and Edge Computing	Theory Only	1.0	3	0	0	0	3.0
14	BCSE314L	Privacy and Security in IoT	Theory Only	1.0	3	0	0	0	3.0
15	BCSE315L	Wearable Computing	Theory Only	1.0	3	0	0	0	3.0
16	BCSE316L	Design of Smart Cities	Theory Only	1.0	3	0	0	0	3.0
17	BCSE317L	Information Security	Theory Only	1.0	3	0	0	0	3.0
18	BCSE318L	Data Privacy	Theory Only	1.0	3	0	0	0	3.0
19	BCSE319L	Penetration Testing and Vulnerability Analysis	Theory Only	1.0	2	0	0	0	2.0
20	BCSE319P	Penetration Testing and Vulnerability Analysis Lab	Lab Only	1.0	0	0	2	0	1.0
21	BCSE320L	Web Application Security	Theory Only	1.0	3	0	0	0	3.0
22	BCSE321L	Malware Analysis	Theory Only	1.0	2	0	0	0	2.0
23	BCSE321P	Malware Analysis Lab	Lab Only	1.0	0	0	2	0	1.0
24	BCSE322L	Digital Forensics	Theory Only	1.0	2	0	0	0	2.0
25	BCSE322P	Digital Forensics Lab	Lab Only	1.0	0	0	2	0	1.0
26	BCSE323L	Digital Watermarking and Steganography	Theory Only	1.0	3	0	0	0	3.0
27	BCSE324L	Foundations of Blockchain Technology	Theory Only	1.0	3	0	0	0	3.0
28	BCSE325L	Introduction to Bitcoin	Theory Only	1.0	3	0	0	0	3.0
29	BCSE326L	Blockchain Architecture Design	Theory Only	1.0	3	0	0	0	3.0
30	BCSE327L	Smart Contracts	Theory Only	1.0	2	0	0	0	2.0
31	BCSE327P	Smart Contracts Lab	Lab Only	1.0	0	0	2	0	1.0
32	BCSE328L	Cryptocurrency Technologies	Theory Only	1.0	3	0	0	0	3.0
33	BCSE329L	Blockchain and Distributed Ledger Technology	Theory Only	1.0	2	0	0	0	2.0
34	BCSE329P	Blockchain and Distributed Ledger Technology Lab	Lab Only	1.0	0	0	2	0	1.0
35	BCSE330L	Public Key Infrastructure and Trust Management	Theory Only	1.0	3	0	0	0	3.0
36	BCSE331L	Exploratory Data Analysis	Theory Only	1.0	2	0	0	0	2.0
37	BCSE331P	Exploratory Data Analysis Lab	Lab Only	1.0	0	0	2	0	1.0
38	BCSE332L	Deep Learning	Theory Only	1.0	3	0	0	0	3.0
39	BCSE332P	Deep Learning Lab	Lab Only	1.0	0	0	2	0	1.0
40	BCSE333L	Statistical Inference	Theory Only	1.0	2	0	0	0	2.0
41	BCSE333P	Statistical Inference Lab	Lab Only	1.0	0	0	2	0	1.0
42	BCSE334L	Predictive Analytics	Theory Only	1.0	3	0	0	0	3.0
43	BCSE335L	Healthcare Data Analytics	Theory Only	1.0	3	0	0	0	3.0
44	BCSE336L	Financial Data Analytics	Theory Only	1.0	2	0	0	0	2.0

		Discipline Elective							
45	BCSE336P	Financial Data Analytics Lab	Lab Only	1.0	0	0	2	0	1.0
46	BCSE337P	Embedded System Design Lab	Lab Only	1.0	0	0	2	0	1.0
47	BCSE391J	Technical Answers to Real Problems Project	Project	1.0	0	0	0	0	3.0
48	BCSE392J	Design Project	Project	1.0	0	0	0	0	3.0
49	BCSE393J	Laboratory Project	Project	1.0	0	0	0	0	3.0
50	BCSE394J	Product Development Project	Project	1.0	0	0	0	0	3.0
51	BCSE396J	Reading Course	Project	1.0	0	0	0	0	3.0
52	BCSE397J	Special Project	Project	1.0	0	0	0	0	3.0
53	BCSE398J	Simulation Project	Project	1.0	0	0	0	0	3.0
54	BCSE401L	Internet of Things	Theory Only	1.0	3	0	0	0	3.0
55	BCSE402L	Big Data Analytics	Theory Only	1.0	3	0	0	0	3.0
56	BCSE403L	Digital Image Processing	Theory Only	1.0	3	0	0	0	3.0
57	BCSE404L	Internet and Web Programming	Theory Only	1.0	3	0	0	0	3.0
58	BCSE405L	Advanced Java Programming	Theory Only	1.0	3	0	0	0	3.0
59	BCSE406L	NoSQL Databases	Theory Only	1.0	3	0	0	0	3.0
60	BCSE407L	Computer Vision	Theory Only	1.0	3	0	0	0	3.0
61	BCSE408L	Cloud Computing	Theory Only	1.0	3	0	0	0	3.0
62	BCSE409L	Natural Language Processing	Theory Only	1.0	3	0	0	0	3.0
63	BCSE410L	Cyber Security	Theory Only	1.0	3	0	0	0	3.0
64	BCSE411L	Robotics and Automation	Theory Only	1.0	3	0	0	0	3.0
65	BCSE412L	Parallel Computing	Theory Only	1.0	3	0	0	0	3.0
66	BCSE413L	Soft Computing	Theory Only	1.0	3	0	0	0	3.0
67	BCSE414L	High Performance Computing	Theory Only	1.0	3	0	0	0	3.0
68	BCSE431L	Fundamentals of Quantum Computing	Theory Only	1.0	3	0	0	0	3.0
69	BEEE303L	Control Systems	Theory Only	1.0	3	0	0	0	3.0
70	BEEE303P	Control Systems Lab	Lab Only	1.0	0	0	2	0	1.0

		Projects and Internship							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BCSE399J	Summer Industrial Internship	Project	1.0	0	0	0	0	1.0
2	BCSE497J	Project - I	Project	1.0	0	0	0	0	3.0
3	BCSE498J	Project - II / Internship	Project	1.0	0	0	0	0	5.0
4	BCSE499J	One Semester Internship	Project	1.0	0	0	0	0	14.0

		Open Elective							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BBIT100L	Biology	Theory Only	1.0	3	0	0	0	3.0
2	BCSE353E	Information Security Analysis and Audit	Embedded Theory and Lab	1.0	1	0	2	0	2.0

			Open Elective							
3	BCSE354E	Information Security Management	Embedded Theory and Lab	1.0	1	0	2	0	2.0
4	BHUM201L	Mass Communication	Theory Only	1.0	3	0	0	0	3.0
5	BHUM202L	Rural Development	Theory Only	1.0	3	0	0	0	3.0
6	BHUM203L	Introduction to Psychology	Theory Only	1.0	3	0	0	0	3.0
7	BHUM204L	Industrial Psychology	Theory Only	1.0	3	0	0	0	3.0
8	BHUM205L	Development Economics	Theory Only	1.0	3	0	0	0	3.0
9	BHUM206L	International Economics	Theory Only	1.0	3	0	0	0	3.0
10	BHUM207L	Engineering Economics	Theory Only	1.0	3	0	0	0	3.0
11	BHUM208L	Economics of Strategy	Theory Only	1.0	3	0	0	0	3.0
12	BHUM209L	Game Theory	Theory Only	1.0	3	0	0	0	3.0
13	BHUM210E	Econometrics	Embedded Theory and Lab	1.0	2	0	2	0	3.0
14	BHUM211L	Behavioral Economics	Theory Only	1.0	3	0	0	0	3.0
15	BHUM212L	Mathematics for Economic Analysis	Theory Only	1.0	3	0	0	0	3.0
16	BHUM213L	Corporate Social Responsibility	Theory Only	1.0	3	0	0	0	3.0
17	BHUM214L	Political Science	Theory Only	1.0	3	0	0	0	3.0
18	BHUM215L	International Relations	Theory Only	1.0	3	0	0	0	3.0
19	BHUM216L	Indian Culture and Heritage	Theory Only	1.0	3	0	0	0	3.0
20	BHUM217L	Contemporary India	Theory Only	1.0	3	0	0	0	3.0
21	BHUM218L	Financial Management	Theory Only	1.0	3	0	0	0	3.0
22	BHUM219L	Principles of Accounting	Theory Only	1.0	3	0	0	0	3.0
23	BHUM220L	Financial Markets and Institutions	Theory Only	1.0	3	0	0	0	3.0
24	BHUM221L	Economics of Money, Banking and Financial Markets	Theory Only	1.0	3	0	0	0	3.0
25	BHUM222L	Security Analysis and Portfolio Management	Theory Only	1.0	3	0	0	0	3.0
26	BHUM223L	Options , Futures and other Derivatives	Theory Only	1.0	3	0	0	0	3.0
27	BHUM224L	Fixed Income Securities	Theory Only	1.0	3	0	0	0	3.0
28	BHUM225L	Personal Finance	Theory Only	1.0	3	0	0	0	3.0
29	BHUM226L	Corporate Finance	Theory Only	1.0	3	0	0	0	3.0
30	BHUM227L	Financial Statement Analysis	Theory Only	1.0	3	0	0	0	3.0
31	BHUM228L	Cost and Management Accounting	Theory Only	1.0	3	0	0	0	3.0
32	BHUM229L	Mind, Embodiment and Technology	Theory Only	1.0	3	0	0	0	3.0
33	BHUM230L	Health Humanities in Biotechnical Era	Theory Only	1.0	3	0	0	0	3.0
34	BMAT100L	Mathematics	Theory Only	1.0	3	1	0	0	4.0
35	BSTS301P	Advanced Competitive Coding - I	Soft Skill	1.0	0	0	3	0	1.5
36	BSTS302P	Advanced Competitive Coding - II	Soft Skill	1.0	0	0	3	0	1.5
37	CFOC102M	Introduction to Cognitive Psychology	Online Course	1.0	0	0	0	0	3.0
38	CFOC103M	Introduction to Political Theory	Online Course	1.0	0	0	0	0	3.0
39	CFOC104M	Six Sigma	Online Course	1.0	0	0	0	0	3.0
40	CFOC105M	Emotional Intelligence	Online Course	1.0	0	0	0	0	2.0
41	CFOC109M	Design Thinking - A Primer	Online Course	1.0	0	0	0	0	1.0
42	CFOC112M	Sociology of Science	Online Course	1.0	0	0	0	0	1.0
43	CFOC118M	Practical Machine Learning with Tensorflow	Online Course	1.0	0	0	0	0	2.0
44	CFOC119M	Training of Trainers	Online Course	1.0	0	0	0	0	3.0

		Open Elective							
45	CFOC120M	Knowledge Management	Online Course	1.0	0	0	0	0	2.0
46	CFOC121M	Leadership	Online Course	1.0	0	0	0	0	1.0
47	CFOC122M	Educational Leadership	Online Course	1.0	0	0	0	0	2.0
48	CFOC125M	Decision-Making Under Uncertainty	Online Course	1.0	0	0	0	0	1.0
49	CFOC132M	Corporate Social Responsibility	Online Course	1.0	0	0	0	0	2.0
50	CFOC133M	E-Business	Online Course	1.0	0	0	0	0	3.0
51	CFOC134M	Innovation, Business Models and Entrepreneurship	Online Course	1.0	0	0	0	0	2.0
52	CFOC137M	Intellectual Property Rights and Competition Law	Online Course	1.0	0	0	0	0	2.0
53	CFOC138M	Patent Search for Engineers and Lawyers	Online Course	1.0	0	0	0	0	2.0
54	CFOC150M	Microelectronics: Devices To Circuits	Online Course	1.0	0	0	0	0	3.0
55	CFOC152M	Pattern Recognition and Application	Online Course	1.0	0	0	0	0	3.0
56	CFOC165M	Software testing	Online Course	1.0	0	0	0	0	3.0
57	CFOC171M	Introduction to Haskell Programming	Online Course	2.0	0	0	0	0	3.0
58	CFOC174M	Introduction to Biostatistics	Online Course	1.0	0	0	0	0	2.0
59	CFOC176M	Computer Aided Drug Design	Online Course	1.0	0	0	0	0	2.0
60	CFOC177M	Drug Delivery: Principles and Engineering	Online Course	1.0	0	0	0	0	3.0
61	CFOC178M	Functional Genomics	Online Course	1.0	0	0	0	0	1.0
62	CFOC181M	WildLife Conservation	Online Course	1.0	0	0	0	0	2.0
63	CFOC182M	Organic Chemistry in Biology and Drug Development	Online Course	1.0	0	0	0	0	3.0
64	CFOC188M	Ethical Hacking	Online Course	1.0	0	0	0	0	3.0
65	CFOC190M	Positive Psychology	Online Course	1.0	0	0	0	0	2.0
66	CFOC191M	Forests and their Management	Online Course	1.0	0	0	0	0	3.0
67	CFOC193M	Bioengineering: An Interface with Biology and Medicine	Online Course	1.0	0	0	0	0	2.0
68	CFOC196M	Computational Systems Biology	Online Course	1.0	0	0	0	0	3.0
69	CFOC197M	Bio-Informatics: Algorithms and Applications	Online Course	1.0	0	0	0	0	3.0
70	CFOC203M	Natural Hazards	Online Course	1.0	0	0	0	0	2.0
71	CFOC207M	Electronic Waste Management - Issues And Challenges	Online Course	1.0	0	0	0	0	1.0
72	CFOC227M	GPU Architectures and Programming	Online Course	1.0	0	0	0	0	3.0
73	CFOC232M	Consumer Behaviour	Online Course	1.0	0	0	0	0	2.0
74	CFOC234M	Introduction to Airplane Performance	Online Course	1.0	0	0	0	0	2.0
75	CFOC235M	Rocket Propulsion	Online Course	1.0	0	0	0	0	3.0
76	CFOC236M	Aircraft Maintenance	Online Course	1.0	0	0	0	0	1.0
77	CFOC237M	Sustainable Architecture	Online Course	1.0	0	0	0	0	3.0
78	CFOC253M	Plastic Waste Management	Online Course	1.0	0	0	0	0	2.0
79	CFOC258M	Introduction to Geographic Information Systems	Online Course	1.0	0	0	0	0	1.0
80	CFOC264M	Thermodynamics	Online Course	1.0	0	0	0	0	3.0
81	CFOC273M	Transport phenomena	Online Course	1.0	0	0	0	0	3.0
82	CFOC282M	Waste to Energy Conversion	Online Course	1.0	0	0	0	0	2.0
83	CFOC323M	Advanced Chemical Thermodynamics and Kinetics	Online Course	1.0	0	0	0	0	3.0
84	CFOC329M	Design, Technology and Innovation	Online Course	1.0	0	0	0	0	2.0
85	CFOC330M	Geographic Information System	Online Course	1.0	0	0	0	0	3.0
86	CFOC332M	Fundamentals of Automotive Systems	Online Course	1.0	0	0	0	0	3.0

		Open Elective							
87	CFOC335M	Fuzzy Sets, Logic and Systems and Applications	Online Course	1.0	0	0	0	0	3.0
88	CFOC356M	Analog Circuits	Online Course	1.0	0	0	0	0	3.0
89	CFOC365M	Evolution of Air Interface towards 5G	Online Course	1.0	0	0	0	0	2.0
90	CFOC381M	Introduction to Research	Online Course	1.0	0	0	0	0	2.0
91	CFOC384M	Entrepreneurship Essentials	Online Course	1.0	0	0	0	0	3.0
92	CFOC387M	Introduction to Environmental Economics	Online Course	1.0	0	0	0	0	3.0
93	CFOC388M	Energy Resources, Economics and Environment	Online Course	1.0	0	0	0	0	3.0
94	CFOC391M	Effective Writing	Online Course	1.0	0	0	0	0	1.0
95	CFOC395M	Speaking Effectively	Online Course	1.0	0	0	0	0	2.0
96	CFOC397M	Intellectual Property	Online Course	1.0	0	0	0	0	3.0
97	CFOC400M	Language and Mind	Online Course	1.0	0	0	0	0	2.0
98	CFOC401M	The Nineteenth - Century English Novel	Online Course	1.0	0	0	0	0	3.0
99	CFOC402M	Introduction to World Literature	Online Course	1.0	0	0	0	0	3.0
100	CFOC404M	Patent Law for Engineers and Scientists	Online Course	1.0	0	0	0	0	3.0
101	CFOC405M	Economic Growth & Development	Online Course	1.0	0	0	0	0	2.0
102	CFOC406M	Human Behaviour	Online Course	1.0	0	0	0	0	2.0
103	CFOC407M	Introduction to Modern Indian Political Thought	Online Course	1.0	0	0	0	0	3.0
104	CFOC408M	English Literature of the Romantic Period, 1798 - 1832	Online Course	1.0	0	0	0	0	2.0
105	CFOC416M	Feminism : Concepts and Theories	Online Course	1.0	0	0	0	0	3.0
106	CFOC418M	Measure Theory	Online Course	1.0	0	0	0	0	3.0
107	CFOC419M	Basic Real Analysis	Online Course	1.0	0	0	0	0	3.0
108	CFOC442M	Robotics and Control : Theory and Practice	Online Course	1.0	0	0	0	0	2.0
109	CFOC469M	Financial Mathematics	Online Course	1.0	0	0	0	0	3.0
110	CFOC475M	IC Engines and Gas Turbines	Online Course	1.0	0	0	0	0	3.0
111	CFOC488M	Business Analytics For Management Decision	Online Course	1.0	0	0	0	0	3.0
112	CFOC490M	Sales and Distribution Management	Online Course	1.0	0	0	0	0	2.0
113	CFOC491M	Principles of Human Resource Management	Online Course	1.0	0	0	0	0	2.0
114	CFOC493M	Management of Inventory Systems	Online Course	1.0	0	0	0	0	3.0
115	CFOC494M	Quality Design And Control	Online Course	1.0	0	0	0	0	3.0
116	CFOC495M	Foundation Course in Managerial Economics	Online Course	1.0	0	0	0	0	2.0
117	CFOC496M	Engineering Econometrics	Online Course	1.0	0	0	0	0	3.0
118	CFOC497M	Financial Statement Analysis and Reporting	Online Course	1.0	0	0	0	0	3.0
119	CFOC498M	Business Statistics	Online Course	1.0	0	0	0	0	3.0
120	CFOC499M	Global Marketing Management	Online Course	1.0	0	0	0	0	2.0
121	CFOC500M	Marketing Research and Analysis - II	Online Course	1.0	0	0	0	0	3.0
122	CFOC503M	Marketing Analytics	Online Course	1.0	0	0	0	0	3.0
123	CFOC505M	Management of Commercial Banking	Online Course	1.0	0	0	0	0	3.0
124	CFOC508M	Entrepreneurship	Online Course	1.0	0	0	0	0	3.0
125	CFOC543M	International Business	Online Course	1.0	0	0	0	0	3.0
126	CFOC549M	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Online Course	1.0	0	0	0	0	1.0
127	CFOC550M	Numerical Analysis	Online Course	1.0	0	0	0	0	4.0

		Open Elective							
128	CFOC565M	Technologies for Clean and Renewable Energy Production	Online Course	1.0	0	0	0	0	2.0
129	CFOC570M	Public Speaking	Online Course	1.0	0	0	0	0	3.0
130	CFOC571M	Introduction To CFD	Online Course	1.0	0	0	0	0	3.0
131	CFOC572M	Dairy And Food Process And Products Technology	Online Course	1.0	0	0	0	0	3.0
132	CFOC573M	Fundamentals Of Food Process Engineering	Online Course	1.0	0	0	0	0	3.0
133	CFOC575M	Wildlife Ecology	Online Course	1.0	0	0	0	0	3.0
134	CFOC576M	Integrated Waste Management For A Smart City	Online Course	1.0	0	0	0	0	3.0
135	CFOC577M	Introduction To Multimodal Urban Transportation Systems (MUTS)	Online Course	1.0	0	0	0	0	3.0
136	CFOC578M	Wastewater Treatment And Recycling	Online Course	1.0	0	0	0	0	3.0
137	CFOC580M	Real-Time Systems	Online Course	1.0	0	0	0	0	3.0
138	CFOC581M	Algorithmic Game Theory	Online Course	1.0	0	0	0	0	3.0
139	CFOC582M	Computational Number Theory and Algebra	Online Course	1.0	0	0	0	0	3.0
140	CFOC583M	Power System Protection	Online Course	1.0	0	0	0	0	3.0
141	CFOC584M	Accreditation And Outcome Based Learning	Online Course	1.0	0	0	0	0	2.0
142	CFOC587M	Economics of Banking and Finance Markets	Online Course	1.0	0	0	0	0	3.0
143	CFOC588M	Concepts Of Thermodynamics	Online Course	1.0	0	0	0	0	3.0
144	CFOC589M	Engineering Drawing And Computer Graphics	Online Course	1.0	0	0	0	0	3.0
145	CFOC590M	Management Information System	Online Course	1.0	0	0	0	0	3.0
146	CFOC591M	Principles Of Management	Online Course	1.0	0	0	0	0	3.0
147	CFOC592M	Stress Management	Online Course	1.0	0	0	0	0	1.0
148	CFOC593M	Corporate Finance	Online Course	1.0	0	0	0	0	3.0
149	CFOC594M	Customer Relationship Management	Online Course	1.0	0	0	0	0	2.0
150	CFOC597M	Globalization And Culture	Online Course	1.0	0	0	0	0	2.0
151	CFOC598M	Elements of Visual Representation	Online Course	1.0	0	0	0	0	2.0
152	CFOC619M	Corporate Finance_2	Online Course	1.0	0	0	0	0	2.0

		Bridge Course							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BENG101N	Effective English Communication	Lab Only	1.0	0	0	4	0	2.0

		Non-graded Core Requirement							
sl.no	Course Code	Course Title	Course Type	Version	L	T	P	J	Credits
1	BCHY102N	Environmental Sciences	Online Course	1.0	0	0	0	0	2.0
2	BCSE101N	Introduction to Engineering	Project	1.0	0	0	0	0	1.0
3	BEXC100N	Extracurricular Activities / Co-Curricular Activities - B.Tech. Programmes	Basket	1.0	0	0	0	0	2.0
4	BHUM101N	Ethics and Values	Online Course	1.0	0	0	0	0	2.0

		Non-graded Core Requirement							
5	BSSC101N	Essence of Traditional Knowledge	Online Course	1.0	0	0	0	0	2.0
6	BSSC102N	Indian Constitution	Online Course	1.0	0	0	0	0	2.0