DEPARTMENT OF HUMANITIES AND MANAGEMENT
Manipal Institute of Technology (MIT)

B.Tech. Computer Science and Financial Technology

Program Structure for Batch of 2023-2027

FIRST YEAR

Sem	Course Title	L-T-P-C	Credit
I	Common to All Branches		22
II			22

SECOND YEAR

Sem	Course Title	L-T-P-C	Credit
	Mathematics for Finance	4-0-0-4	4
	Object Oriented Programming	4-0-0-4	4
	Algorithms & Data Structures	4-0-0-4	4
	Introduction to Banking, Payments and Capital Markets	4-0-0-4	4
III	Database Management Systems	3-0-0-3	3
	Object Oriented Programming Lab-Java	0-0-3-1	1
	Data Base Management Systems Lab	0-0-3-1	1
	Algorithms & Data structure - Lab	0-0-3-1	1
	Total		**22**

Sem	Course Title	L-T-P-C	Credit
	Probability, Stochastic Process and Operations Research	4-0-0-4	4
	Accounting For Engineers	3-0-0-3	3
	Cyber Security	3-0-0-3	**3**
IV	Introduction to Fintech	3-0-0-3	**3**
	Computer Networks	3-0-0-3	3
	Financial management	3-0-0-3	**3**
	Fintech Lab	0-0-6-2	2
	Total		**21**

THIRD YEAR

Sem	Course Title	L-T-P-C	Credit
V	Software Application Design	3-0-0-3	3
	Embedded and Decentralised Finance	3-0-0-3	3
	Banking Technology	4-0-0-4	4
	Statistics for Finance	3-0-0-3	3
	Operating system	3-0-0-3	3
	CPI	3-0-0-3	3
	Software Application Design-Lab	0-0-3-1	1
	Banking Technology lab	0-0-3-1	1
		Total	**21**

Sem	Course Title	L-T-P-C	Credit
VI	Machine Learning & Deep learning	4-0-0-4	4
	Essentials of Management	3-0-0-3	3
	Capital Markets Technology	3-0-0-3	3
	Program Elective-1	3-0-0-3	3
	Program Elective-2	3-0-0-3	3
	Open Elective	3-0-0-3	3
	Capital Markets Lab	0-0-3-1	1
	Machine Learning Lab	0-0-3-1	1
		Total	**21**

FOURTH YEAR

Sem	Course Title	L-T-P-C	Credit
VII	Program Elective-3	3-0-0-3	3
	Program Elective-4	3-0-0-3	3
	Program Elective-5	3-0-0-3	3
	Program Elective-6	3-0-0-3	3
	Program Elective-7	3-0-0-3	3
	Management Research Methods (Open Elective)	3-0-0-3	3
		Total	**18**

Sem	Course Title	L-T-P-C	Credit
VIII	Industrial Training Report		1
	Project work/Practice school		12
		Total	**13**