

**Bachelor of Computer Application Scheme of Curriculum
W.E.F. :- 2022-2023**

Course Code	Course Name	L	T	P	CREDIT
Semester - I					
13990101	Programming In C	3	0	2	4
13990102	Computer Fundamental and Emerging Technology	3	0	2	4
13000102	Basic Mathematics -I	3	1	0	4
13000103	Environmental Science	3	1	0	4
13000101	Foundation course in English	3	0	0	3
	TOTAL	15	2	4	19

Semester - II					
13990201	Advanced C & Data Structure	3	0	2	4
13990202	Database Management System	3	0	2	4
13000202	Discrete Mathematics	3	1	0	4
13000201	Soft skills and personality Development	3	0	0	3
13990203	Basics of WebTechnology	3	0	2	4
	TOTAL	15	1	6	19

Semester - III					
13990306	Object Oriented Programming With C ++	3	0	2	4
13990307	Web Programming using PHP	3	0	2	4
13990308	Operating System	3	0	2	4
13990309	System Analysis and Design	3	0	2	4

	Elective	3	0	0	3
13990310	Machine Learning Fundamantals - I				
13990312	Introduction to Decentralized Finanace - I				
	Elective	3	0	2	4
13990311	Data Analysis and Visualization Tools - II				
13990313	Cryptocurreny and Digital Ledgers - II				
	TOTAL	18	0	10	23

Semester - IV					
13990405	Linux Programming with Shell Scripting	3	0	2	4
13990406	Data Warehousing and Mining	3	0	0	3
13990407	Data Communicaton And Networks	3	0	2	4
13990408	Java Programming	3	0	2	4
	Elective	3	0	0	3
13990409	Deep Learning Fundamentals - III				
13990411	Enterprise Blockchain Application and Hyper Ledger - III				
	Elective	3	0	2	4
13990410	Open Source Machine Learning Tools - IV				
13990412	Progrraming Fundamentals: Golang - IV				
	TOTAL	18	0	8	22

Semester - V					
13990506	RDBMS & Advanced Database Administartion	3	0	2	4
13990507	Basics of Cloud Computing	3	0	0	3
13990508	Programming using Python	3	0	2	4
13990509	Cryptography and Network Security	3	1	0	4
13990510	Mini Project	0	0	4	2
	Elective	3	0	0	3
13990511	Artificial Neural Networks and Fuzzy Logic - V				

13990512	Building Secure BlockChain Applications - V				
	TOTAL	15	1	8	20

Semester - VI					
1399601	Project	0	0	-	12
	TOTAL	0	0	-	12

