Bachelor of Computer Applications with Industry Oriented Specialization in Data Analytics

Revised Scheme from 2023

Semester 1

S No.	Name of the Cour	L	T	P	S	C	H	Remarks
1	Open Elective-I	3	0	0	0	3	3	
2	Discrete Mathemat	3	0	0	0	3	3	
3	Computer System	3	0	0	0	3	3	
4	Programming for I	3	0	1	1	5	8	
5	Co-curricular Elec	2	0	0	0	2	2	
6	Vocational Elective	3	0	1	0	4	5	
	Total Credits (BC	17	0	2	1	20	24	

Proposed Scheme from 2023

Semester II

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Open Elective-II	3	0	0	0	3	3	
2	Probability and Sta	3	0	0	0	3	3	
3	Data Structures	3	0	1	0	4	5	
4	Object Oriented Pr	3	0	1	1	5	8	
5	Database Managen	3	0	1	1	5	8	
	Total Credits (BC	15	0	3	2	20	27	

Open Elective-II for II sem

SN	Name of the Cour	L	T	P	S	C	H	School
1	Environmental Lite	3	0	0	0	3	3	SOLE
2	Linear Algebra	3	0	0	0	3	3	SBS
3	Understanding Ind	3	0	0	0	3	3	SOLE
4	Report Writing	3	0	0	0	3	3	SOLE
5	Environmental Stu	3	0	0	0	3	3	SBS
6	Introduction to Jap	3	0	0	0	3	3	SOLE

Semester III

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Open Elective-III	3	0	0	0	3	3	
2	Operating Systems	3	0	1	0	4	5	
3	Design and Analys	3	0	1	0	4	5	
4	Java Programming	3	0	1	1	5	8	
5	Elective-I	3	0	0	0	3	3	
	Total Credits (BC	15	0	3	1	19	24	

Semester IV

Sl No	Name of the Cour	L	T	P	S	C	H	Remarks
1	Machine Learning	3	0	1	1	5	8	
2	Open Elective-IV	3	0	0	0	3	3	
3	Computer Network	3	0	0	0	3	3	
4	Advanced Web Tec	3	0	1	1	5	8	
5	Introduction to Da	3	0	1	0	4	5	DA Specialization
	Total Credits (BC	15	0	3	2	20	27	

Semester V

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Software Engineer	3	0	1	0	4	5	ts will do project in
2	Open Elective-V	3	0	0	0	3	3	
3	Campus to Corpor	1	0	1	0	2	3	
4	Mobile Applicatio	3	0	1	1	5	8	
5	Project	0	0	0	0	4	0	
6	Internship	0	0	0	0	4	0	
7	Advanced Data An	3	0	1	0	4	5	DA Specialization

		L	T	P	S	C	H	Remarks
	Total Credits (BC	13	0	4	1	26	24	

Proposed Scheme from 2023

Semester VI

Sl No	Name of the Cour	L	T	P	S	C	H	Remarks
1	Capstone Project	0	0	0	0	15		
	Total Credits (BC	0	0	0	0	15	0	

	Credits	I	II	III	IV	V	VI	ToTal
	BCA Specialisatio	20	20	19	20	26	15	120

Proposed Scheme from 2023

List of Electives-I for Semester- III

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Introduction to Da	3	0	0	0	3	3	
2	Introduction to Co	3	0	0	0	3	3	

List of Electives-II for Semester- IV

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Cryptography	3	0	1	0	4	5	
2	Computer Graphic	3	0	1	0	4	5	

List of Electives-III for Semester- V

SN	Name of the Cour	L	T	P	S	C	H	Remarks
1	Data Mining and V	3	0	1	0	4	5	
2	BigData	3	0	1	0	4	5	

Specializations Core-I (IV sem)

Sl No	Name of the Elect	L	T	P	S	C	H	Remarks
1	Introduction to Da	3	0	1	0	4	5	DA

Specializations Core-II (V Sem)								
Sl No	Name of the Elect	L	T	P	S	C	H	Remarks
1	Advanced Data An	3	0	1	0	4	5	DA

Vocational category for the programmes which follow NEP 2020								
SN	Course Name	L	T	P	S	C	H	Remarks
1	Introduction to We	3	0	1	0	4	5	Semester 1 and 2
2	Introductory Comp	3	0	1	0	4	5	
3	Office Automation	3	0	1	0	4	5	Semester 3 and 4
4	Introduction to Sys	3	0	1	0	4	5	

Open Elective Basket								
SN	Course Name	L	T	P	S	C	H	Remarks
1	Introduction to Jap	3	0	0	0	3	3	Semester 1 and 2
2	Introduction to Jap	3	0	0	0	3	3	
3	Maths and Puzzles	3	0	0	0	3	3	
4	Environmental Lite	3	0	0	0	3	3	
5	Environmental Stu	3	0	0	0	3	3	
6	Heartfulness (SOL	3	0	0	0	3	3	
7	Introduction to Co	3	0	0	0	3	3	Semester 3 and 4
8	Understanding Ind	2	0	1	0	3	4	
9	Linear Algebra	2	0	1	0	3	4	
10	Report Writing	3	0	0	0	3	3	
11	Principles of Mana	3	0	0	0	3	3	