

COURSE SCHEME											
BATCH 2019-2022											
BACHELOR OF COMPUTER APPLICATION											
CHOICE BASED CREDIT SYSTEM											
SEMESTER I											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.101	Computer Fundamentals	3	0	0	20	10	30	70	100	3
2	3C.102	Fundamentals of Computer Programming	3	0	0	20	10	30	70	100	3
3	3C.131	Principles of Management	4	0	0	20	10	30	70	100	4
4	3C.104	Software Constructs and Tools	4	0	0	20	10	30	70	100	4
5	3C.103	Mathematical Foundation for Computer Science	4	0	0	20	10	30	70	100	4
6	40B.101	Life Skills 1	2	0	0	20	10	30	70	100	2
PRACTICAL /SESSIONAL											
1	3CP.101	MS-Office	0	0	2			30	20	50	1
2	3CP.102	C Programming Lab	0	0	2			30	20	50	1
									TOTAL	700	22
SEMESTER II											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.153	Data Structure and Algorithms	3	0	0	20	10	30	70	100	3
2	3C.154	Operating Systems	4	0	0	20	10	30	70	100	4
3	3C.155	VB.Net	3	0	0	20	10	30	70	100	3
4	3C.152	Computer Architecture	4	0	0	20	10	30	70	100	4
5	3C.182	Discrete Mathematics**	4	0	0	20	10	30	70	100	4
6	40B.151	Life Skills 2	2	0	0	20	10	30	70	100	2
PRACTICAL /SESSIONAL											
1	3CP.153	Data Structure Lab	0	0	2			30	20	50	1
2	3CP.155	Visual Programming Lab	0	0	2			30	20	50	1
									TOTAL	700	22

SEMESTER III

S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.201	Object Oriented Programming with C++	3	0	0	20	10	30	70	100	3
2	3C.202	Database Management Systems	3	0	0	20	10	30	70	100	3
3	3C.203	Software Engineering Techniques	4	0	0	20	10	30	70	100	4
4	3C.221	E-Commerce	4	0	0	20	10	30	70	100	4
5	14B.201	Disaster Management**	3	0	0	20	10	30	70	100	0
6	40B.201	Communication and Soft Skills	2	0	0	20	10	30	70	100	2

PRACTICAL /SESSIONAL

1	3CP.202	Database Management Systems Lab	0	0	2			30	20	50	1
2	3CP.201	Object Oriented Programming with C++ Lab	0	0	2			30	20	50	1
TOTAL									700	18	

SEMESTER IV

S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.273	Computer Graphics	3	0	0	20	10	30	70	100	3
2	3C.271	Data Communication	4	0	0	20	10	30	70	100	4
3	3C.251	Unix and Shell Programming	3	0	0	20	10	30	70	100	3
4	3C.272	Numerical Analysis and Statistical Methods	4	0	0	20	10	30	70	100	4
5	40B.251	Professional skills	2	0	0	20	10	30	70	100	2

PRACTICAL /SESSIONAL

1	3CP.273	Computer Graphics Lab	0	0	2			30	20	50	1
2	3CP.251	Unix and Shell Programming Lab	0	0	2			30	20	50	1
TOTAL									600	18	

SEMESTER V

S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.301	Programming in Java	3	0	0	20	10	30	70	100	3
2	3C.321	Data Mining and Warehousing	4	0	0	20	10	30	70	100	4
3		Departmental Elective	4	0	0	20	10	30	70	100	4
4	3C.323	Cloud Computing	4	0	0	20	10	30	70	100	4
5	3C.324	Soft Computing	4	0	0	20	10	30	70	100	4
6	40B.401	Seminar in Executive Communication**	2	0	0	20	10	30	70	100	0

PRACTICAL /SESSIONAL

1	3CP.301	Programming in Java Lab	0	0	2			30	20	50	1
TOTAL									650	20	

SEMESTER VI											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3C.351	Technique of Artificial Intelligence	3	0	0	20	10	30	70	100	3
2	9.152	Environmental Studies	4	0	0	20	10	30	70	100	4
3	40B.451	Human Values & Ethics**	2	0	0	20	10	30	70	100	0
4		Open Elective	4	0	0	20	10	30	70	100	4
PRACTICAL /SESSIONAL											
1	3C.395	Project	0	0	0			100	100	200	8
2	3CP.351	AI using Python Lab	0	0	1			30	20	50	1
								TOTAL	650	20	

Total Credits		120			
Semester 1				22	
Semester 2				22	
Semester 3				18	
Semester 4				18	
Semester 5				20	
Semester 6				20	
5th Semester					
Departmental Electives					
3C.322	Internet and Website Management	4	0	0	4
3.421	Cryptography and Network Security	4	0	0	4
6.304	Digital Signal Processing	4	0	0	4
6.255	Digital Electronics	4	0	0	4
6th Semester					
Open Elective					
11.202	Research Methodology	4	0	0	4
11.301	Project Management	4	0	0	4
6.304	Digital Signal Processing	4	0	1	4
11.254	Business Ethics	4	0	1	4

**** Denotes Qualifying Non Credit Course**

MOOCS introduced through SWAYAM in all Semesters