1. Programme Structure- B.C.A. (Bachelor of Computer Applications)

1. Professional Core Courses (C)
(13 Courses)

Course Code	Course Title	L	T	P	C
USA20101J	Programming for Problem Solving	4	0	4	6
USA20102J	Digital Logic Fundamentals	4	0	2	5
USA20201J	Object Oriented Programming	4	0	4	6
USA20202J	Data Structures and Algorithms	4	0	2	5
USA20301J	Programming in Java	4	0	4	6
USA20302J	Operating Systems	4	0	4	6
UCA20401J	Windows Programming using VB.NET	4	0	4	6
USA20401J	Database Systems	4	0	4	6
UMS20402T	Resource Management Techniques	4	0	0	4
USA20501J	Web Programming	4	0	4	6
USA20502J	Computer Networks	4	0	2	5
USA20503J	Software Engineering and Testing	4	0	2	5
USA20601J	Python Programming	4	0	4	6
Total Learning Credits					**72**

2. Discipline Specific Elective Courses (E)
(4 Courses)

Course Code	Course Title	L	T	P	C
UCA20D01J	Web development using Node JS and Mongo	4	0	4	6
UCA20D02J	Web development using React JS and Mongo				
UCA20D03J	Web development using Angular JS and Mongo				
UCA20D04J	Multimedia and Animation	4	0	4	6
UCA20D05J	Data Analysis using R				
UCA20D06J	Artificial Intelligence				
UCA20D07J	Multimedia Design Principles and Applications	4	0	4	6
UCA20D08J	Object Oriented Analysis and Design				
UCA20D09J	Internet of Things				
UCA20D10J	Project Work	0	2	12	6
Total Learning Credits					**24**

3. Generic Elective Courses (G)
(5 Courses)

Course Code	Course Title	L	T	P	C
ULT20G01T	Tamil-I	2	0	2	3
ULH20G01T	Hindi-I				
ULF20G01T	French-I				
ULT20G02T	Tamil-II	2	0	2	3
ULH20G02T	Hindi-II				
ULF20G02T	French –II				
UMS20G01T	Discrete Mathematical Structures	3	1	0	4
UMS20G02T	Mathematical Foundation	3	1	0	4
UMS20G03T	Statistical Methods	3	1	0	4
Total Learning Credits					**18**

4. Ability Enhancement Courses (A)
(3 Courses)

Course Code	Course Title	L	T	P	C
ULE20AE1T	English	4	0	0	4
ULE20AE2T	Environmental Studies	3	1	0	3
Total Learning Credits					**7**

6. Extension Activity (NS/NC/NO/YG)
(Any 1 Course - Mandatory)

Course Code	Course Title	L	T	P	C
UNS20201L	NSS	0	0	1	0
UNC202011	NCC				
UNO20201L	NSO				
UYG20201L	YOGA				
Total Learning Credits					**0**

5. Skill Enhancement Courses(S)
(6 Courses+ My India Project)

Course Code	Course Title	L	T	P	C
UCA20S01T	Introduction to IT	2	0	0	2
UCA20S02J	Go Programming	1	0	1	2
UCA20S03L	Lua Programming	0	0	2	1
UCA20S04L	Statistical Package for Social Sciences	0	0	2	1
UMI20S01L	My India Project	0	0	0	1
UCD20S01T	Soft Skills	0	2	0	1
UCD20S02T	Quantitative Techniques	0	2	0	1
Total Learning Credits					**9**

7. Life Skill Courses (JK)
(4 Courses)

Course Code	Course Title	L	T	P	C
UJK20201T	Communication Skills Lab	0	2	2	2
UJK20301T	Universal Human Values	2	0	0	2
UJK20401T	Leadership Skills	2	0	0	2
UJK20501T	Professional Skills	2	0	0	2
Total Learning Credits					**8**

Total Learning Credits : 138

2. Implementation Plan

Semester – I

Code	Course Title	L	T	P	C
USA20101J	Programming for Problem Solving	4	0	4	6
USA20102J	Digital Logic Fundamentals	4	0	2	5
ULT20G01T	Tamil-I				
ULH20G01T	Hindi-I	2	0	2	3
ULF20G01T	French-I				
UMS20G01T	Discrete Mathematical Structures	3	1	0	4
UCA20S01T	Introduction to IT	2	0	0	2
UCD20S01T	Soft Skills	0	2	0	1
ULE20AE1T	English	4	0	0	4
	Total Learning Credits	19	3	8	25
	Total number of hours /week				30

Semester – II

Code	Course Title	L	T	P	C
USA20201J	Object Oriented Programming	4	0	4	6
USA20202J	Data Structures and Algorithms	4	0	2	5
ULT20G02T	Tamil-II				
ULH20G02T	Hindi-II	2	0	2	3
ULF20G02T	French-II				
UMS20G02T	Mathematical Foundation	3	1	0	4
UCA20S02J	Go programming	1	0	1	2
UJK20201T	Communication Skills Lab	0	2	2	2
UCD20S02T	Quantitative Techniques	0	2	0	1
UNS20201L	NSS				
UNC202011	NCC	0	0	0	0
UNO20201L	NSO				
UYG20201L	YOGA				
	Total Learning Credits	14	5	11	23
	Total number of hours /week				30

Semester – III

Code	Course Title	L	T	P	C
USA20301J	Programming in Java	4	0	4	6
USA20302J	Operating Systems	4	0	4	6
UMS20G03T	Statistical Methods	3	1	0	4
UMI20S01L	My India Project	0	0	0	1
UCA20D01J	Web development using Node JS and Mongo				
UCA20D02J	Web development using React JS and Mongo	4	0	4	6
UCA20D03J	Web development using Angular JS and Mongo				
UJK20301T	Universal Human Values	2	0	0	2
	Total Learning Credits	17	1	12	25
	Total number of hours /week				30

Semester - IV

Code	Course Title	L	T	P	C
UCA20401J	Windows Programming using VB.NET	4	0	4	6
USA20401J	Database Systems	4	0	4	6
UMS20402T	Resource Management Techniques	4	0	0	4
UCA20D04J	Multimedia and Animation				
UCA20D05J	Data Analysis using R	4	0	4	6
UCA20D06J	Artificial Intelligence				
UJK20401T	Leadership Skills	2	0	0	2
	Total Learning Credits	18	0	12	24
	Total number of hours /week				30

Semester –V

Code	Course Title	L	T	P	C
USA20501J	Web Programming	4	0	4	6
USA20502J	Computer Networks	4	0	2	5
USA20503J	Software Engineering and Testing	4	0	2	5
UCA20S03L	Lua Programming	0	0	2	1
UCA20S04L	Statistical Package for Social Sciences	0	0	2	1
ULE20AE3T	Environmental Studies	3	1	0	3
UJK20501T	Professional Skills	2	0	0	2
	Total Learning Credits	17	1	12	23
	Total number of hours /week				30

Semester - VI

Code	Course Title	L	T	P	C
USA20601J	Python Programming	4	0	4	6
UCA20D07J	Multimedia Design Principles and Applications				
UCA20D08J	Object Oriented Analysis and Design	4	0	4	6
UCA20D09J	Internet of Things				
UCA20D10J	Project Work	0	2	12	6
	Total Learning Credits	8	2	20	18
	Total number of hours /week				30

Total Learning Credits: 138