(SEP) Subjects for 1st & 2nd semester
Course Content for Bachelor of Computer Applications (BCA)

Curriculum Structure Program: BCA				Subject: Computer Applications			
Semester	**Course Code**	**Title of the Paper**	**Credits (L+P)**	**No. of Hours / Per Weak**	**Marks**		**Total Credits**
					SEE	**IA**	
I		Language-I	3+0	4	80	20	24
		English-I	3+0	4	80	20	
	CA1T1	Fundamentals of Computers	4+0	4	80	20	
	CA1T2	Programming in C	4+0	4	80	20	
	CA1T3	Computational Discrete Mathematics	4+0	4	80	20	
	CA1P1	Office Automation Lab	0+2	4	40	10	
	CA1P2	C Programming Lab	0+2	4	40	10	
		Constitutional Values-I	2+0	2	40	10	
II		Language-II	3+0	4	80	20	24
		English-II	3+0	4	80	20	
	CA2T1	Data Structures Using C	4+0	4	80	20	
	CA2T2	Statistical Methods using R Programming	4+0	4	80	20	
	CA2T3	Operating System Concepts	4+0	4	80	20	
	CA2P1	Data Structures Lab	0+2	4	40	10	
	CA2P2	R Programming Lab	0+2	4	40	10	
		Constitutional Values-II	2+0	2	40	10	

Subjects for 3rd & 4th semester

Course Content for Bachelor of Computer Applications (BCA)

Curriculum Structure Program: BCA							Subject: Computer Applications
Semester	**Course Code**	**Title of the Paper**	**Credits (L+P)**	**No. of Teaching Hours / Per Week**	**Marks**		**Total Credits**
					SEE	**IA**	
III		Language-III	3+0	4	80	20	24
		English-III	3+0	4	80	20	
	CA3T1	Object Oriented Concepts using JAVA	4+0	4	80	20	
	CA3T2	Data Base Management Systems	4+0	4	80	20	
	CA3T3	Design and Analysis of Algorithms	4+0	4	80	20	
	CA3P1	Java Programming Lab	0+2	4	40	10	
	CA3P2	DBMS Lab	0+2	4	40	10	
	DSE1	Internet of Things / Cloud Computing	2+0	2	40	10	
IV		Language-IV	3+0	4	80	20	24
		English-IV	3+0	4	80	20	
	CA4T1	Python Programming	4+0	4	80	20	
	CA4T2	Artificial Intelligence & Applications	4+0	4	80	20	
	CA4T3	Computer Networks	4+0	4	80	20	
	CA4P1	Python Programming Lab	0+2	4	40	10	
	CA4P2	Artificial Intelligence Lab using Python	0+2	4	40	10	
	CMVII	Constitutional Moral Values-II	2+0	2	40	10	
	DSE2	Fundamentals of Data Science / Machine Learning	2+0	2	40	10	