

Course Structure For Computer Applications (BCA) Programme Under Four Year Under Graduate Programme (FYUUGP)						
Sem	Paper Code	Paper Title	Credits	L-T-P	Total Credits	Contact Hours
SEM-1	CC-1	Hindi	6		6	90
	CC-2	Understanding India	2		2	30
	CC-3	Yoga	2		2	30
	IRC-1	Fundamentals of Internet	3	2_1_0	3	45
	IVS-1A	EntrePreneurial Development Programmes	3		3	45
	MJ-1 (Th)	Computer Fundamentals and Introduction to Programming Using C	4	4_0_2	6	60
	MJ-1 (Pr)	Programming using C Lab	2			30
SEM-2	CC-4		6		6	90
	CC-5		2		2	30
	CC-6		2		2	30
	IRC-2		3		3	45
	IVS-1B		3		3	45
	MJ-2 (Th)	Object Oriented Programming using Java	4	4_0_2	6	60
	MJ-2 (Pr)	Object Oriented Programming using Java Lab	2			60
SEM-3	CC-7		3		3	45
	CC-8		3		3	45
	CC-9		3		3	45
	IRC-3		3		3	45
	IAP	Internship/ApPrenticeship/Project	4	0_0_4	4	60
	MJ-3 (Th)	Database Management System	4	4_0_2	6	60
	MJ-3 (Pr)	Database Management System (SQL) Lab	2			60
SEM-4	MJ-4 (Th)	PyThon Programming Language	4	4_0_2	6	60
	MJ-4 (Pr)	PyThon Programming Lab	2			60
	MJ-5 (Th)	Data Structure using C	4	4_0_2	6	60
	MJ-5 (Pr)	Data Structure using C Lab	2			60
	MN-1 (Th)	Web Technologies	4	4_0_2	6	60
	MN-1 (Pr)	Web Technologies Lab	2			60
	VS-1	Software Engineering	4	3_1_0	4	60
	MJ-6 (Th)	GUI Programming using VB.NET	4	4-0-2	6	60
MJ-6 (Pr)	VB.NET Programming Lab	2			60	
SEM-5	MJ-7 (Th)	Operating System and Introduction to Linux	4	4-0-2	6	60
	MJ-7 (Pr)	Linux Command and Shell Programming Lab	2			60
	MN-2 (Th)	Introduction to Data Science	4	4-0-2	6	60
	MN-2 (Pr)	Data Science using PyThon Lab	2			60
	VS-2 (Th)	Numerical MeThods using PyThon	2	2-0-2	4	30
	VS-2 (Pr)	Numerical MeThods using PyThon Lab	2			60
	MJ-8 (Th)	Data Communication and Computer Network	4	4-0-2	6	60
	MJ-8 (Pr)	Data Communication and Computer Network Lab	2			60
SEM-6	MJ-9 (Th)	Web Development using JSP & MySQL	4	4-0-2	6	60
	MJ-9 (Pr)	Web Development using JSP & MySQL Lab	2			60
	MN-3	Business Intelligence	6	5_1_0	6	90
	VS-3	Digital Logic Design and Computer Organisation	4	3_1_0	4	60
	AMJ-1 (Th)	Data Mining	4	4-0-2	6	60
	AMJ-1 (Pr)	Data Mining Lab	2			60
SEM-7	AMJ-2 (Th)	Big Data Analytics	4	4-0-2	6	60
	AMJ-2 (Pr)	Big Data Analytics Lab	2			60
	RC-1	Research MeThodology	6		6	90
	RC-2	Research Proposal	4		4	60
	AMJ-3 (Th)	Artificial Intelligence	4	4-0-2	6	60
	AMJ-3 (Pr)	Artificial Intelligence Lab	2			60
SEM-8	AMJ-4 (Th)	Information Security	4	4-0-2	6	60
	AMJ-4 (Pr)	Information Security Lab	2			60
	RC-3	Research Internship/Field Work	4		4	60
	RC-4	Research Report	4		4	60
	VSR	Project Management	2	2_0_0	2	30
	TOTAL CREDITS					