

T. JOHN COLLEGE
AUTONOMOUS
Re-accredited 'A' Grade by NAAC | Affiliated to Bangalore University
Recognised under section 2(f) & 12(B) of UGC



Bachelor of Computer Applications							
SEMESTER-I							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
LAN1.1	Language- I (Kannada, Hindi, Tamil, Malayalam, Arabic, Telugu, Urdu,French)	AECC	3+0+0	40	60	100	3
LAN1.2	Language- II - General English	AECC	3+0+0	40	60	100	3
BCA1.1T	Discrete Structure	DSC	3+0+0	40	60	100	3
BCA1.2T	Problem-solving Techniques	DSC	3+0+0	40	60	100	3
BCA1.3T	Data Structure	DSC	3+0+0	40	60	100	3
BCA1.2P	C Programming Lab	DSC	0+0+4	25	25	50	2
BCA1.3P	Data Structure Lab	DCS	0+0+4	25	25	50	2
OEC1.1	Event Management Service Quality Management Financial Literacy/Business Documents	OEC	3+0+0	40	60	100	3
AECC1.1	Enviornmental studies	AECC	1+0+2	40	60	100	3
SECVB1.1	Physical Education	SEC - VB	0+0+2	25	-	25	1
SECVB1.2	Health and Wellness	SEC - VB	0+0+2	25	-	25	1
SUB TOTAL				**380**	**470**	**850**	**27**

SEMESTER- II							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
LAN2.1	Language- I (Kannada, Hindi, Tamil, Malayalam, Arabic, Telugu, Urdu,French)	AECC	3+1+0	40	60	100	3
LAN2.2	Language- II - General English	AECC	3+1+0	40	60	100	3
BCA2.1T	Computer Architecture	DSC	3+0+0	40	60	100	3
BCA2.2T	Object Oriented Programming using Java	DSC	3+0+0	40	60	100	3
BCA2.3T	Database Management System	DSC	3+0+0	40	60	100	3
BCA2.2P	Java Lab	DSC	0+0+4	25	25	50	2
BCA2.3P	Database Management System Lab	DSC	0+0+4	25	25	50	2
OEC2.1	Retail Management Food safety anf Hygiene Fundamentals of Investments in Capital Market	OEC	3+0+0	40	60	100	3
SEC2.1	Office Automation	SEC	2+0+0	20	30	50	2
SECVB2.1	Sports	VBC	0+0+2	25		25	1
SECVB2.2	NSS/ NCC	VBC	0+0+2	25		25	1
SUBTOTAL				**360**	**440**	**800**	**26**

SEMESTER- III							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
LAN3.1	Language- I (Kannada, Hindi, Tamil, Malayalam, Arabic, Telugu, Urdu,French)	AECC	3+1+0	40	60	100	3
LAN3.2	Language- II - General English	AECC	3+1+0	40	60	100	3
BCA3.1T	Operating System	DSC	3+0+0	40	60	100	3
BCA3.2T	Computer Networks	DSC	3+0+0	40	60	100	3
BCA3.3T	Python Programming	DSC	3+0+0	40	60	100	3
BCA3.2P	Computer Networks Lab	DSC	0+0+4	25	25	50	2
BCA3.3P	Python Programming Lab	DSC	0+0+4	25	25	50	2
OEC3.1	Social Media Marketing Investment in stock market Sustainable Tourism and Hospitality	OEC	3+0+0	40	60	100	3
SEC3.1	India and Indian Constitution	SEC	2+0+0	40	60	100	3
SECVB3.1	Sports	VBC	0+0+2	25		25	1
SECVB3.2	NSS/ NCC	VBC	0+0+2	25		25	1
SUB TOTAL				**380**	**470**	**850**	**27**

SEMESTER- IV							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
LAN4.1	Language- I (Kannada, Hindi, Tamil, Malayalam, Arabic, Telugu, Urdu,French)	AECC	3+1+0	40	60	100	3
LAN4.2	Language- II - General English	AECC	3+1+0	40	60	100	3
BCA4.1T	Software Engineering	DSC	3+0+0	40	60	100	3
BCA4.2T	Design and Analysis of Algorithm	DSC	3+0+0	40	60	100	3
BCA4.3T	Internet Technologies	DSC	3+0+0	40	60	100	3
BCA4.2P	Design and Analysis of Algorithm Lab	DSC	0+0+4	25	25	50	2
BCA4.3P	Internet Technologies Lab	DSC	0+0+4	25	25	50	2
OEC4.1	Business Leadership Skills	OEC	3+0+0	40	60	100	3
SEC4.1	Graphical Design-Various Tools	SEC	2+0+0	20	30	50	2
SECVB4.1	Sports	VBC	0+0+2	25		25	1
SECVB4.2	NSS/ NCC	VBC	0+0+2	25		25	1
SUB TOTAL				**360**	**440**	**800**	**26**

SEMESTER- V							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
BCA5.1T	Data Analytics	DSC	3+0+0	40	60	100	3
BCA5.2T	Web Programming	DSC	3+0+0	40	60	100	3
BCA5.3T	Artificial Intellience	DSC	4+0+0	40	60	100	4
BCA5.1P	Data Analytics Lab	DSC	0+0+4	25	25	50	2
BCA5.2P	Web Programming Lab	DSC	0+0+4	25	25	50	2
BCA1V5.4T	Quantitative Technique	Vocational - 1	3+0+0	40	60	100	3
BCA1E5.5T	Elective1: Data Mining Elective 2: Cloud Computing for IOT	Elective	3+0+0	40	60	100	3
SEC5.1	CyberSecurity	SEC	2+0+0	40	60	50	3
SUB TOTAL				**290**	**410**	**650**	**23**

SEMESTER- VI							
Course Code	**Title of the Course**	**Category of the Course**	**Teaching Hours per week (L+T+P)**	**CIE**	**SEE**	**Total Marks**	**Credits**
BCA6.1T	Machine Learning	DSC	4+0+0	40	60	100	4
BCA6.2T	Mobile Application Development	DSC	4+0+0	40	60	100	4
BCA6.3P	Machine Learning Lab	DSC	0+0+4	25	25	50	2
BCA6.3P	Mobile Application Development Lab	DSC	0+0+4	25	25	50	2
BCA2V6.4T	Electronic Content Design	Vocational - 1	3+0+0	40	60	100	3
BCA2E6.5T	Elective1: Software Testing Elective 2: Block Chain Technologies	Elective	3+0+0	40	60	100	3
BCA6.6P	Internship			50	50	100	2
BCA6.7P	Project			40	60	100	4
SUB TOTAL				**300**	**400**	**700**	**24**