

Department of Computer Sc. & I.T.

Name of the Programme: BACHELOR OF COMPUTER APPLICATIONS (BCA)

Semester -I

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FBE 100	BASICS OF ENGLISH	Theory	30	02	100	36	02
BCA 101	ELECTRONIC DATA PROCESSING	Theory	60	04	100	40	04
BCA 102	FOUNDATIONS OF MATHEMATICS	Theory	60	04	100	40	04
BCA 103	ELECTRICAL AND SEMICONDUCTOR FUNDAMENTALS	Theory	60	04	100	40	04
BCA 104	COMPUTER FUNDAMENTALS	Theory	60	04	100	40	04
BCA 105	PROGRAMMING IN 'C'	Theory	60	04	100	40	04
BCA 106	OFFICE MANAGEMENT LAB	Practical	60	04	100	40	04
BCA 107	'C' PROGRAMMING LAB	Practical	60	04	100	40	02
BCA 108	ELECTRICAL & SEMICONDUCTOR PHYSICS LAB.	Practical	60	04	100	40	02
Total credits for Semester I							28

Semester-II

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FCS 200	COMMUNICATION SKILLS	Practical	30	02	100	36	02
BCA 201	DISCRETE MATHEMATICS	Theory	60	04	100	40	04
BCA 202	DATA STRUCTURES & ALGORITHMS THROUGH 'C'	Theory	60	04	100	40	04
BCA 203	COMPUTER ARCHITECTURE	Theory	60	04	100	40	04
BCA 204	INTERNET AND WEB DESIGNING	Theory	60	04	100	40	04
BCA 205	DIGITAL ELECTRONICS	Theory	60	04	100	40	04
BCA 206	DATA STRUCTURES & ALGORITHMS LAB	Practical	60	04	100	40	04
BCA 207	WEB DESIGNING LAB	Practical	60	04	100	40	02
BCA 208	DIGITAL ELECTRONICS LAB	Practical	60	04	100	40	02
Total credits for Semester II							28

Semester-III

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FES 300	OUR ENVIRONMENT	Theory	30	02	100	36	02
BCA 301	DATA BASE MANAGEMENT SYSTEMS	Theory	60	04	100	40	04
BCA 302	PROBABILITY AND STATISTICS	Theory	60	04	100	40	04
BCA 303	OBJECT ORIENTED PROGRAMMING THROUGH 'C++'	Theory	60	04	100	40	04
BCA 304	PRINCIPLES OF PROGRAMMING LANGUAGES	Theory	60	04	100	40	04
BCA 305	SYSTEM ANALYSIS AND DESIGN	Theory	60	04	100	40	04
BCA 306	'C++' PROGRAMMING LAB	Practical	90	06	100	40	03
BCA 307	MINI PROJECT LAB	Practical	90	06	100	40	03
Total credits for Semester III							28

Semester-IV

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FOB 400	ORGANISATIONAL BEHAVIOUR	Theory	30	02	100	36	02
BCA 401	COMPUTER ORIENTED NUMERICAL METHODS	Theory	60	04	100	40	04
BCA 402	OPERATING SYSTEMS	Theory	60	04	100	40	04
BCA 403	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	Theory	60	04	100	40	04
BCA 404	SCRIPTING LANGUAGES	Theory	60	04	100	40	04
BCA 405	Data Networks	Theory	60	04	100	40	04
BCA 406	JAVA PROGRAMMING LAB	Practical	90	06	100	40	03
BCA 407	SCRIPTING LANGUAGES LAB	Practical	90	06	100	40	03
BCA 408	SEMINAR	Seminar	30	02	100	40	02
Total credits for Semester IV							30

Semester-V

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FGS 500	GENERAL STUDIES	Theory	30	02	100	36	02
BCA 501	SOFTWARE ENGINEERING	Theory	60	04	100	40	04
BCA 502	INTERNET & TCP/IP	Theory	60	04	100	40	04
BCA 503A BCA 503B	RDBMS GEOGRAPHICAL INFORMATION SYSTEMS	Theory	60	04	100	40	04
BCA 504	INTRODUCTION TO LINUX	Theory	60	04	100	40	04
BCA 505	MANAGEMENT INFORMATION SYSTEMS	Theory	60	04	100	40	04
BCA 506	LINUX LAB	Practical	90	06	100	40	03
BCA 507A BCA 507B	RDBMS LAB GEOGRAPHICAL INFORMATION SYSTEMS LAB	Practical	90	06	100	40	03
Total credits for Semester V							28

Semester-VI

Paper Code	Title	Type of paper	Contact Hrs		Max. marks	Min. marks	Credit
			Per Sem	Per Week			
FEM 600	ENTREPRENEURSHIP AND MANAGEMENT	Theory	30	02	100	36	02
BCA 601	COMPUTER GRAPHICS	Theory	60	04	100	40	04
BCA 602	NETWORK SECURITY	Theory	60	04	100	40	04
BCA 603	ARTIFICIAL INTELLIGENCE	Theory	60	04	100	40	04
BCA 604	COMPUTER GRAPHICS LAB	Practical	60	04	100	40	02
BCA 605	MAJOR PROJECT	Project	120	12	100	40	12
Total credits for Semester VI							28

Total credits for BCA (Sem I to Sem VI)**170**

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Department of Computer Sc. & I.T.
CREDIT TEMPLATE 2009-10

Name of the Programme: BACHELOR OF COMPUTER APPLICATIONS (BCA)

Semester -I

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FBE 100	BASICS OF ENGLISH	30	02	02
BCA 101	ELECTRONIC DATA PROCESSING	60	04	04
BCA 102	FOUNDATIONS OF MATHEMATICS	60	04	04
BCA 103	ELECTRICAL AND SEMICONDUCTOR FUNDAMENTALS	60	04	04
BCA 104	COMPUTER FUNDAMENTALS	60	04	04
BCA 105	PROGRAMMING IN 'C'	60	04	04
BCA 106	OFFICE MANAGEMENT LAB	60	04	04
BCA 107	'C' PROGRAMMING LAB	60	04	02
BCA 108	ELECTRICAL & SEMICONDUCTOR PHYSICS LAB.	60	04	02
Total credits for Semester I				28

Semester-II

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FCS 200	COMMUNICATION SKILLS	30	02	02
BCA 201	DISCRETE MATHEMATICS	60	04	04
BCA 202	DATA STRUCTURES & ALGORITHMS THROUGH 'C'	60	04	04
BCA 203	COMPUTER ARCHITECTURE	60	04	04
BCA 204	INTERNET AND WEB DESIGNING	60	04	04
BCA 205	DIGITAL ELECTRONICS	60	04	04
BCA 206	DATA STRUCTURES & ALGORITHMS LAB	60	04	04
BCA 207	WEB DESIGNING LAB	60	04	02
BCA 208	DIGITAL ELECTRONICS LAB	60	04	02
Total credits for Semester II				28

Semester-III

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FES 300	OUR ENVIRONMENT	30	02	02
BCA 301	DATA BASE MANAGEMENT SYSTEMS	60	04	04
BCA 302	PROBABILITY AND STATISTICS	60	04	04
BCA 303	OBJECT ORIENTED PROGRAMMING THROUGH 'C++'	60	04	04
BCA 304	PRINCIPLES OF PROGRAMMING LANGUAGES	60	04	04
BCA 305	SYSTEM ANALYSIS AND DESIGN	60	04	04
BCA 306	'C++' PROGRAMMING LAB	90	06	03
BCA 307	MINI PROJECT LAB	90	06	03
Total credits for Semester III				28

Semester-IV

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FOB 400	ORGANISATIONAL BEHAVIOUR	30	02	02
BCA 401	COMPUTER ORIENTED NUMERICAL METHODS	60	04	04
BCA 402	OPERATING SYSTEMS	60	04	04
BCA 403	OBJECT ORIENTED PROGRAMMING THROUGH JAVA	60	04	04
BCA 404	SCRIPTING LANGUAGES	60	04	04
BCA 405	DATA NETWORKS	60	04	04
BCA 406	JAVA PROGRAMMING LAB	90	06	03
BCA 407	SCRIPTING LANGUAGES LAB	90	06	03
BCA 408	SEMINAR	30	02	02
Total credits for Semester IV				30

Semester-V

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FGS 500	GENERAL STUDIES	30	02	02
BCA 501	SOFTWARE ENGINEERING	60	04	04
BCA 502	INTERNET & TCP/IP	60	04	04
BCA 503A	RDBMS	60	04	04
BCA 503B	GEOGRAPHICAL INFORMATION SYSTEMS	60	04	04
BCA 504	INTRODUCTION TO LINUX	60	04	04
BCA 505	MANAGEMENT INFORMATION SYSTEMS	60	04	04
BCA 506	LINUX LAB	90	06	03
BCA 507A	RDBMS LAB	90	06	03
BCA 507B	GEOGRAPHICAL INFORMATION SYSTEMS LAB	90	06	03
Total credits for Semester V				28

Semester-VI

Paper Code	Title	Contact Hrs		Credit
		Per Semester	Per Week	
FEM 600	ENTREPRENEURSHIP AND MANAGEMENT	30	02	02
BCA 601	COMPUTER GRAPHICS	60	04	04
BCA 602	NETWORK SECURITY	60	04	04
BCA 603	ARTIFICIAL INTELLIGENCE	60	04	04
BCA 604	COMPUTER GRAPHICS LAB	90	04	02
BCA 605	MAJOR PROJECT	120	12	12
Total credits for Semester VI				28
Total credits for BCA (Sem I to Sem VI)				170