INVERTIS
UNIVERSITY BAREILLY

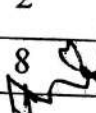### Department of Computer Applications

Humanities & Social science courses

Program Name: BCA
BoS Approval date: 16-17 and 18-19

S.No.	Couse Name	L	T	P	C
1	Environment & Ecology	2	0	0	2
2	Human Values and Ethics	2	0	0	2
3	Principle of Management	2	0	0	2
4	Industrial Applications	2	0	0	2
	Total:	8	0	0	8

Faculty Coordinator

Head
Department of Computer Applications
Faculty of Computer Applications
Invertis University, Bareilly (UP)
HOD

Dean Academics
Faculty of Computer Applications
Invertis University, Bareilly (UP)

Registrar
Invertis University
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Mandatory non-credit courses

Program Name: BCA
BoS Approval date:

S.No.	Couse Name	L	T	P
1	Remedial Mathematics	3	1	0
	Total:	3	1	0

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Faculty of Computer Applications (BCA)
Curriculum Analysis (Course Category)

Regulation: BCA 2020-2021

Category	L	T	P	C
AECC (Ability Enhancement Competency Course)	4	0	2	6
Skill Enhancement Elective (SEE)	10	2	4	14
General Elective Course (GSC)	13	3	4	12
Cross Cutting Course (CCC)	63	17	46	108
Discipline Specific Electives (DSE)	5	1	0	6
TOTAL	95	23	56	146

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AECC COURSES LIST

Regulation: BCA 2020-2021

Course Name	L	T	P	C
BCA101 ENVIRONMENT AND ECOLOGY	2	0	0	2
BCA207 INDUSTRIAL APPLICATIONS	2	0	0	2
BCA557 SUMMER INTERNSHIP	0	0	2	2
TOTAL	4	0	2	6

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Faculty of Computer Applications (BCA)

Skill Enhancement Elective (SEE) Courses List

Regulation: BCA 2020-2021

Course Name	L	T	P	C
BCA309 MULTIMEDIA AND ITS APPLICATIONS	3	1	0	4
BCA354 MULTIMEDIA LAB	0	0	4	2
BCA408 DATA MINING AND WAREHOUSING	5	1	0	6
BCA503 DIGITAL MARKETING	2	0	0	2
TOTAL	10	2	4	14

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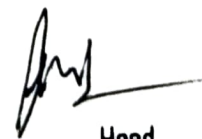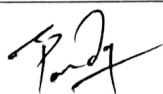
Cross Cutting Courses List

Regulation: BCA 2020-2021

Course Name	L	T	P	C
BCA107 C PROGRAMMING	3	1	0	4
BCA105 DIGITAL ELECTRONICS AND COMPUTER ORGANIZATION	5	1	0	6
BCA106 INFORMATION TECHNOLOGIES	3	1	0	4
BCA153 C PROGRAMMING LAB	0	0	4	2
BCA154 INFORMATION TECHNOLOGIES LAB	0	0	4	2
BCA202 INTRODUCTION TO OPERATING SYSTEMS	5	1	0	6

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Course	L	T	P	C
BCA204 OOPS USING C++	3	1	0	4
BCA206 DATA STRUCTURES USING C	3	1	0	4
BCA253 OOPS USING C++ LAB	0	0	4	2
BCA254 DATA STRUCTURES USING C LAB	0	0	4	2
BCA302 DATABASE MANAGEMENT SYSTEM	3	1	0	4
BCA304 COMPUTER NETWORKS	5	1	0	6
BCA306 JAVA PROGRAMMING	3	1	0	4
BCA351 DBMS LAB	0	0	4	2
BCA353 JAVA PROGRAMMING LAB	0	0	4	2
BCA401 SOFTWARE ENGINEERING	5	1	0	6
BCA406 WEB BASED SYSTEM DEVELOPMENT	3	1	0	4

BCA407 GUI USING .NET FRAMEWORK	3	1	0	4
BCA409 MINI PROJECT	0	0	6	6
BCA453 WEB BASED SYSTEM DEVELOPMENT LAB	0	0	4	2
BCA454 GUI USING .NET FRAMEWORK LAB	0	0	4	2
BCA501 COMPUTER GRAPHICS AND ANIMATIONS	3	1	0	4
BCA505 DATA AND NETWORK SECURITY	5	1	0	6
BCA556 COMPUTER GRAPHICS LAB	0	0	4	2
BCA601 PYTHON PROGRAMMING	3	1	0	4
BCA604 ADVANCE SQL PROGRAMMING	3	1	0	4
BCA605 CLOUD COMPUTING	5	1	0	6
BCA653 PYTHON LAB	0	0	4	2

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BCA654 ADVANCE SQL LAB	0	0	4	2
TOTAL	63	17	46	108

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INVERTIS UNIVERSITY, BAREILLY
Faculty of Computer Applications (BCA)
<u>Discipline Specific Elective</u>

Regulation: BCA 2020-2021

Course Name	L	T	P	C
BCA505 DATA AND NETWORK SECURITY	5	1	0	6
TOTAL	5	1	0	6

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GENERAL ELECTIVE COURSE (GSC) Courses List

Regulation: BCA 2020-2021

Course Name	L	T	P	C
BCA104 PRINCIPLES OF MANAGEMENT	2	0	0	2
BCA108 HUMAN VALUES AND ETHICS	3	1	0	0
BCA198 REMEDIAL MATHEMATICS	3	1	0	4
BCA208 NUMERICAL AND STATISTICAL TECHNIQUES	2	0	0	2
BCA308 CYBER ETHICS	3	1	0	4
TOTAL	13	3	0	12

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