

BLDEA's
S B Arts and K C P Science College, Vijayapur
BCA Programme
Mapping of CO's and PO's

Sem – I

Code/Subject: 21BCA1C2L/Fundamentals of Computers

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	2	2	-	2	-	3	3
CO2:	3	3	3	3	2	1	-	2	-	3	3
CO3:	3	3	3	3	2	2	-	2	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3

Sem – I

Code/Subject: 21BCA1C1L/ Programming in C

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	2	2	-	3	-	3	3
CO2:	3	3	3	3	2	2	-	3	-	3	3
CO3:	3	3	3	3	2	2	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3

Sem – I

Code/Subject: 21BCA1C3LMF/Mathematical Foundation

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	-	2	2	2	-	2	-	3	3
CO2:	3	3	-	2	2	2	-	2	-	3	3
CO3:	3	3	-	2	2	2	-	2	2	3	3
CO4:	3	3	-	2	2	3	-	3	-	3	3
CO5:	3	3	-	2	2	3	-	3	-	3	3

Sem – I

Code/Subject: 21BCA1C3LAC/Accountancy

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	-	2	2	2	-	2	-	3	3
CO2:	3	3	-	2	2	2	-	2	-	3	3
CO3:	3	3	-	2	2	2	-	2	2	3	3
CO4:	3	3	-	2	2	3	-	3	-	3	3
CO5:	3	3	-	2	2	3	-	3	-	3	3

Sem – II

Code/Subject: 21BCA2C4L/ Data structures using C

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	-	3	3
CO2:	3	3	3	3	3	3	-	3	-	3	3
CO3:	3	3	3	3	3	3	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3

Sem - I

Code/Subject: 21BCA2C5L/ Object Oriented Programming with JAVA

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	-	3	3
CO2:	3	3	3	3	3	3	-	3	-	3	3
CO3:	3	3	3	3	3	3	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3
CO5:	3	3	3	3	3	3	-	3	-	3	3

Sem - I

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Code/Subject: 21BCA2C6L/ Discrete Mathematics

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	-	2	2	2	-	2	-	3	3
CO2:	3	3	-	2	2	2	-	2	-	3	3
CO3:	3	3	-	2	2	2	-	2	2	3	3
CO4:	3	3	-	2	2	3	-	3	1	3	3
CO5:	3	3	-	2	2	3	-	3	1	3	3

Sem - III

Code/Subject: 21BCA3C7L/ Database management System

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	-	3	3
CO2:	3	3	3	3	3	3	-	3	-	3	3
CO3:	3	3	3	3	3	3	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3
CO5:	3	3	3	3	3	3	-	3	-	3	3
CO6:	3	3	3	3	3	3	-	3	-	3	3

Sem - III

Code/Subject: 21BCA3C8L/C# and Dot Net Framework

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	1	-	3	-	3	3
CO2:	3	3	3	3	3	1	-	3	-	3	3
CO3:	3	3	3	3	3	2	-	3	-	3	3

Sem - III

Code/Subject: 21BCA3C9L/ Computer Communication and Networks

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	2	3	1	2	3	-	-	-	3	3
CO2:	3	2	3	1	2	3	-	-	-	3	3
CO3:	3	2	3	1	2	3	-	-	-	3	3
CO4:	3	2	3	1	2	3	-	-	-	3	3

Sem – IV

Code/Subject: 21BCA4C10L/ Python Programming

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	2	-	3	3
CO2:	3	3	3	3	3	3	-	-	-	3	3
CO3:	3	3	3	3	3	3	-	-	-	3	3
CO4:	3	3	3	3	3	3	-	-	-	3	3
CO5:	3	3	3	3	3	3	-	-	-	3	3
CO6:	3	3	3	3	3	3	-	-	-	3	3

Sem – IV

Code/Subject: 21BCA4C11L/ Computer Multimedia and Animation

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	1	-	3	-	3	3
CO2:	3	3	3	3	3	1	-	3	-	3	3
CO3:	3	3	3	3	3	2	-	3	-	3	3

Sem – IV

Code/Subject: 21BCA4C12L/ Operating System Concepts

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	1	1	2	2	-	-	-	-	3	3
CO2:	3	2	1	2	2	-	-	-	-	3	3
CO3:	3	2	2	2	2	-	-	-	-	3	3
CO4:	3	3	3	3	3	2	-	-	-	3	3

Sem – V

Code/Subject: 21BCA5C13L/ Design & Analysis of Algorithms

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	-	3	3
CO2:	3	3	3	3	3	3	-	3	-	3	3
CO3:	3	3	3	3	3	3	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3
CO5:	3	3	3	3	3	3	-	3	-	3	3

Sem – V

Code/Subject: 21BCA5C14L/ Statistical Computing and R Programming

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	2	3	2	3	3	1	2	-	3	3
CO2:	3	2	3	2	2	2	-	3	-	3	3
CO3:	3	2	3	3	2	2	-	3	-	3	3
CO4:	3	2	2	3	2	3	-	3	-	3	3
CO5:	3	3	2	3	3	3	-	3	-	3	3

Sem – V

Code/Subject: 21BCA5C15 Software Engineering

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	2	3	3
CO2:	3	3	3	3	3	2	-	3	2	3	3
CO3:	3	3	3	3	3	3	-	3	2	3	3
CO4:	3	3	3	3	3	3	-	3	2	3	3
CO5:	3	3	3	3	3	3	-	3	3	3	3

Sem – V

Code/Subject: 21BCA5DE1BL / Cloud Computing

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	1	-	3	-	3	3
CO2:	3	3	3	3	3	1	-	3	-	3	3
CO3:	3	3	3	3	3	2	-	3	-	3	3
CO4:	3	3	3	3	3	1	-	3	-	3	3

Sem – V

Code/Subject: 21BCA5VC1AL/ Digital Marketing

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	2	3	3
CO2:	3	3	3	3	3	3	-	3	2	3	3
CO3:	3	3	3	3	3	3	-	3	2	3	3
CO4:	3	3	3	3	3	3	-	3	3	3	3
CO5:	3	3	3	3	3	3	-	3	3	3	3

Sem – VI

Code/Subject: 21BCA6C16L/ PHP and MySQL

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	1	3	-	3	3
CO2:	3	3	3	3	2	2	2	3	-	3	3
CO3:	3	3	3	3	2	2	2	3	-	3	3

Sem – VI

Code/Subject: 21BCA6C17L / Artificial Intelligence and Applications

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	1	2	2	3	3
CO2:	3	3	3	3	2	2	-	-	2	3	3
CO3:	3	3	3	3	2	2	-	-	2	3	3

Sem – VI

Code/Subject: 21BCA6DE2AL/ Fundamentals of Data Science

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	1	2	2	3	3
CO2:	3	3	3	3	2	2	-	2	2	3	3
CO3:	3	2	3	3	2	2	-	3	2	3	3
CO4:	3	2	2	3	2	3	-	3	2	3	3

Sem – VI

Code/Subject: 21BCA6VC2AL/ Web Content Management System

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	2	3	3	3	1	3	2	3	3
CO2:	3	3	3	3	2	2	-	3	2	3	3
CO3:	3	3	3	3	2	2	-	3	2	3	3
CO4:	3	3	2	3	2	3	-	3	2	3	3
CO5:	3	3	2	3	3	3	-	3	2	3	3

Sem – VI

Code/Subject: 21BCA6C18P /Project Work

COS/POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1:	3	3	3	3	3	3	-	3	-	3	3
CO2:	3	3	3	3	3	3	-	3	-	3	3
CO3:	3	3	3	3	3	3	-	3	-	3	3
CO4:	3	3	3	3	3	3	-	3	-	3	3
CO5:	3	3	3	3	3	3	-	3	-	3	3

BCA I and VI Semester (NEP) Evaluation mapping

EVALUATION MAPPING (Theory)

Evaluation Pattern: 40 Marks Internal Assessment Test
60 Marks University End Examinations

Question Paper Pattern: 2 Marks (Objective)
5 Marks (Descriptive)
10 Marks (Numerical/Analytical/Descriptive and Programs)

Parameters of Patterns: 1. Skill Based
2. Understanding
3. Logical Ability
4. Numerical/Analytical
5. Descriptive/Diagram
6. Programming Skills

Sl.No	Parameter	Percentage
1	Skill Based	10%
2	Understanding	15%
3	Logical Ability	5%
4	Numerical/Analytical	15%
5	Descriptive/Diagram	20%
6	Programming Skills	35%
		100%

EVALUATION MAPPING (PRACTICAL):

Evaluation Pattern : 25 Marks Internal Assessment Test
25 Marks University End Examination

Writing of Programs -06 Marks
(03 Marks for each program)

Execution of programs -14 Marks
(07 Marks for each program)

Viva-Voce - 05Marks

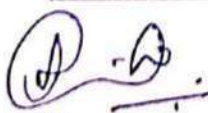
Total - 50 Marks

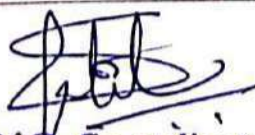
EVALUATION MAPPING (Project)

Evaluation Pattern:

50 Marks Internal Assessment Test
100 Marks University End Examination

Sl.No	Parameter	Percentage
1	Skill Based	30%
2	Understanding	10%
3	Logical Ability	10%
5	Descriptive/Diagram	20%
6	Programming Skills	30%
100%		


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