School of Computational Intelligence

Department of Computing & Information Systems

Bachelor of Computer Application (BCA)

I Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Problem Solving and Programming	3	0	4	7	5
2.		Logical Organizations of Computers	3	0	0	3	3
3.		Business Communications	2	0	2	4	3
4.		Environmental Science	2	0	0	2	2
5.		Mathematics-I (Elementary Mathematics)	3	0	0	3	3
6.		Paper-I (Skill Enhancement Course)	0	0	4	4	2
		TOTAL	**13**	**0**	**10**	**23**	**18**

II Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Data Structures	3	1	4	8	6
2.		Discrete Structures	3	0	0	3	3
3.		Operating System Concepts	3	0	4	7	5
4.		Numerical and Statistical Methods	3	0	4	7	5
5.		Paper-II (Skill Enhancement Course)	0	0	4	4	2
		TOTAL	**12**	**1**	**16**	**29**	**21**

III Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Object Oriented Programming	3	0	4	7	5
2.		Database Management Systems	3	1	4	8	6
3.		Program Elective- I	3	1	4	8	6
4.		Paper-III (Skill Enhancement Course)	0	0	4	4	2
		TOTAL	**09**	**2**	**16**	**27**	**19**

IV Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Fundamentals of Computer Algorithms	3	1	0	4	4
2.		Web Programming	3	0	4	7	5
3.		Software Engineering	3	0	4	7	5
4.		Program Elective- II	3	1	4	8	6
		TOTAL	**12**	**2**	**12**	**26**	**20**

V Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Computer Graphics and Multimedia	3	0	4	7	5
2.		Computer Networks	3	0	0	3	3
3.		Management Information Systems	3	0	0	3	3
4.		Program Elective -III	3	1	4	8	6
5.		Program Elective -IV	3	0	0	3	3
6.		Paper-IV (Skill Enhancement Course)	0	0	4	4	2
		TOTAL	**15**	**1**	**12**	**28**	**22**

VI Semester

Sl.No	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Credits
1.		Data Mining	3	0	0	3	3
2.		Distributed Computing	3	0	0	3	3
3.		Program Elective -V	3	1	0	4	4
4.		Program Elective-VI	3	1	0	4	4
5.		Project	0	0	5	5	10
		TOTAL	**12**	**2**	**4**	**19**	**24**

TOTAL NO. OF CREDITS = 124

Electives	Program Elective Courses
PE-I	Internet Technologies
	Internet Technologies Lab
	Mobile Application(MA)
PE-II	Ecommerce Technology
	Cloud Computing
	Data Analytics
PE-III	Fuzzy logic and Applications
	Fuzzy logic and Applications Lab
	Android Programming
	R Language
	R Language Lab
PE-IV	Software Testing
	Software Testing Lab
	Network Security
PE-V	Cyber Forensics
	Unix and Shell Programming
	Unix and Shell Programming Lab
PE-VI	System Programming
	Distributed Database Systems
	Decision Support System
	Skill Enhancement Subjects
PE(SEC-I)	Office Automation Tools
PE(SEC-II)	Designing and Publishing in Computer Using Page maker, Photoshop and Coreldraw
	HTML Programming
PE(SEC-III)	Programming in Visual Basic/GAMBAS
	Programming in SCILAB
PE(SEC-IV)	Tally Software (Accounting and Finance Tally ERP)
	Photo Shop Lab