Course Outcomes (COs)

Department of Computer Science And Design

Programme Name: B.E.-Computer Science & Design

CONTENTS

SL NO	PARTICULARS	PAGE NO
1	2022 Scheme-Second Year Core Courses	2

2022 Scheme(UG)

Course Outcomes of Second -Year Courses

Course Name	Mathematics for Computer Science
Course Code	BCS301
Course outcomes (COs): At the end of the course the student will be able to:	
BCS301.1	Illustrate the basic concepts of– Probability distribution, Markov chain, Statistical inference and Design of experiments.
BCS301.2	Apply suitable probability distribution models and design of experiments for the given scenario in Computer science & engineering.
BCS301.3	Analyze & solve engineering problems using Statistical methodology and tools.
BCS301.4	Interpret the overall knowledge gained to demonstrate the problems arising in practical situations.

Course Name	Digital Design & Computer Organization
Course Code	BCS302
Course outcomes (COs): At the end of the course the student will be able to:	
BCS302.1	Understand Digital Logic, Processor memory and inter device communication
BCS302.2	Analyze Digital circuits, internal Organization of Memory and understand Processor performance
BCS302.3	Design combinational circuits and sequential circuits using Verilog code and implement interconnection of processor and peripheral devices.
BCS302.4	Optimize digital circuits using Mathematical and Verilog tools and evaluate Processor performance including Impact of cache/Pipelining.

Course Name	**Operating Systems**
Course Code	**BCS303**
Course outcomes (COs): At the end of the course the student will be able to:	
BCS303.1	Demonstrate the structure and functions of the operating system and its needs
BCS303.2	Apply suitable techniques for management of different resources
BCS303.3	Analyze processes, threads, memory, storage and scheduling algorithms
BCS303.4	Analyze I/O management and file system, concepts of protection and security.

Course Name	**Data Structures and Application**
Course Code	**BCS304**
Course outcomes (COs): At the end of the course the student will be able to:	
BCS304.1	Explain different data structures and their applications.
BCS304.2	Apply suitable operations on data structures.
BCS304.3	Develop algorithms that make use of data structures.
BCS304.4	Develop solutions using suitable data structure algorithm to model the real-world problem

Course Name	**Data Structures Lab**
Course Code	**BCSL305**
Course outcomes (COs): At the end of the course the student will be able to:	
BCSL305.1	Identify various linear and non-linear data structures.
BCSL305.2	Analyze various linear and non-linear data structures
BCSL305.3	Demonstrate the working nature of different types of data structures and their applications
BCSL305.4	Apply the appropriate data structure for solving real world problems