DEPARTMENT OF COMPUTERS

SEMESTER-I

BS106- PROGRAMMING IN C

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Read, understand and trace the execution of programs written in C language.

CO2 : Write the C code for a given algorithm.

CO3 : Implement Programs with pointers and arrays, perform pointer arithmetic, and
use the pre-processor.

CO4 :Write programs that perform operations using derived data types.

SEMESTER-II

BS206- PROGRAMMING IN C++

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Understanding the principles of data abstraction,inheritance and polymorphism

CO2 : Apply the principles of virtual functions and polymorphism.

CO3 : Analyzing the handling formatted I/O and unformatted.

CO4 : Evaluate the I/O Introduces exception handling.

SEMESTER-III

BS306-DATA STRUCTURES USING C++

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : To evaluate and analyze the complexity of given algorithms to apply for Problem
solving things like sorting, searching.

CO2 : To define basic static and dynamic data structures and relevant standard algorithms for
stacks and queues

CO3 : To implement operations like insertion, deletion, traversing mechanism on linear and
non- linear data structures like lists and trees.

CO4 : To design and select appropriate data structures and algorithms for applications to
solve specific problem definitions.

<center># SEMESTER-IV</center>

BS406-DATABASE MANAGEMENT SYSTEMS

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO1 : Explains the basic concepts of relational data model, entity-relationship model, relational database design, relational algebra and SQL.

CO2 : Explain various data models and database system architectures.

CO3 : Design ER-models to represent simple database application scenarios

CO4 : Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data.

CO5 : Write queries to access database using SQL.

CO6 : Design a database using normalization theory and explain the concepts of transaction processing.

BS505-PROGRAMMING IN JAVA

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1 : Use the syntax and semantics of java programming language and basic concepts of OOPS.

CO 2: Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.

CO 3: Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.

CO 4: Design event driven GUI and web related applications which mimic the real word scenarios.

SEMESTER-V

BS506-OPERATING SYSTEM

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: Identify the role of Operating System. To understand the design of the control unit.

CO 2: Understanding CPU Scheduling, Synchronization, Deadlock Handling and Comparing CPU Scheduling Algorithms. Solve Deadlock Detection Problems.

CO 3: Describe the role of paging, segmentation and virtual memory in operating systems.

CO 4 : Description of protection and security and also the Comparison of UNIX and Windows based OS.

CO 5:   Defining I/O systems, Device Management Policies and Secondary Storage Structure and Evaluation of various Disk Scheduling Algorithms.

SEMESTER-VI

BS605- COMPUTER NETWORKS

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: Describe the general principles of data communication.

CO 2: Describe how computer networks are organized with the concept of layered approach.

CO 3: Describe how signals are used to transfer data between nodes.

CO 4: Implement a simple LAN with hubs, bridges and switches.

CO 5: Describe how packets in the Internet are delivered.

CO 6: Analyze the contents in a given data link layer packet, based on the layer concept.

CO 7: Design logical sub-address blocks with a given address block.

CO 8: Decide routing entries given a simple example of network topology

CO 9: Describe what classless addressing scheme is.

CO 10: Describe how routing protocols work.

CO 11: Use C programming language to implement network programs.

CO 12: Design and implement a network protocol.

BS606- PHP with MySQL

COURSE OUTCOME:

After the completion of the Course ,the students will be able to

CO 1: List the major elements of the PHP & MySQL work and explain why PHP is good
for web development.

CO2 : Learn how to tak a static website and turn it into a dynamic website run   from a
database using PHP and MySQL.

CO 3: Analyze the basic structure of a PHP web application and be able to install and
maintain the web server, compile, and run a simple web application.

CO 4: Learn how databases work and how to design one, as well as how to use php
MyAdmin to work with MySQL.

CO 5:Learn different ways of connecting to MySQL through PHP, and how to create tables,
enter data, select data, change data, and delete data. Connect to SQL Server and other
data sources.