B.Sc COURSE OUTCOMES

S.NO	COURSE NAME	COURSE CODE	COURSE OUTCOME
1	Problem Solving in "C"	BSC-C1	CO1: Understand the evolution and functionality of a Digital Computer and learning about Algorithms, programming languages CO2:understanding the basic C concepts and control structures CO3:Learning the arrays and its types CO4: Understand,, C"languagec on structs like functions, structure, union etc. CO5:Gain knowledge of pointers and file concepts
	C1-P Problem Solving in "C"-Lab	BSC-C1-P	• Acquiring practical knowledge of • Functions • Arrays • Call by value & Call by reference. • String operations • Pointers
2	C2 Data Structures using C	BSC-C2	CO1: Understand available Data Structures, principles of programming and analysis of algorithms CO2: Comprehend Data Structure and the irreal-time applications–Arrays, Linked List CO3: Comprehend DataStructureandtheirreal-timeapplications–stack,Queue CO4: Have knowledge on Data Structures basic operations like insert, delete, search, update and traversal On Binary tree CO5: Developabilitytoimplementdifferent SortingandSearchingmethods also gain knowledge on graphs
	C2-P Data Structures Using C Lab	BSC-C2-P	Acquiring practical knowledge of • Arrays • Linked List • Stacks • Queues • Trees • Graphs • Searching and Sorting

3	C3 Database Management System	BSC-C3	CO1: Gain knowledge of Database and DBMS. CO2: Model database using ER Diagrams and design data bases chemas based on the model. CO3: Demonstrate an understanding of relational model basic concepts and normalization theory ,CODD rules, CO4:Create a small database using SQL and Store, Retrieve data in database. Understand the fundamental concepts of DBMS with special emphasis on relational data model CO5:understanding the PL/SQL programming language and triggers
	C3 Database Management System-LAB	BSC-C3-P	Acquiring practical knowledge of • Over view of Data Base Management • Entity Relation Ship Model • Relational Model • Structured Query Language • PL/SQL
4	C4 Object Oriented Programming using Java	BSC-C4	CO1: Understand the basic concepts of java, control statements and arrays CO2: Understand different computer programming paradigms like strings, methods, classes, objects and inheritance CO3:Gain knowledge of polymorphism,interfaces,packages and exception handling CO4:Understanding the concepts of streams and threads CO5: Develop the ability to build applets and java data base connectivity
	C4 Object orientated programming through java lab	BSC-C4-P	Acquiring practical knowledge of • Arrays • Strings • Methods in java • Interfaces • Packages • Threads • Applets

5	C5 Operating Systems	BSC-C5	CO1: Understand the basics of operating systems and types CO2:Views of operating systems and various CPU scheduling algorithms CO3:Remove deadlocks and understanding the semaphores CO4: Explain various memory management techniques and concept of thrashing CO5: Recognize file system interface, protection and security mechanisms. Explain the various features of android operating system.
	C5 Operating Systems-LAB	BSC-C5-P	Acquiring practical knowledge of • Models of operating system • Process Management • Memory Management • File and I/O Management • Dead Locks • OS Security
6	C6 6A Web interface designing technologies	BSC-C6	CO1: Understanding the basic concepts of HTML CO2: Gain knowledge about HTML forms, API's and CSS CO3: Demonstrate skills regarding creation of a static website and an interface to dynamicwebsite. CO4: Learnhowtoinstall wordpressandgaintheknowledgeof installingvariouspluginstouse in their websites. CO5:Understanding the parent and child theme
	6A Web interface designing technologies Lab	BSC-C6-P	• Analyze a web page and identify its elements and attributes. • Create web pages using XHTML and Cascading Style Sheets. • Build dynamic web pages using JavaScript (Client side programming). • · Create XML documents and Schemas.
7	C7 7A Web applications development using PHP and MYSQL	BSC-C7	CO1:Understanding the building blocks of PHP like variables ,operators ,functions etc CO2: Acquireknowledge on arrays,functions and strings CO3:creating forms and also understanding the concepts of session ,cookie CO4:Explain the concepts of working with files,directories and images CO5: Developtheabilitytoconnect PHP and MYSQL .Gain knowledge on MYSQL data

| | C7
7A
Web applications
development using PHP
and MYSQL
LAB | BSC-C7-P | • 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.

• Learn how databases work and how to design one, as well as how to use php My Admin to work with MySQL.

• 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. |