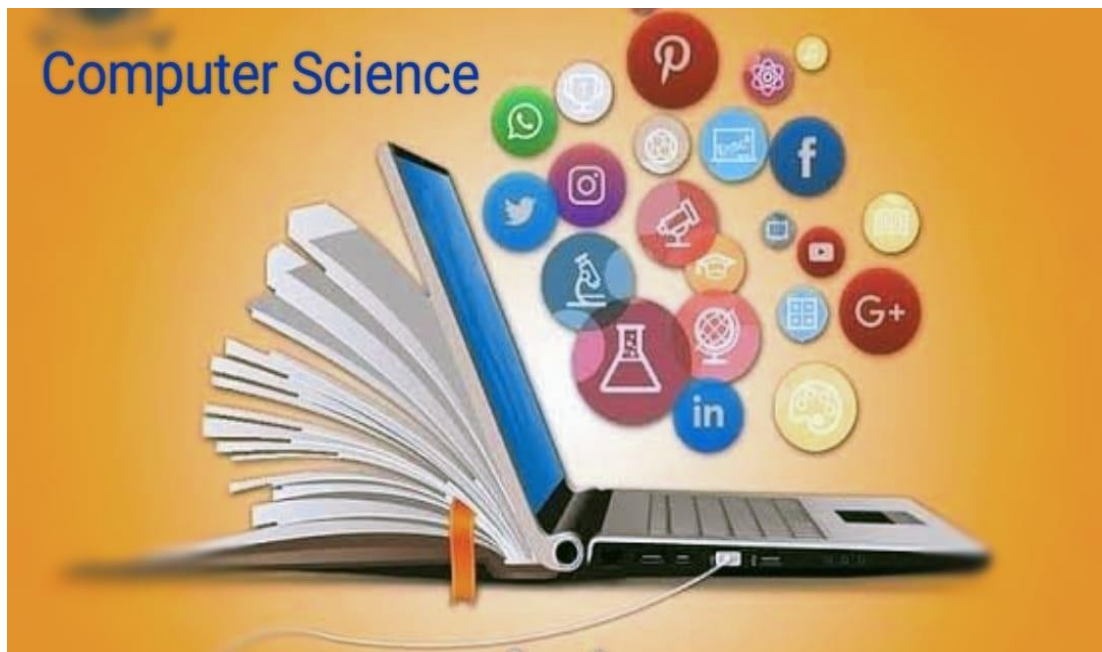




SRI ABR GOVERNMENT DEGREE COLLEGE REPALLE



BSc ., Computer Science

COs and PSO

PROGRAMME SPECIFIC OUTCOMES (PSOs)

The Department of Computer Science, Sri ABR Government Degree College, Repalle, offers Three Year (comprising 6 semesters) Undergraduate Programme in Computer Science with objective of empowering students to acquire all-inclusive understanding of Computer Knowledge both theoretical and practical as an academic discipline. Upon completion of B. Sc. Computer Science Degree Programme successfully, the students shall acquire the following skills and competencies.

PSO 1	Ability to apply Foundations of Mathematics, Principles of Physics and Theory of Computer Science in solving the real-world problems.
PSO 2	Ability to choose, create and apply the appropriate techniques, resources and tools to predict and model complex situations within the scope and boundaries of situation.
PSO 3	Create, select and apply appropriate techniques, resources and modern IT tools including prediction and modeling to complex activities with an understanding of the limitations.
PSO 4	Exhibit comprehension and understanding of the programmes and apply them in a multidisciplinary environment.
PSO 5	Communicate effectively on various activities and make effective presentations.

COURSE OUTCOMES (COs)

Course Code: CSC1SK

Course Name: Problem solving in C

Upon completion of this course, the student will be able to:	
CO 1	Understand the evolution and functionality of digital computer
CO 2	Apply logical skills to analyze a given problem
CO 3	Develop an algorithm for solving a given problem.
CO 4	Understanding 'C' language constructs like Iterative statements, array processing pointers etc.
CO 5	Apply 'C' language constructs to the algorithms to write a C language program

Course Code: CSC2SK

Course Name: Data Structures Using C

Upon completion of this course, the student will be able to:	
CO 1	Understand data structures for data storage and processing
CO 2	Comprehend data structure and their real time applications- Stack, Queue, Linked list, Trees and Graph.
CO 3	Choose a data structures for an application.
CO 4	Develop ability to implement different sorting and search methods.
CO 5	Have knowledge on data structures basic operations like insert, delete, search, update and traversal
CO 6	Design and develop programs using various data structures
CO 7	Implement the applications of algorithms for sorting, pattern matching etc.

Course Code: CSC3SK

Course Name: Data Base Management System

Upon completion of this course, the student will be able to:	
CO 1	Gain knowledge of database and DBMS
CO 2	Understand the fundamental concepts of DBMS with special emphasis on relational data model
CO 3	Demonstrating an understanding of normalization theory and apply such knowledge to the normalization of a database.
CO 4	Model database using ER Diagrams and design database schemas based on the model.
CO 5	Create a small database using SQL
CO 6	Store, Retrieve data in database

Course Code: CSC4SK

Course Name: Object Oriented Programming through Java

Upon completion of this course, the student will be able to:	
CO 1	Understand the benefits of well-structured Program.
CO 2	Understand different computer programming paradigms.
CO 3	Understand underlying principles of Object-Oriented Programming in Java.
CO 4	Develop problem-solving and programming skills using OOPS concepts.
CO 5	Develop the ability to solve real-world problems through software development in high-level programming language like Java

Course Code: CSC5SK

Course Name: Operating Systems

Upon completion of this course, the student will be able to:	
CO 1	Know computer system resources and the role of operating system in resource management with algorithms.
CO 2	Understand operating system architecture design and its services.
CO 3	Gain knowledge of various types of operating systems including Unix and Android.
CO 4	Understand various process management concepts including scheduling, synchronization and deadlocks.
CO 5	Have a basic knowledge about multithreading.
CO 6	Compare different approaches for memory management
CO 7	Understand and identify potential threats to operating systems and the security features design to guard against them.
CO 8	Specify objectives of modern operating systems and describe how operating systems have evolved over time.
CO 9	Describe the functions of a contemporary operating system

Course Code: CSC6A

Course Name: WEB INTERFACE DESIGN TECHNOLOGIES

	Upon completion of this course, the student will be able to:
CO 1	To understand the web architecture and web services.
CO 2	To practice latest web technologies and tools by conducting experiments.
CO 3	To design interactive web pages using HTML and Style sheets and WORD PRESS.
CO 4	To study the framework and building blocks of .NET Integrated Development Environment.
CO 5	To provide solutions by identifying and formulating IT related problems.

Course Code: CSC7A

Course Name: Development using PHP&MYSQL

	Upon completion of this course, the student will be able to:
CO 1	Understand PHP programs and Apply in built functions and create user defined functions in PHP programming
CO 2	Understand and create PHP scripts to handle HTML forms
CO 3	Develop dynamic and interactive web based applications using PHP and MYSQL
CO 4	Understand the use of PHP with a MYSQL database in database driven web pages.
