

K.S.N. Govt. Degree College for Women:: Ananthapuramu

Bachelor of Science

Course Outcomes of Computer Science

Course Code: 3-1-108R

Course Name: Computer Fundamentals & Photoshop

Upon completion of this course, the student will be able to:	
CO 1	Bridge the fundamental concepts of computers with the present level of knowledge of the students.
CO 2	To explore basic knowledge on computers and Photoshop's beauty from the practical to the painterly artistic
CO 3	To understand how Photoshop will help you create your own successful images

Course Code: 3-1-108R

Course Name: Programming in C

Upon completion of this course, the student will be able to:	
CO 1	Familiarise operating systems, programming languages, peripheral devices, networking, multimedia and internet
CO 2	Understand binary, hexadecimal and octal number systems and their arithmetic.
CO 3	Understand how logic circuits and Boolean algebra forms as the basics of digital computer
CO 4	Demonstrate the building up of Sequential and combinational logic from basic gates.

Course Code: 3-3-108

Course Name: Object Oriented Programming using JAVA

Upon completion of this course, the student will be able to:	
CO 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
CO 2	Foundation of mathematical concepts: Ability to apply the acquired knowledge of basic skills, principles of computing, mathematical foundations, algorithmic principles, modeling and design of computer-based systems in solving real world engineering Problems
CO 3	Software Development and Research Ability: Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open source platforms. Use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations
CO 4	Successful Career: Ability to update knowledge continuously in the tools like, Computing, Communication to meet the industry requirements in creating innovative career paths for immediate employment and for higher studies.

Course Code: 3-4-108

Course Name: JAVA with Data structure

Upon completion of this course, the student will be able to:	
CO 1	Understand the concept of Dynamic memory management, data types, algorithms, Big O notation.
CO 2	Understand basic data structures such as arrays, linked lists, stacks and queues.
CO 3	Describe the hash function and concepts of collision and its resolution methods
CO 4	Solve problem involving graphs, trees and heaps
CO 5	Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data

Course Code: 3-5-111

Course Name: DBMS

Upon completion of this course, the student will be able to:	
CO 1	Describe DBMS architecture, physical and logical database designs, database modeling, relational, hierarchical and network models.
CO 2	Identify basic database storage structures and access techniques such as file organizations, indexing methods including B-tree, and hashing.
CO 3	Learn and apply Structured query language (SQL) for database definition and database manipulation
CO 4	Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database
CO 5	Understand various transaction processing, concurrency control mechanisms and database protection mechanisms.

Course Code: 3-5-112

Course Name: Software Engineering

Upon completion of this course, the student will be able to:

CO 1	Plan a software engineering process life cycle , including the specification, design, implementation, and testing of software systems that meet specification, performance, maintenance and quality requirements
CO 2	Able to elicit, analyze and specify software requirements through a productive working relationship with various stakeholders of the project
CO 3	Analyze and translate a specification into a design, and then realize that design practically, using an appropriate software engineering methodology
CO 4	Know how to develop the code from the design and effectively apply relevant standards and perform testing, and quality management and practice
CO 5	Able to use modern engineering tools necessary for software project management, time management and software reuse.

Course Code: 3-6-114

Course Name: WebTechnology

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.
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: 3-6-114

Course Name: PHP & MYSQL AND WORDPRESS

Upon completion of this course, the student will be able to:	
CO 1	Introduction to web development with PHP
CO 2	How to code a PHP application
CO 3	Introduction to relational databases and MySQL
CO 4	How to use PHP with a MySQL database
CO 5	How to use the MVC pattern to organize your code
CO 6	How to test and debug a PHP application
CO 7	How to work with form data
CO 8	How to code control statements
CO 9	How to work with strings and numbers
CO 10	How to work with dates
CO 11	How to create and use arrays
CO 12	How to work with cookies and sessions
CO 13	How to create and use functions
CO 14	How to use regular expressions, handle exceptions, and validate data

Course Code: 3-6-114

Course Name: Advanced JavaScript

Upon completion of this course, the student will be able to:	
CO 1	On completing the subject, students will be able to: create a dynamic website using advanced features of JavaScript
CO 2	create a website with good and attractive design