# GOVT DEGREE COLLEGE NARASANNAPETA

## DEPARTMENT OF COMPUTER SCIENCE

# COURSE LEARNING OUTCOMES

I YEAR I SEM

## C1- PROBLEM SOLVING IN C

Course learning outcomes :

Upon saucerful completion of the course , a student will be able to

1.Understand the evolution and functionality of a Digital computer

2.Apply logical skills to analyze a given problem

3.Deveolop an algorithm for solving a given problem

4.Understand 'C' language constructs like iterative statements, array processing points etc.,

5. Apply C language constructs to the algorithms to write a C language program

I YEAR II SEM

## C2- DATA STRUCTURE USING C

Course learning outcomes :

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

II YEAR III SEM

## C3- DATABASE MANAGEMENT SYSTEM

Learning Outcomes

On completing the subject , students will be able to

1. Gain knowledge of Databased and DBMS
2. Understand the fundamental concepts of DBMS with special emphasis on relational data model
3. Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of database
4. Model database using ER Diagrams and design database schemas based on the model
5. Create a small database using SQL
6. Store ,retrieve data in database.

IIYEAR IV SEM

## C2- OBJECT ORIENTED PROGRAMMING THROUGH JAVA

**COU**RSE LEARNING OUTCOMES :

At the end of this course student will

1.Understand the benefits of well structured program

2.Understand different computer programming paradigms

3.Understand underlying principles of object oriented programming in java

4.Develop problem- solve real world problems through software development in high lebvel programming language like java

IIIYEAR VI SEM

## 6A) **Web Interface Designing Technologies**

Learning Outcomes: Students after successful completion of the course will be able to:

1. Understand and appreciate the web architecture and services.
2. Gain knowledge about various components of a website.
3. Demonstrate skills regarding creation of a static website and an interface to dynamic website.
4. Learn how to install word press and gain the knowledge of installing various plugins to use in their websites.

## 7A-Web Applications Development using PHP & MYSQL

Learning Outcomes:

Students after successful completion of the course will be able to:

1. Write simple programs in PHP.
2. Understand how to use regular expressions, handle exceptions, and validate data using PHP.
3. Apply In-Built functions and Create User defined functions in PHP programming.
4. Write PHP scripts to handle HTML forms.
5. Write programs to create dynamic and interactive web based applications using PHP and MYSQL. 6. Know how to use PHP with a MySQL database and can write database driven web pages.