



Computer Engineering Department
Government Engineering College, Dahod-389151.

Mid Sem – February 2021- Syllabus -

Subject: PROGRAMMING FOR PROBLEM SOLVING (Odd 2020-21)

Subject Code: 3110003

Semester: 1st

Branch: Civil & Mechanical

Faculties: 1. Prof V D Baria (VDB) (1 Lecture/week)

2. Prof S Y Bhimla (SYB) (1 Lecture/week)

3. Prof A K Rathva (AKR) (1 Lecture/week)

02-02-2021

MID SEM EXAM SYLLABUS

Sr. No.	Module Name	Topic Covered
1.	Introduction to computer and programming	Introduction, Basic block diagram and functions of various components of computer, Concepts of Hardware and software, Types of software, Compiler and interpreter, Concepts of Machine level, Assembly level and high level programming, Flowcharts and Algorithms
2.	Fundamentals of C	Features of C language, structure of C Program, comments, header files, data types, constants and variables, operators, expressions, evaluation of expressions, type conversion, precedence and associativity, I/O functions
3.	Control structure in C	Simple statements, Decision making statements, Looping statements, Nesting of control structures, break and continue, goto statement
4.	Array & String	Concepts of array, one and two dimensional arrays, declaration and initialization of arrays, string, string storage, Built-in-string functions
5.	Functions	Concepts of user defined functions, prototypes, definition of function, parameters, parameter passing, calling a function, recursive function, Macros, Pre-processing

Prof A K Rathva (AKR)
Subject- Incharge

Head, Computer Engineering Department,
GEC-Dahod