



**Sandip Foundation's
Sandip Institute of Engineering and Management
Department of Computer Engineering
Academic Year 2019-20
Sem - I**

Report on Workshop on “C” Programming

1. **Event Title:** Workshop on “C” Programming
2. **Event Date:** 06/07/2019 , 13/07/2019 & 20/07/2019
3. **Event Conduction Duration:** 3 days (Timings: 10 am to 5 pm)
4. **Event Venue:** Language Lab, Computer Department, SIEM.
5. **Event Resource Person Details:**

Dr. K.C. Nalavade(HOD Computer)
Prof. Abhay R.
Gaidhani,
Prof. Pramod Patil,
Prof. Ganesh Gaikwad
6. **Name of Event Coordinator:** Prof. A.R.Gaidhani
7. **Expected Audience:** Students of Second year Computer Engineering Department.
8. **Number of Participants:** 50
9. **Course Content:**

1. C Programming - Date 06/07/2019

Session 1 by Prof. Dr. K.C. Nalavade Madam

Session 2 by Prof. A.R.Gaidhani

Session 3 by Prof. P.C. Patil sir

SESSION-1:-

- Features of C
- basic concepts

- structure of a C program
- declarations
- constants, variables
- data types
- Operators and expressions
- conditional expressions.
- Operators- assignment
- arithmetic, relational
- logical, increment and decrement
- precedence and associativity of operators
- Input and Output functions- scanf and printf.

SESSION-2:-

- **Decision Control Structures in 'C':**
 - if, if-else, nested if-else, cascaded if-else
 - switch statement
 - loop control structures: for, while,
 - do-while loops,
 - break and continue.
- **Arrays in 'C':**
 - Concept, declaration
 - initialization, accessing elements
 - operations, multidimensional array

SESSION-3:-

- **Functions in 'C':**
 - Definition.
 - Function call, call by value and call by reference
 - Return statement
- **Pointers in 'C':**
 - Concept, address operators, pointer variable declaration, pointer assignment, pointer initialization

2. Advanced C Programming - Date 13/07/2019

Session 1 by Prof. A.R.Gaidhani

Array, Structures, File handling

Session 2 by Prof. P.C. Patil

Pointers, Graphics

3. Mini Projects - Date 20/07/2019

Session 1 by Prof. G.K.Gaikwad

Session 1 by Prof. A.R.Gaidhani

10. Event Objectives & Outcomes:

Objectives:

- a. Understanding the concepts of Programming languages.
- b. To Understand and solve the programming problems.
- c. To gain confidence to do programming.
- d. To develop mini projects in C language.

Outcomes:

1. Students of Second year got the concepts of C Programming language.
2. To able to analyse different problems and to apply it to develop different C mini projects.
3. To use effective programming skills for solving various Computer Engineering problems.

11. Photos



