



**Sandip Foundation's
Sandip Institute of Technology and Research Centre
Department of Computer Engineering**

**Activity Report
on
“C Programming”
(7th – 31st July 2015)**

**Organized by,
Sandip Foundation's
Sandip Institute of Technology and Research Centre**

Department of Computer Engineering



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Activity Report On C Programming

Name of Resource Person: Prof R.S.Shirsath, Prof V.D.Patil,

Date:- 7th -31st July 2015

Coordinator:-Prof Amit Palve, Prof B.F.More

Duration of Course: 44 Hrs.

Venue:- Computer Centre,SITRC

Co-ordinator: Prof S.A.Sonawane, SITRC, Nashik

Aim:To understand 'C' Programming Language.

Objectives:

1. Make students understand the of 'C' Programming concepts and practicals.
2. To motivate students in programming.
3. Improve students practical knowledge.

Outcomes:

1. To be able to solve problem statement of a given program.
2. To improve coding skills.

No of Participants: 86

Course Content:

Course Content	Duration
1. Overview of the Programming Languages <ul style="list-style-type: none">• What is C Language• Why C Language• Future in C Language	4 Hrs

2. Data Type, Constants & Variables**4 Hrs**

- What is Data Types in C
Language with practical
- Integers, long and short in C
Language with practical
- Integers, signed and unsigned in C
Language with practical
- Chars, signed and unsigned in C
Language with practical
- Floats and Doubles in C
Language with practical
- Constants in C with practical
- Variables in C with practical
- Keywords in C with practical
- How to get input from user with
practical
- How to display output to user
with practical

3. Operator & Enum**4 Hrs**

- Operations On Bits in C
Language with practical
- Bitwise Operators with practical
- One's Complement Operator with
practical
- Right Shift Operator with
practical
- Left Shift Operator with practical
- Bitwise AND Operator with
practical
- Bitwise OR Operator with
practical
- Bitwise XOR Operator with

<p>practical</p> <ul style="list-style-type: none"> • Enumerated Data Type with practical • Uses of Enumerated Data Type with practical 	
<p>4. Statement</p> <ul style="list-style-type: none"> • IF-Else Statement in C Language with practical • for Loop in C Language with practical • While Loop in C Language with practical • Do-While Loop in C Language with practical • Break in C Language with practical • Continue in C Language with practical • Switch in C Language with practical\ 	<p>4 Hrs</p>
<p>5. Function</p> <ul style="list-style-type: none"> • What is a Function in C Language with practical • Passing Values between Functions in C Language with practical • Call by Value in C Language with practical 	<p>4 Hrs</p>

<ul style="list-style-type: none"> • Call by Reference in C Language with practical 	
<p>6. Arrays</p> <ul style="list-style-type: none"> • What are Arrays in C Language • A Simple Program Using Array • How to Initialize Array in C Language with practical • Passing Array Elements in C Language to a Function with practical • Pointers and Arrays in C Language with practical • Passing an Entire Array to a Function in C Language with practical • Two Dimensional Arrays in C Language with practical • Initializing a 2-Dimensional Array with practical • Pointers and 2-Dimensional Arrays with practical • Pointer to an Array with practical • Passing 2-D array to a Function with practical • Array of Pointers with practical • Three Dimensional Array with practical 	<p>4 Hrs</p>
<p>7. String</p> <p>What are Strings in C Language</p> <ul style="list-style-type: none"> • How to get length of a string in C Language using strlen() with 	<p>3Hrs</p>

<p>practical</p> <ul style="list-style-type: none"> • How to copy a string in C Language using strcpy() with practical • How to concatenate a string in C Language using strcat() with practical • How to compare two string in C Language using strcmp() with practical 	
<p>8. Structures</p> <ul style="list-style-type: none"> • What is Structures in C Language • Why Use Structures in C Language • Declaring a Structure in C Language with practical • Accessing Structure Elements in C Language with practical • How Structure Elements are Stored with practical • Array of Structures in C Language with practical • Additional Features of Structures with practical • Uses of Structures with practical 	<p>4Hrs</p>
<p>9. Pointer</p> <ul style="list-style-type: none"> • An Introduction to Pointers • Pointer Notation in C Language • Back to Function Calls in C Language with practical • Recursion in C Language with 	<p>4Hrs</p>

practical	
<p>10. Preprocessor</p> <ul style="list-style-type: none"> • The C Preprocessor in C Language • Features of C Preprocessor • Macro Expansion in C Language • Macros with Arguments with practical • Macros versus Functions with practical • File Inclusion in C Language with practical • #if and #elif Directives with practical • Miscellaneous Directives in C Language • #undef Directive with practical • #pragma Directive with practical 	<p>4Hrs</p>
<p>11. File Operation</p> <ul style="list-style-type: none"> • File Input/Output in C Language with practical • File Operations in C Language with practical • Opening a File in C Language with practical • Reading from a File in C Language with practical • Closing the File in C Language with practical • Counting Characters, Tabs, Spaces, with practical 	<p>4 Hrs</p>

<ul style="list-style-type: none"> • A File-copy Program in C Language • Writing to a File in C Language with practical • File Opening Modes • String (line) I/O in Files 	
Total Hours	44 Hrs

List of Participants:

Sr.No	Name of Student
1	Mrunal Ramesh Ahire
2	Jaya Sanjay Avhad
3	Harshada Bhatu Bagul
4	Rutuja Ramchandra Bhadange
5	Priya Narendra Bhojwani
6	Namrata Lalit Bhole
7	Amruta Sunil Bodke
8	Kajal Kantilal Borase
9	Rahul Chatterjee
10	Gaurav Rajendra Chaudhary
11	Poorvin Nileshbhai Desai
12	Rushi Suketubhai Desai
13	Shraddha Milind Deshmukh
14	Snehal Ramesh Dhurjad
15	Aditya Rajesh Dixit
16	Ankit Balu Gawali
17	Harshalsing Surendrasing Girase
18	Nikhil Ram Gurubaxani
19	Vaibhav Bapu Jadhav
20	Mayur Puhdlik Jadhav
21	Hrishikesh Jha

22	Bhakti Prashant Kulkarni
23	Prashant Rajendra Mahale
24	Prashant Narayan Mahale
25	Komal Balu More
26	Pushpak Bhikandas Mutha
27	Shubham Dhondu Nagare
28	Apurva Ravindra Nagare
29	Pranali Dilip Nikumbh
30	Soniya Ashokbhai Patel
31	Somesh Pralhad Patil
32	Rahul Jitendra Patil
33	Pooja Ishwar Patil
34	Ketan Vinayak Patil
35	Rutuja Yogesh Patil
36	Mrunali Rajendra Patil
37	Prachi Pravin Patil
38	Bhushan Rajendra Patil
39	Pallavi Prabhakar Pawar
40	Jayesh Prakash Pawar
41	Yogita Prabhakar Porje
42	Hardik Kailas Rabhadiya
43	Pallavi Somnath Sandhan
44	Sameer Arif Shaikh
45	Almas Sagir Shaikh
46	Aman Sharma
47	Eeshha Anneel Sharrma
48	Mandar Suresh Shinde
49	Romesh Sanjay Sonar
50	Swapnil Arun Sonawane
51	Madhuri Mohan Dalal
52	Mayawati Kailas Mahajan

53	Yogesh Shivaji Kolhe
54	Nisha Arjun Kapse
55	Shubham Vikas Deshmukh
56	Priyanka Vasudev Mahale
57	Seema Balu Lahamage
58	Dipali Rajendra Gaikwad
59	Jyoti Kakasaheb Mhaske
60	Mayuri Vijay Shinde
61	Kirti Dilip Marathe
62	Utkarsh Sanjay Patil
63	Devyani Mohan Sadavarte
64	Mansi Sanjay Chaudhari
65	Arati Rajendra Gend
66	Asmita Anil Kanojia
67	Akshata Kashinath Tikode
68	Pooja Rameshbhai Chhatrola
69	Rekha Prabhakar Pawar
70	Vaibhav Ravindra Kanade
71	Chetan Babanrao Satbhai
72	Balu Avchit Gaikwad
73	Jessica Sushil Mehendre
74	Pritam Mohan Sangle
75	Sakshi Kailas Nikam
76	Ruchika Ravindra Mahajan
77	Pooja Anil Mahajan
78	Kaushal Sham Joshi
79	Pooja Shridhar Gite
80	Kalyani Komalsing Girase
81	Madhuri Sanjay Kumavat
82	Aasawari Prakash Dixit
83	Nikita Ashok Kothawade

84	Krishnendu Vijaykumar Nair
85	Utkarsha Nitin Patil
86	Nidhi Rakesh Shah

Photographs:



**Prof.S.A.Sonwane
(Co-ordinator)**

**Prof A.D.Potgantwar
(Head, Computer Dept)**