Rayat Shikshan Sanstha's

Annasaheb Awate Arts, Commerce & Hutatma Babu Genu Science College, Manchar

Department of Physics

Short Term Course Report: 2023-24

Date: 27/04/2024
Venue: Computer Lab (Physics Dept.)
Number of beneficiary: 13 students
Class: F. Y. B.Sc.
Mode of the Program: Offline
Program Co-ordinator: Prof. P. V. Kurkute

Introduction:

An introduction to a C language course typically covers the fundamentals of programming using C, aimed at providing a solid foundation for understanding key concepts in computer programming.

Objectives:

1) To learn basic programing concepts.
2) To gain proficiency in C syntax
3) To develop problem-solving skills.
4) To prepare for advanced topics.
5) To build-up logical thinking skill.

C language Applications:

1. C language can be used in graphics.
2. C language can be used to solve complex numerical problems.
3. C language can provide a strong foundation for software development.

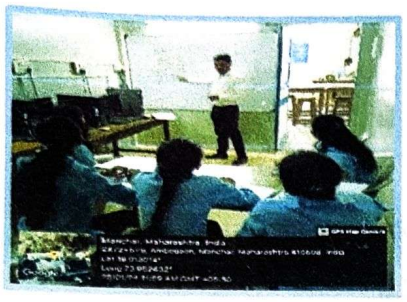
Conclusion:

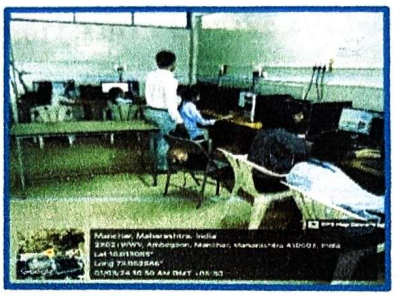
Upon completion of the course, students able to:

- Write, compile, and debug C programs independently.
- Understand and apply fundamental programming constructs using C.
- Analyze and solve problems using structured programing methodologies.

Overall, an introduction to the C language course provides a strong basis for further exploration into computer science and software development, equipping learners with practical skills applicable across various industries and domains.

Geotag Photo







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Department of Physics

Short Term Course 2023-2024

Student List

Sr.No.	Name of The Student
1	Tayde Neha Raju
2	Temgire Pratiksha Balu
3	Ambavne Ankita Balu
4	Shinde Kusum Machindra
5	Thorat Puja Sandip
6	Erande Samruddhi Sudam
7	Bhor Sakshi Vijay
8	Somvanshi Tanuja Anil
9	Vadekar Pranita Soma
10	Shinde Pratiksha Dipak
11	More Anjali Dnyaneshwar
12	Thorat Kirti Santosh
13	Vishwakarma Aishwarya

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Short Term Course: C-Language

Syllabus

Unit	Unit and subunit	Theory	Practicals
1	**Concepts of programming:** Definition and Properties of algorithms, Algorithm development, Flow charts- symbols and simple flowcharts, Flow charts and Algorithms for Kinematic equations, Free fall, Equation of state, Factorial of a Number, Types of programming language: Lower, middle and higher level languages.	04	02
2	**C Programming** Structure of C program, Character set, key words, Constants andvariables, Variable names, Data types and their declarations, Symbolic Constants. Input/output functions: scanf ( ), printf ( ), getchar ( ), putchar ( ), getch ( ), gets ( ), puts ( ). Operators and Expressions: Arithmetic Operators, Relational Operators, LogicalOperators, Assignment Operators, Conditional Operator. Formatted input/output Control statements: If, if else, while, do while for loop, nested control structures, (nested if, nested loops), break, continue, switch- case statement, goto statement. Use of Library functions: e.g. mathematical, trigonometric, graphics	05	05
3	**Arrays and Pointers in C** Arrays: 1-D, 2-D and String, Examples: Arranging numbers in descending and ascending order, Sum of matrices, multiplication of matrices. Concept of Pointers.	05	04
4	**User Defined Function in C** User defined functions: Definitions and declaration of function, functionprototype, passing arguments (Call by value, Call by reference). Storage Classes: Auto, External, Static, Register variables	05	04
5	**Graphics in C** Some simple graphic commands- Line, Circle, Arc, Ellipse, Bar.	04	03
6	**Computational Physics** Errors in Computation: Inherent errors in storing numbers due to finite bit representation to use in Computer, Truncation error, round off errors (Explain with the help of examples), Iterative methods: Discussion of algorithm and flowcharts and writing Cprograms for finding single root of equation using bi-section method,	06	10

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Short Term Course 2023-2024

Attendance

Lecture

Sr.No.	Name of The Student	30/1/24	2/2/24	6/2/24	9/2/24	13/2/24	16/2/24	20/2/24
1	Tayade Neha Raju	Tayade	Tayade	Tayade	Tayade	Tayade	Tayade	Tayade
2								
3	Temgire pratiksha Balu	P.B.T	P.B.T	P.B.T	P.B.T	A	P.B.T	P.B.T
4	Ambavane Ankita N.	Ankita	Ankita	A	Ankita	Ankita	Ankita	Ankita
5	Somavanshi Tanuja Anil	Tanu	Tanu	Tanu	Tanu	Tanu	Tanu	A
6	Shinde kusum Machindra	Kusum	Kusum	Kusum	Kusum	Kusum	Kusum	Kusum
7	Vadekar Pranita Sama	Vadekar	Vadekar	A	Vadekar	Vadekar	Vadekar	Vadekar
8	Bhor sakshi vijay	Bhor	Bhor	Bhor	A	Bhor	Bhor	Bhor
9	Erande Samruddhi Sudam	Samru	A	Samru	Samru	Samru	Samru	Samru
10	Thorat Puja Sandip	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat
11	more Anjali dnyaneshwar	More	More	More	More	More	More	More
12	Shinde pratiksha dipak	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	A
13	Thorat Kirti santosh	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat
14	Vishwakarma Aishwarya	AV	AV	AV	AV	AV	AV	AV
15								

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Short Term Course 2023-2024

Attendance

Practical

Sr.No.	Name of The Student	25/2/24	27/2/24	1/3/24	5/3/24	13/3/24	15/3/24	19/3/24
1	Tayade Neha Raju	Tayade	Tayade	Tayade	Tayade	Tayade	Tayade	Tayade
2	Tengire Pratiksha Balu	P.B.T	P.B.T	P.B.T	P.B.T	P.B.T	A	P.B.T
3	Ambavane Ankita N.	Ankita	Ankita	Ankita	Ankita	A	Ankita	Ankita
4	Shinde kusum Machindra	Kusum	Kusum	Kusum	Kusum	Kusum	Kusum	Kusum
5	Nadekar Pranita Soma	Nadekar	Nadekar	Nadekar	A	Nadekar	Nadekar	Nadekar.
6	Somavanshi Tanuja Anil	Tanu	A	Tanu	Tanu	Tanu	Tanu	Tanu.
7	Erande Samruddhi Sudam	Samrudhi	Samrudhi	A	Samrudhi	Samrudhi	Samrudhi	Samrudhi
8	Bhor Sakshi vijay	Bhor	Bhor	A	Bhor	Bhor	Bhor	Bhor
9	Tharat Puja Sandip	Puja	Puja	Puja	A	Puja	Puja	Puja
10	Thorat Kirti santosh	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat	Thorat
11	Vishwakarma Aishwarya	AV	AV	AV	AV	AV	AV	AV
12	More Anjali anganeshwar	Amore	Amore	Amore	Amore	Amore	Amore	Amore
13	Shinde pratiksha dipak	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
14								
15								

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Short Term Course 2023-2024

Notice

All the students of F.Y. B.Sc. listed below are hereby informed that the short term course on **"C language"** organized by Department of Physics will commence from 23/01/2024. All the students of this course should remain present for the classes and practicals as per the timetable. It is mandatory to all enrolled students.

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Short Term Course 2023-2024

Attendance

Examination

Sr.No.	Name of The Student	30|3|24
1	Tayade Neha Raju	Tayade
2	Tengire Pratiksha Balu	P.B.T
3	Ambhvane Ankita N.	Ankita
4	Shinde kusum Machindra	Kusum
5	Thorat Puja Sandip	Thorat
6	Errande Samruddhi Sudam	Samruddhi
7	sakshi vijay bnor	Sbnor
8	Samavanshi Tanuja Anil	Tanuja
9	Nadekar Pranita Soma	Pankekar
10	Shinde pratikshadipak	Shinde
11	More Anjali Dnyaneshwar	Dmore
12	Thorat kirti santosh	Kthorat
13	Vishwakarma Aishwarya	Aishwarya
14		
15		

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Short Term Course 2023-2024

Marklist

Sr.No.	Name of The Student	Marks (70)
1	Tayde Neha Raju	61
2	Temgire Pratiksha Balu	39
3	Ambavne Ankita Balu	40
4	Shinde Kusum Machindra	44
5	Thorat Puja Sandip	55
6	Erande Samruddhi Sudam	39
7	Bhor Sakshi Vijay	48
8	Somvanshi Tanuja Anil	47
9	Vadekar Pranita Soma	50
10	Shinde Pratiksha Dipak	52
11	More Anjali Dnyaneshwar	51
12	Thorat Kirti Santosh	44
13	Vishwakarma Aishwarya	56

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