Rayat Shikshan Sanstha's

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

Department of Physics

Short Term Course Report: 2024-25

Date: 21/04/2025
Venue: Computer Lab (Physics Dept.)
Number of beneficiary: 22 students
Class: F.Y.B.Sc.
Mode of the Program: Offline
Program Co-ordinator: Prof.S.C. Mahakal
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.

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Department of Physics

Short Term Course 2024-2025

Notice

All the students of F.Y. B.Sc from batch **C and G** listed below are hereby informed that the short term course on **"C language"** organized by Department of Physics will commence from 03/1/2025. 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.

Head

Department of Physics

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A.A. College,Manchar

Rayat Shikshan Sanstha's
Annasaheb Awate College Manchar
Department of Physics
2024-2025
STC – C language

Sr. No.	Friday (T)	Friday (P)
1	10.25 to 1.25	10.25 to 1.25
	VPM	SBJ

Name of Teacher – 1) Jagtap S.B.

2) Mhaske V.P.

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Annasaheb Awate College, Manchar Pune

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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Annasaheb Awate College, Manchar

Department of Physics

Short Term Course 2024-2025

Student List

Sr.No.	Name of The Student	Sign
1	Bhavari Prajakta Shivaji.	
2	Hile Aaditi Subhash	
3	Bharari Sneha Savaleram	
4	Mate Snehal Vijay	
5	Gawari Swati Chima	
6	Kale Samiksha Somnath	
7	Chaskar Snehal Mahesh	
8	Sonavane Pipali Dnyaneshwar	
9	Memane Ashwini Vaijba	
10	Dhumal Sairaj Jitendra	
11	Kavate Rahul Laxman	
12	Nikhil Hemant Jagtap	
13	Dongre Sanskruti S	
14	Jagtap Shivanjali S.	
15	Tarade Diksha Ramchandra	
16	Damse Pratiksha Tukaram	
17	Masale Pooja Khemd	
18	Salkar Gauri Bapurao	
19	Vishwasrao Dhanshree Ashok	
20	Pardhi shruti Devdatta	
21	Kawate Rahul Laxman	
22	Snehal	
23	Vishwasrao Dhanshree Ashok	
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ANNASAHEB AWATE MANCHAR

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Annasaheb Awate College, Manchar

Department of Physics

Short Term Course 2024-2025

Attendance

Theory Lecture

Sr.No.	Name of The Student	03/01/25	10/01/25	17/01/25	24/01/25
1	Bhawari Peajakta shivaji	Peaju	Peaju	Peaju	Peaju.
2	Hile Aaditi Subhash	Ahile	Ahile	Ahile	Ahile
3	Bhavari Sneha Savaleram	Bhavari	Bhavari	Bhavari	Bhavari
4	Mate Snehal Vijay	Sumate	A	Sumate	Sumate
5	Gawari Swati Chima	Sgawari	Sgawari	Sgawari	Sgawari
6	Kale Samiksha Somnath	Kale	Kale	Kale	Kale
7	Chaskar Snehal Mahesh	Snehal	Snehal	Snehal	Snehal
8	Sonavane Dipali	Dipali	Dipali	Dipali	Dipali
9	Memane Ashwini Vaibq	Ashwini	Ashwini	Ashwini	Ashwini
10	Dhumal Sairaj T.	Dhumal	Dhumal	Dhumal	Dhumal
11	~~Kamble Rahul E~~				
12	Nikhil Hemant Jagtap	NJagtap	NJagtap	NJagtap	NJagtap
13	Dongare Sanskruti S.	Dongare	Dongare	Dongare	Dongare
14	Jagtap Shivanjali S.	Jagtap	Jagtap	Jagtap	Jagtap
15	Tonade Diksha Rymchandra	Diksha	Diksha	Diksha	Diksha
16	Damse Pratiksha Tukaram	Damse	Damse		Damse
17	Masale Pooja Khema	Masale	Masale	Masale	Masale
18	Satkar Gauri Bapurao	Gauri.	Gauri.	Gauri.	Gauri.
19	~~Vishwasrao Dnyaneshree Ashok~~				
20	Kawade Rahul Laxman				
21	Vishwasrao Dnanshree Ashok	Vishwas	Vishwas	Vishwas	Vishwas
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Department of Physics

Short Term Course 2024-2025

Attendance

Theory Lecture

Sr.No.	Name of The Student	29/01/25	31/01/25	05/02/25	07/02/25
1	Bhawari Peajakta shivaji	P	P	P	P
2	Hile Aaditi subhash	A	A	A	A
3	Bhavari Snehal Savaleram	P	P	P	P
4	Mate Snehal vijay	P	P	P	P
5	Gawari Swati chima	P	P	P	P
6	kale Samiksha Somnath	P	P	P	P
7	Chaskar Snehal Mahes	P	P	P	P
8	Sonavane Pipali P	P	P	P	P
9	Memane Ashwini valiba	P	P	P	P
10	Dhumal Sairaj J.	P	P	P	P
11	~~Kokvale Rahul L~~				
12	Nikhil Hemant Jagtap	P	P	P	P
13	Dongare Sanskruti S	P	P	P	P
14	Jagtap Shivanjali S	P	P	P	P
15	Tarade Diksha Ramchandra	P	P	P	P
16	Damse pratiksha Tukaram	P	P	P	P
17	magale pooja khema	P	P	P	P
18	Satkar Gauri Bapurao	P	P	P	P
19	Vishwapra Dhanshree Ashok				P
20	Kawate Rahul Laxman	P	P	P	P
21	Dhanshree Ashok Vishwapra	D.A.V	D.A.V	D.A.V	D.A.V
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Short Term Course 2024-2025

Attendance

Practical

Sr.No.	Name of The Student	14/02/25	21/02/25	28/02/25	07/03/25
1	Bhavari Prajakta Shivaji	Present	Present	Present	Present
2	Hile Aaditi Subhash	Hile	A	Hile	Hile
3	Bhavari Sneha Sayaleram	Bhavari	Bhavari	A	Bhavari
4	Mate Snehal Vijay	Swmate	Swmate	Swmate	Swmate
5	Gawari Swati Chima	Gawari	Gawari	Gawari	Gawari
6	Kale Samiksh Somnath	Kale	Kale	Kale	Kale
7	Chaskar Snehal mahesh	Snehal	Snehal	Snehal	Snehal
8	Sonavane Dipali	Present	Present	A	Dipali
9	Memane Ashwini Valiba	Ashwini	Ashwini	Ashwini	Ashwini
10	Thomal Sairaj J.	Thomal	Thomal	Thomal	Thomal
11	~~Kawate Rahul L~~				
12	Nikhil Hemant Jagtap	NJagtap	NJagtap	NJagtap	NJagtap
13	Dongare Sanskruti S	Dongare	Dongare	Dongare	Dongare
14	Jagtap Shivanjali S	Jagtap	Jagtap	Jagtap	Jagtap
15	Tarade Diksha Ramchandra	Diksha	Diksha	Diksha	Diksha
16	Damse Pratiksha T	Damse	Damse	Damse	Damse
17	Masale Pooja khema	Masale	Masale	Masale	Masale
18	Satkar Gauri Bapusap	Gauri	Gauri	Gauri	Gauri
19	Vishwasrao Dhanshree Ashok	Vishwasrao	Vishwasrao	Vishwasrao	Vishwasrao
20	Kawate Rahul Laxman				
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Attendance

Examination

Sr.No.	Name of The Student	Sign
1	Bhawari Peajaksa Shivaji	Peaju
2	Hile Aaditi Subhash	Hile
3	Bhavari Sneha Savaleram	Bhavari
4	Mate Snehal Vijay	Mate
5	Gawari swati chima	Gawari
6	Kole Samiksha Somnath	Kole
7	Chaskar Snehal Mahesh	Snehal
8	Sondvane Dipali	Dipali
9	Memane Ashwini Valiba	Ashwini
10	Dhumal sairaj J.	Dhumal
11	Kawate Rahul L.	Kawate
12	Nikhil Hemant Jagtap	Jagtap
13	Dongare Sanskruti S	Dongare
14	Jagtap Shivanjali S	Jagtap
15	Tarade Disha Ramchandra	Disha
16	Damse Pratiksha Tukaram	Damse
17	Masale Pooja Khema	Masale
18	Satkar Gauri Bapurao	Gauri
19	Vishwasrao Dhanshree Ashok	Vishwasrao
20	Kawate Rahul Laxman	Kawate
21	Vishwasrao Dhanshree Ashok	Vishwasrao
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