Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

INDEX

Sr. No.	Particulars
1	Report
2	List of Admitted Students
3	Objective and Outcomes
4	Syllabus of the Course
5	Time Table
6	Examination Notice to Students
7	Mark-List

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Report

As the department always strives for the best, taking into consideration the need of the computer and job opportunity Department of Mathematics ran the Short Term Course entitled **'C and C++ Language'** in academic year 2021-22.

The department has designed this course. It has its own Board of Studies (BoS). All the faculty members took active participation in running the said course. The course started from 4 March 2022 and completed at May 2022. The 06 students enrolled to this course. The examination was conducted on 6th June, 2022.

The present faculty of the Department teaches this course as well. In addition to it the exam is taken and the certificates are issued to the students.Students are benefited through this course.

Sr. No.	Year	No. of beneficiary students
1	2021-22	06

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Objectives and Outcome of the course-

Objectives of the course –

1) To aware student about importance of computer technology.

2) To know concepts of C and C++programming.

3) To know basics of C and C++ programming.

4) To understand how to use programming in day to day applications.

5) To acquire understanding of basic objects oriented concepts and issue involved in effective Classroom.

Outcome of the course-

1) Learning of this course student can develop logical thinking .

2) Understanding the basic knowledge of C and C++ Language.

3) To open our own business .

4) Student will get depth knowledge about computer technology .

Reference Books:-

1)Programming in C and C++Balguruswamy.

2)Let us C-Kanetkar

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course

C and C⁺⁺ Language

Course Particulars

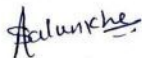1. Eligibility   : XII std. pass.

2. Duration of Course   : 3 Months.

3. No. of Students   : 15

4. Examination   : Written Exam (50 marks)
                                    Practical Exam(50 marks)

5. Faculty   : 1. Mrs.A.S.Salunkhe (Co-ordinator)
                                   2. Mr.Shete R.K.

6. Coordinator   : Head, Dept. of Mathematics
                                   D.P. Bhosale College, Koregaon.

7. Board of Studies-

1. Mrs.Salunkhe A.S.   (Co-ordinator)
2. Dr.Yadhav J .D.   (S.G.M.College, Karad)
3. Mr. Patil S .A.   (S.G.M.College, Karad)

8. Experts Name-

1. Mr. Patil S .A.   (S.G.M.College, Karad)
2. Mr. Wadile A. S.   (Dahiwadi College, Dahiwadi)

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C⁺⁺ Language

Syllabus

Sr.No.	Unit	Theory	Practical	Total period
1.	Introduction to C and C++-Language 1.1 Introduction 1.2 History of C and C++-Language 1.3 Structures of C and C++Language 1.4 Computer system 1.5 Computer languages 1.6 Function as building block 1.7 Expression in C and C++	04	02	07
2	2.1 Language fundamentals: 2.2 Character set 2.3 keywords 2.4 Identifiers 2.5 variables 2.6 constants 2.7 Data types 2.8 Operators	04	02	07

3
 	
4
	Introduction to problem solving:
	Concept: problem solving
	problem solving technique
	Algorithms and flowchart
	simple examples)
	Built in operators and functions
	Related built in I/O function
	4.1 printf(), scanf(), getch()
	4.2 Concept of header files
	4.3 preprocessor directives :
	   #Include
	   #define
		04	02	07

5	Control structures
	  Decision making structures:
	5.1 If
	5.2 If –else
	 5.3 Nested If –else
	 5.4 Switch
	Loop control structures
	 While
	  Do-While
	   For
	Nested for loop
	Break ,continue, goto , statements
		04	02	07

6	functions : Basic types of functions, user defined function Declaration and definition Types of functions ,Simple program.	02	02	05
7	Arrays: one dimensional array Two dimensional array Simple programmes . Sorting of an array Linear search Binary search	04	02	07

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Notice

Date: 04/03/2022

All students of B.Sc. III (Mathematics) are here by informed that Department of Mathematics going to organize Short Term Course 'C and C++ Language' has been scheduled from 7th March 2022 to May 2022 , remain present at prescribed time in lecture hall.

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Time Table (March .2022 to May. 2022)

Theory and Practical (Per week)

TIME	MON.	TUE.	WED.	THU.	FRI.	SAT.
THEORY						
9.30-10.30 a.m.	C.A.K	S.A.S.	----	----	----	----
PRACTICAL						
4.23 – 6.00 p.m.	P.S.R	S.A.S.	----	----	----	----

1. S.A.S. – Mrs. Salunkhe A.S.

2. C.A.K. – Miss. Chinke A.K.

3. P.S.R. – Miss. Pawar S.R.

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

Rayat Shikshan Sanstha's

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course

C and C++ Language

Practical Demonstration by Miss. Pawar S. R. dated 19/04/22

Rayat Shikshan Sanstha's

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course

C and C++ Language

List of Students

Sr.No.	Name of the Students
1	Chavan PratikshaSudhir
2	Godase Ganesh Tanaji
3	Jadhav Pranali Pandurang
4	Nikam Divya Vijay
5	Nikam Shreenath Prakash
6	Shete Samruddhi Nandkumar

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Examination Notice

Students of short term course of C and C++ Language are hereby informed that their examination (Theory and Practical) will be conducted on 6th June, 2022. The Dates and time table are as follows.

Examination	Subject	Date	Time
Theory	C and C++ Language	06/06/2022	11.00 a.m. to 1.00 p.m.
Practical	C and C++ Language	06/06/2022	02.00 p.m. onwards.

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course

C and C++ Language

Date- 06/06/2022   **Time-11 to 1 pm**   **Marks-50**

Intructions: 1)All questions are compulsory and equal marks

2)Figures to write indicate full marks.

Q.1)Write a C++ program on Euler method.   **(15)**

OR

Q.1) Explain the do-while statement and write C-program for sum of odd number from 1 to 100.

Q.2) Write a C++ program on Range kutta method of 4th order.   **(15)**

OR

Q.2). Write a C-Program Trapezoidal Rule.

Q.3)Explain Input and output statement   **(10)**

OR

Q.3)Define a loop structure,characterset,variable.

Q.4)Write a C++ program on Simpson's 1/3rd rule**.**   **(10)**

OR

Q.4)Write a C-program on

a) Write the C-program for the factorial of n.

b)Find largest number among three numbers.

Rayat Shikshan Sanstha's
D.P.Bhosale College, Koregaon
Department of Mathematics
Short Term Course
C and C++ Language

Marksheet

Sr.No.	Name of Student	Marks Theory out of 50	Marks Practical out of 50	Total out of 100	Grade
1	Chavan PratikshaSudhir	40	49	89	A+
2	Godase Ganesh Tanaji	20	40	60	A
3	Jadhav Pranali Pandurang	40	49	89	A+
4	Nikam Divya Vijay	35	48	83	A+
5	Nikam Shreenath Prakash	20	40	60	A
6	Shete Samruddhi Nandkumar	35	45	80	A+

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

PRINCIPAL,
D. P. Bhosale College,
Koregaon.

Department of Mathematics

Short Term Course (2021-22)

C and C++ Language

Sr. No	Roll No.	Name of the Students	7/3/22	8/3/22	14/3/22	15/3/22	21/3/22	22/3/22	28/3/22	29/3/22
1	22646	Chavan Pratiksha Sudhir	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*
2	22647	Godase Ganesh Tanaji	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*
3	22648	Jadhav Pranali Pandurang	Jadhav P.P	Jadhav P.P	Jadhav P.P	Jadhav P.P	Jadhav P.P	Jadhav P.P	Jadhav P.P	Jadhav P.P
4	22649	Nikam Divya Vijay	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*
5	22650	Nikam Shreenath Prakash	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*
6	22651	Shete Samruddhi Nandkumar	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*	*(sig)*

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course (2021-22)

C and C++ Language

Sr. No	Roll No.	Name of the Students	4/4/22	5/4/22	11/4/22	12/4/22	18/4/22	19/4/22	25/4/22	26/4/22
1	22646	Chavan Pratiksha Sudhir								
2	22647	Godase Ganesh Tanaji								
3	22648	Jadhav Pranali Pandurang								
4	22649	Nikam Divya Vijay								
5	22650	Nikam Shreenath Prakash								
6	22651	Shete Samruddhi Nandkumar								

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's

D.P.Bhosale College, Koregaon

Department of Mathematics

Short Term Course (2021-22)

C and C++ Language

Sr. No	Roll No.	Name of the Students	2/5/22	9/5/22	10/5/22	17/5/22	23/5/22	24/5/22	30/5/22	31/5/22
1	22646	Chavan Pratiksha Sudhir								
2	22647	Godase Ganesh Tanaji								
3	22648	Jadhav Pranali Pandurang								
4	22649	Nikam Divya Vijay								
5	22650	Nikam Shreenath Prakash								
6	22651	Shete Samruddhi Nandkumar								

Head
Department of Mathematics
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's

D. P. BHOSALE COLLEGE, KOREGAON

SHORT TERM COURSE

Certificate

This is to certify that Mr./Miss………………………………………………………………………………

CLASS : …………………………………SUBJECT………………………………………………………………

has successfully completed three months

"Short Term Course" in ……C and C++ Language………………………………………………………

From 4 March 2022 to May 2022…… and obtained ………………………… Grade.

Chairman   Course Co-ordinator   Principal