

"Certificate Course  
2022 - 2023"

"C - Programming"

22 Course Curriculum & Schedule 22



Government of West Bengal

**Government General Degree College, Nakashipara**

Department of Mathematics

MURAGACHHA, NADIA, PIN- 741154

Phone No.: 03474-268008 web: [www.muragachhagovtcollege.org](http://www.muragachhagovtcollege.org) e-mail: [mgcnadia2015@gmail.com](mailto:mgcnadia2015@gmail.com)

Ref. No.....

Dated: 12.09.2022

# C

# PROGRAMMING

CERTIFICATE COURSE BY

DEPARTMENT OF MATHEMATICS

JOIN IN OUR PROGRAM...

STAY AHEAD OF OTHERS

**Course Objective:** Concepts and knowledge of C is the backbone in the Software Programming. The objective of the course is to give a thorough training on various the concepts of C and provide an exposure to its applications in different Mathematical computations and real-life scenario.

**Course Duration:** 30hours

**Mode Of delivery:** Classroom Lectures & Hands-on (in the Lab)

**Date:** 12<sup>th</sup> Oct to 20<sup>th</sup> Oct 2022



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## Syllabus (Outline):

1. Overview of Programming
2. Introduction to C
3. Data types, Variables, Constants
4. Operators, Expressions, Assignments
5. Control statements
6. Console Input/output
7. Arrays
8. Functions
9. Pointers
10. Structures and Unions
11. The C Preprocessor
12. Header Files
13. Applications of C Programming in Mathematical Computing
14. Real world programming: Examples

*Biswajit Saha*  
12.09.2022

Contact for information and registration:

Dr. Biswajit Saha and Mr. Prabir Chakraborty, Course Coordinators,

Department of Mathematics,

Government General Degree College, Nakashipara

Mob No.: 7908483300 and 8013187678



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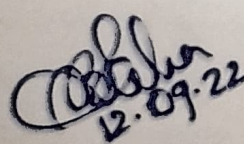
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## Certificate Course on "C-Programming" 2022

### LECTUREANDLABSCHEDULE

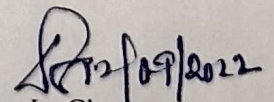
TOPIC	Date	NO. OF LECTURES/ HANDS ON SESSION (IN HOURS)
Overview of Programming & Introduction to C	12.10.22(11.00 AM- 01.00 PM)	02
Data types, Variables, Constants, and formatting Operators, Expressions, Assignments	12.10.22(02.00 PM- 04.00 PM)	02
Control statements, Console Input/output	13.10.22(11.00 AM- 01.00 PM)	02
<b>Lab Session</b>	13.10.22(02.00 PM- 04.00 PM)	02
Arrays	14.10.22(11.00 AM- 01.00 PM)	02
<b>Lab Session</b>	14.10.22(02.00 PM- 04.00 PM)	02
Functions	15.10.22(11.00 AM- 12.00 PM)	01
Pointers	15.10.22(12.00 AM- 01.00 PM)	01
<b>Lab Session</b>	15.10.22(02.00 PM- 04.00 PM)	02
Structures and Unions	17.10.22(11.00 AM- 01.00 PM)	02
<b>Lab Session</b>	17.10.22(02.00 PM- 04.00 PM)	02
File Handling in C	18.10.22(11.00 AM- 12.00 PM)	01
The C Preprocessor	18.10.22(12.00 AM- 01.00 PM)	01
<b>Lab Session</b>	18.10.22(02.00 PM- 04.00 PM)	02
Applications of C Programming in Mathematical Computing	19.09.22(12.00 PM- 01.00 PM)	02
<b>Lab Session</b>	19.10.22(02.00 AM- 04.00 PM)	02
Real World Programming	20.10.22(11.00 AM- 01.00 PM)	02
Certificate Distribution	20.10.22(01.00 PM- 02.00 PM)	

  
12.09.22

Course Coordinator

(Dr. Biswajit Saha & Mr. Prabir Chakraborty)

Government General Degree College, Nakashipara

  
12/09/2022

Officer In-Charge

Government General

Degree College, Nakashipara

Officer-in-Charge

Govt. General Degree College, Nakashipara  
Muragachha, Nadia