



8/1/19

**Department of Physics**  
**Rishi Bankim Chandra Evening College**  
Naihati, North 24 Parganas, PIN - 743165, West Bengal, India  
Phone: (033) 2581-1281 ♦ Email: [physics@rbcec.in](mailto:physics@rbcec.in)

Ref. No. RBCEC/Phys/VAC/1

Date: 01.02.2019

To  
The **Principal**,  
Rishi Bankim Chandra Evening College,  
Naihati, 24 Pgs. (N)

Sub: ***Proposal for Value Added Course on Basics of C++ Language***

Sir,

I am submitting herewith a proposal to conduct a Value-Added Course on "***Basics of C++ Language***" for the Final Year students of the Department of Physics. This course will help them in many ways in their future career prospect.

I request you to consider my application and kindly allow to conduct the same.

Yours sincerely,

*Debojyoti Halder*

Head,

Department of Physics

Head

Department of Physics

Rishi Bankim Chandra Evening College

Naihati, 24 Pgs. (N)

Enclosure: 1. Proposal and Syllabus of the course



# **Proposal of the Value-Added Course on “Basics of C++ Language”**

## **Details of Course Proposed:**

I. Name of the Course	Value Added Course on “Basics of C++ Language”
II. Target Group	Final Year B. Sc. General Students
III. Duration of the Course	40 Hours
IV. Medium of Instruction	English
V. Intake Capacity	15 (Fifteen)
VI. Evaluation	Continuous Assessment and End Term Exam
VII. Fees	Nil
VIII. Teaching Faculty	Dr. Suman Paul Visiting Faculty, Department of Physics

## **“Basics of C++” – Syllabus and Evaluation Pattern**

### **Objective**

The objective of this course is to inculcate basic knowledge and the salient features of object - oriented programming. The student may be able to identify the data structure and syntax of programming and will be able to do simple programming.

### **Syllabus and books for study Basics of C++**

#### **Unit 1: Introduction (6 Hrs)**

- Introduction to programming language,
- Object oriented programming, C++ and Its features,
- Getting Started with Character sets of C++,
- Tokens & Keywords,
- Identifiers, Literals, Punctuators & Operators

#### **Unit 2: Data types and Statements (12 hrs)**

- Data Types - Fundamental data types,
- User-defined data types, Derived data types,
- Variables & Variable initialization,
- The Access Modifiers & Type modifiers,
- Expressions, Statements - Declaration statements, Assignment Statements, Input statements, Output statements

#### **Unit 3: Control Statements (6 Hrs)**

- Introduction to Programming,
- Comments,





- Control Statements – if, if...else, nested if, else-if ladder, switch, for, while, do...while

#### Unit 4: Arrays (6 Hrs)

- Arrays & declaring arrays,
- Memory allocation for arrays,
- Array initialization,
- String Handling using arrays,
- Types of Arrays in Programming: one-dimensional array, two-dimensional array

#### Books for study:

1. Programming in C++: D. Ravichandran, Tata Mc Graw Hill, 2011
2. Object oriented programming with C++: E. Balaguruswami, 5<sup>th</sup> Edition., Tata Mc Graw Hill
3. Programming in C++: M.T. Somasekharan, PHI Pvt. Publishing, 2005

#### Pattern of Evaluation\*:

Continuous Assessment	10 marks
End Term Examination	40 marks
Total	50 marks

\* 25 marks is considered to be pass mark

*Debjyoti Halder*  
03/02/2019  
**Signature of Head**  
Head

Department of Physics  
Miss. Sankim Chandra Evening College  
Naihati, 74 Parganas (N. W.B)



*SP Paul*  
**Signature of the Course Coordinator**



**Department of Physics**  
**Rishi Bankim Chandra Evening College**  
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Ref. No. *RBCEC/Phys./VAC/2*

Date: 05.02.2019

## NOTICE

All the B. Sc. General Part III students of session 2018-19 of our college is hereby informed that, the Department of Physics is going to organise a Value-Added Course on “*Basics of C++ Language*”.

There are 15 (Fifteen) seats for this said course. Students willing to join the course are asked to register their names with Dr. Suman Paul as early as possible.

*Suman Paul*  
Principal

*Debojyoti Halder*  
(Debojyoti Halder)  
Head, Department of Physics







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Ref. No. RBCEC/Phys./NAE/3

Date: 15.02.2019

Value Added Course on “**Basics of C++ Language**”

List of Admitted Students (2019-20)

Sl. No.	Name of Student	Class	Roll No.	Signature
1	Pritam Paul	B. Sc. General	22	Pritam Paul
2	Sourav Barman	B. Sc. General	24	Sourav Barman.
3	Akash Deb	B. Sc. General	41	Akash Deb
4	Sagar Ghosh	B. Sc. General	46	Sagar Ghosh
5	Sandip Ghosh	B. Sc. General	48	Sandip Ghosh
6	Rahul Roy	B. Sc. General	54	Rahul Roy
7	Debasish Das	B. Sc. General	05	Debasish Das
8	Sujay Biswas	B. Sc. General	08	Sujay Biswas.
9	Suvajit Das	B. Sc. General	34	Suvajit Das.
10	Uday Manna	B. Sc. General	14	Uday Manna
11	Goutam Das Debnath	B. Sc. General	33	Goutam Das Debnath
12	Mahima Yadav	B. Sc. General	64	Mahima Yadav
13	Ashis Majumdar	B. Sc. General	75	Ashis Majumdar
14	Arka Das	B. Sc. General	74	Arka Das



*Debojyoti Haldar*  
Head  
Department of Physics

Head  
Department of Physics  
Rishi Bankim Chandra Evening College  
Naihati, 24 Parganas (N. W.B)





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**Rishi Bankim Chandra Evening College**  
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Ref. No. RBCEC/Phys/VAC/4


Date: 15.03.2019

**Value Added Course on “*Basics of C++ Language*”**

Result of Students (2019-20)

Sl. No.	Name of Student	Class	Roll No.	Marks Obtained
1	Pritam Paul	B. Sc. General	22	45
2	Sourav Barman	B. Sc. General	24	43
3	Akash Deb	B. Sc. General	41	30
4	Sagar Ghosh	B. Sc. General	46	48
5	Sandip Ghosh	B. Sc. General	48	35
6	Rahul Roy	B. Sc. General	54	46
7	Debasish Das	B. Sc. General	05	35
8	Sujay Biswas	B. Sc. General	08	30
9	Suvajit Das	B. Sc. General	34	46
10	Uday Manna	B. Sc. General	14	41
11	Goutam Das Debnath	B. Sc. General	33	41
12	Mahima Yadav	B. Sc. General	64	40
13	Ashis Majumdar	B. Sc. General	75	45
14	Arka Das	B. Sc. General	74	40

  
Principal

  
Head  
Department of Physics,  
R.B.C. Evening College



Head  
Department of Physics  
Rishi Bankim Chandra Evening College  
Naihati, North 24 Parganas (N.W.B.)



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Ref. No. RACEE/Phys/VAC/5

Date: 29.03.2019

**Value Added Course on “Basics of C++ Language”**

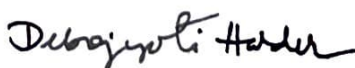
**Report on Value Added Course**  
**Session 2019-20**

In the Academic Session 2019-2020 a Value-Added Course on “Basics of C++ Language” was conducted by the Department of Physics. 14 (Fourteen) students were admitted for this Value-Added course. Through this course students get knowledge about basics and various aspects of C++ Language. Assessment was done in the form of Continuous Assessment and End Term Exam. The list of students for the Value-Added course is as below:

Sl. No.	Name of Student	Class	Roll No.	Remarks
1	Pritam Paul	B. Sc. General	22	-
2	Sourav Barman	B. Sc. General	24	-
3	Akash Deb	B. Sc. General	41	-
4	Sagar Ghosh	B. Sc. General	46	-
5	Sandip Ghosh	B. Sc. General	48	-
6	Rahul Roy	B. Sc. General	54	-
7	Debasish Das	B. Sc. General	05	-
8	Sujay Biswas	B. Sc. General	08	-
9	Suvajit Das	B. Sc. General	34	-
10	Uday Manna	B. Sc. General	14	-
11	Goutam Das Debnath	B. Sc. General	33	-
12	Mahima Yadav	B. Sc. General	64	-
13	Ashis Majumdar	B. Sc. General	75	-
14	Arka Das	B. Sc. General	74	-

All the enrolled students have successfully completed the value-added course.

  
Principal

  
Head

Department of Physics  
Rishi Bankim Chandra Evening College  
Naihati, North 24 Parganas (N. V. S.)





বিনাশা বিযুক্তয়ে  
যায় বক্রিমাচন্দ্র  
সাক্ষা মহাবিদ্যালয়

১৯৪৭

# Rishi Bankim Chandra Evening College

Naihati, West Bengal, India

NAAC Accredited; Website: [www.rbceec.in](http://www.rbceec.in)

## *Course Completion Certificate*

This is to certify that, **SUVAJIT DAS**, Final Year B. Sc. Geology  
Student of R. B. C. Evening College, Naihati has successfully  
completed the Value-Added Course on “Basics of C++ Language”  
organized by Department of Physics.

COURSE COORDINATOR

*Department of Physics*

HEAD

*Department of Physics*

PRINCIPAL



### Class Attendance

## EVENING COLLEGE, NAIHATI

**Class.....Year.....Section.....**

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