

**PANCHAKOT MAHAVIDYALAYA**  
**SARBARI, NETURIA, PURULIA**

Affiliated to Sidho Kanho Birsha University, Purulia



**Department of Computer  
Science**

Add-on/ Certificate Course

**C programming: Computing and  
Beyond**

Session: 2022-2023



# Brochure



## **Panchakot Mahavidyalaya**

**SARBARI, NETURIA, PURULIA, WEST BENGAL**

### **C programming: Computing and Beyond**

**Add On Course, Dept. of Computer Science**

Duration: 32 hrs.

For detailed schedule log-on to: [www.panchakotmv.ac.in](http://www.panchakotmv.ac.in)

**Course Coordinator: Suman Kumar Chanda, HOD, Dept. of Computer Science**

#### **About this Course:**

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 Content:**

Module 1: Overview of Programming & Introduction to C, Data types, Variables, Constants, and formatting, (4 hrs.)  
Module 2: Operators, Expressions, Assignments, Control statements, Console Input/Output, Lab Session, (4 hrs.)  
Module 3: Arrays, Lab Session, (4 hrs.)  
Module 4: Functions, Lab Session, (4 hrs.)  
Module 5: Pointers, Lab Session, (4 hrs.)

Module 6: Structures and Unions, Lab Session, (4 hrs.)

Module 7: File Handling in C, The C Preprocessor, Lab Session, (4 hrs.)

Module 8: Applications of C Programming in Mathematical Computing, Lab Session, Real World Programming . (4 hrs.)



To  
The Principal  
Panchakot Mahavidyalaya  
Sarbari, Neturia, Purulia

Applicant: Suman Kumar Chanda, Department of Computer Science


Subject: Proposal for 'C programming: Computing and Beyond' for the session 2022-2023

Respected Sir,

I am requesting you, please see my course details which I am going to offer the college students in the session 2022-2023. The title of the course is 'C programming: Computing and Beyond' in the Department of Computer Science at our college. The objective of the course is to give thorough training on various concepts of C and provide exposure to its applications in different Mathematical computations and real-life scenarios. I request that you please kindly sanction the mentioned course.

Date: 16.02.23

Place: PKMV  
Yours sincerely,

  
HOD,  
Computer Science

Enclosure: (1) Proposal  
(2) Curriculum of the course



# **PANCHAKOT MAHAVIDYALAYA**

## **SARBARI, NETURIA, PURULIA**

Affiliated to Sidho Kanho Birsha University, Purulia

### **Proposal for conducting Short Term Certificate Courses** **Session: (2022-2023)**

#### **1. Details of the applicant department:**

- I. Name of the college: Panchakot Mahavidyalaya,
- II. Address of the college: Sarbari, PO: Neturia, District: Purulia, Pin: 723121
- III. Name of the applicant department: Computer Science

#### **2. Details of the course proposed:**

- I. Name of the course: C programming: Computing and Beyond
- II. Target participants: Undergraduate students from any stream
- III. Duration of the course: 32 hrs.
- IV. Medium of instruction: English

#### **3. Details of the faculty:**

- I. Whether the college provides degree related to the proposed course: No
- II. Whether the course is prepared by experts from related field: yes (by departmental faculty)
- III. Information of course coordinator:


Name	Department	Qualification
Suman Kumar Chanda	Computer Science	M.C.A in Computer Science

#### **IV. Details of faculty members to be appointed for this course:**

Sr. No.	Name	Department	Qualification
1	Suman Kumar Chanda	Computer Science	M.C.A in Computer Science
2	Tanmoy Paul	Computer Science	M.Tech. in Computer Science

#### **4. Details of the infrastructure needed/available for this course:**

- I. Classroom: Available
- II. Books: Available in central library
- III. Computer facility: Computer lab and departmental computer facility

  
Signature of Course coordinator



# **PANCHAKOT MAHAVIDYALAYA**

## **SARBARI, NETURIA, PURULIA**

Affiliated to Sidho Kanho Birsha University, Purulia

### **Department of Computer Science**

#### **C programming: Computing and Beyond (2022-2023)**

**Duration: 32 hrs**

Module 1: Overview of Programming & Introduction to C, Data types, Variables, Constants, and formatting, (4 hrs.)

Module 2: Operators, Expressions, Assignments, Control statements, Console Input/Output, Lab Session, (4 hrs.)

Module 3: Arrays, Lab Session, (4 hrs.)

Module 4: Functions, Lab Session, (4 hrs.)

Module 5: Pointers, Lab Session, (4 hrs.)

Module 6: Structures and Unions, Lab Session, (4 hrs.)

Module 7: File Handling in C, The C Preprocessor, Lab Session, (4 hrs.)

Module 8: Applications of C Programming in Mathematical Computing, Lab Session, Real World Programming. (4 hrs.)

**Assessment:** Written Test and/or Viva-Voce



Signature  
Course Coordinator



# PANCHAKOT MAHAVIDYALAYA

## SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

### Department of Computer Science

C programming: Computing and Beyond

Session: (2022-2023)

**Course coordinator:** Suman Kumar Chanda, HOD, Computer Science

#### Details of the Course

**Course Objective:** This course is designed for those who are interested in learning the Programming & Introduction to C, Operators, Expressions, Assignments, Arrays, Lab Session, Functions, Lab Session, Pointers, Lab Session, Structures and Unions, Lab Session, File Handling in C, The C Preprocessor, Lab Session. The objective of the course is to give thorough training on various concepts of C


#### Schedule

Day	Hours	Timing/Duration	Resource Person	Venue	Topic
1	02	4:00-6:00 PM	Suman Kumar Chanda (SKC)	Dept of Comp. Sci.	Module 1
2	02	4:00-6:00 PM	Tanmoy Paul (TP)	Dept of Comp. Sci.	Module 1
3	02	4:00-6:00 PM	SKC	Dept of Comp. Sci.	Module 2
4	02	4:00-6:00 PM	TP	Dept of Comp. Sci.	Module 2
5	02	4:00-6:00 PM	SKC	Dept of Comp. Sci.	Module 3
6	02	4:00-6:00 PM	TP	Dept of Comp. Sci.	Module 3



				Sci.	
7	02	4:00-6:00 PM	SKC	Dept ofComp. Sci.	Module 4
8	02	4:00-6:00 PM	TP	Dept ofComp. Sci.	Module 4
9	02	4:00-6:00 PM	SKC	Dept ofComp. Sci.	Module 5
10	02	4:00-6:00 PM	TP	Dept ofComp. Sci.	Module 5
11	02	4:00-6:00 PM	SKC	Dept ofComp. Sci.	Module 6
12	02	4:00-6:00 PM	TP	Dept ofComp. Sci.	Module 6
13	02	4:00-6:00 PM	SKC	Dept ofComp. Sci.	Module 7
14	02	4:00-6:00 PM	TP	Dept ofComp. Sci.	Module 7
15	02	4:00-6:00 PM	SKC	Dept ofComp. Sci.	Module 8
16	02	4:00-6:00 PM	TP	Dept ofComp. Sci.	Module 8

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

  
Signature  
Course Coordinator



# PANCHAKOT MAHAVIDYALAYA

## SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of Computer Science  
C programming: Computing and Beyond

Session: (2022-2023)

Ref No:

Date: 23/02/2023

### Notice

This is to notify that the Department of Computer Science, Panchakot Mahavidyalaya is going to conduct an Add On/Certificate courses under the title as stated above. The course will be conducted from 03/03/2023 to 31/03/2023 in offline mode.

Interested students are requested to contact the concerned teacher(s) of the department/course coordinator for further course details (such as course duration, schedule, module etc.) as well as enrollment in the course.

Information brochures and course details are also available on the college website.

*Suman Kumar Choudhary*

HOD, Department of

Computer SciencePrincipal,

*Sole*

Principal

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Panchakot Mahavidyalaya

Sarbari, Neturia, Purulia



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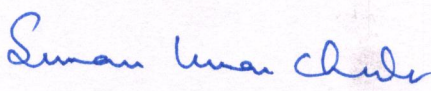
Department of Computer Science

Certificate Course Name C programming : Computing & Beyond  
Session: (2022-2023..)

## List of Enrolled Students

Sr. No.	Students Name	Roll Number	Seme ster	Student Signature
1	AMAN DUSADH	220001615	2	Aman Dusadh
2	RAMANANDA BAURI	220001700	2	Ramananda Bauri
3	SACHIN GORAI	220000426	2	Sachin Gorai
4	SUJAL RAJAK	220000608	2	Sujal Rajak
5	MRITUNJOY BAURI	220000915	2	Mritunjoy Bauri
6	BUBAI BAURI	220001014	2	Bubai Bauri
7	MONISHA TUDU	210000807	4	Monisha Tudu
8	PIOUSH CHAKRABORTY	210000577	4	Piush Chakraborty

  
Principal  
PANCHAKOT MAHAVIDYALAYA  
Sarbari • Neturia • Purulia

  
Signature  
Course Coordinator



**PANCHAKOT MAHAVIDYALAYA**  
**SARBARI, NETURIA, PURULIA**

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Department of ...Computer Science

Certificate Course : ...C...programming : Computing and Beyond.....

Session: (20.22.....-20.23.....)

**Attendance Sheet**

Sr. No.	Name of Student	Day and Month															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	AMAN DUSADH	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P
2	RAMANTANDA BAURI	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P
3	SACHIN GORAI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	SUJAL RAJAK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	.	P
5	MRITUNJOY BAURI	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P
6	BUBAI BAURI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	MONISHA TUDU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	PIJUSH CHAKRABORTY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

*Sd/-*  
Principal  
**PANCHAKOT MAHAVIDYALAYA**  
Sarbari-Neturia-Purulia

*Suman Kumar Choudhary*  
Course Coordinator



# PANCHAKOT MAHAVIDYALAYA

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Department of Computer Science

Certificate Course:


C programming: Computing and Beyond

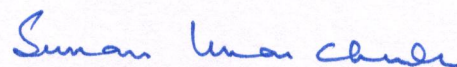
Session: (20.22.-20.23.)

## Result

Full Marks:

Sr. No.	Name of Student	Marks Obtained
1	AMAN DUSADH	B
2	RAMANANDA BAURI	A
3	SACHIN GORAI	A
4	SUJAL RAJAK	A
5	MRITUNJOY BAURI	A
6	BUBAI BAURI	A
7	MONISHA TUDU	A
8	PIJUSH CHAKRABORTY	B

  
Principal  
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Signature  
Course Coordinator





Affiliated to Sidho Kanho Birsha University, Purulia  
**PANCHAKOT MAHAVIDYALAYA**  
**SARBARI, NETURIA, PURULIA**  
Add On/ Certificate Course

Organized by: Department of Computer Science

## **CERTIFICATE OF COMPLETION**

Session: (2022-2023..)

This is to certify that Mr./Ms AMAN DUSADH.....  
of Hindi (Hons.)..... Department has successfully completed Add

On/Certificate course entitled:

C Programming : Computing and Beyond.....  
for session 2022-2023.....

Suman kumar choudhary  
Course Coordinator

Suman kumar choudhary  
HOD (Organizing Dept)

Self  
Principal

Principal  
**PANCHAKOT MAHAVIDYALAYA**  
Sarbari, Neturia, Purulia