Report

On

Add-On Course on

C programming: Mathematical Computing and Beyond

Offered by
Department of Mathematics

2021 – 22

Ref.:_____   Date: _____

DECLARATION FROM THE PRINCIPAL

This is to certify that all the data provided in this document is true to the best of my knowledge.

C PROGRAMMING:

MATHEMATICAL COMPUTING & BEYOND

ADD ON 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: 30 hours

Mode Of delivery & Timings: Lectures (Online, in the evening) & Hands on (in the Lab)

Eligibility: 10+2 (with Mathematics as a subject)

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

Course fee: Rs. 300/-

Number of seats: 25

Contact for information and registration: courses.maths.rpmc@gmail.com

IQAC Resolution

RAJA PEARY MOHAN COLLEGE
রাজা প্যারীমোহন কলেজ

1, ACHARYA DHRUBA PAL ROAD, UTTARPARA, HOOGHLY, WEST BENGAL, PIN - 712 258
Tel No. : 033-2663-0191 & 7074292263
E-mail : rajapearymohancollege@gmail.com   Website : www.rpmcollege.edu.in
১, আচার্য্য ধ্রুব পাল রোড উত্তরপাড়া, হুগলী, পশ্চিমবঙ্গ, পিন - ৭১২২৫৮,
দূরভাষ ঃ ০৩৩-২৬৬৩-০১৯১ & ৭০৭৪২৯২২৬৩
NAAC Accreditated with B grade (2.7); *ISO 9001 : 2015*

Ref. No. /সূচক সংখ্যা _____   Date /তারিখ 14. 01. 22

Extract of the Proceedings of the meeting of the IQAC of Raja Peary Mohan College, Uttrapra, Hooghly, held on 03.01.2022 on the MS Teams portal

Resolved that the following Add on & Certificate Course will start from even semester 2021-2022.
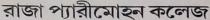
New courses to be introduced

1. Certificate Course on Accounting Software and e-Filling of IT Return
2. Computer Foundation for Professional Advancement
3. Communicative and Interactive Business English (CIBE)
4. Library Resource Management
5. CERTIFICATE COURSE: C PROGRAMMING: MATHEMATICAL COMPUTING & BEYOND
6. Essential laboratory skills for undergraduate Physiology students
7. Ten Day's (30 hrs) Spoken Sanskrit Course
8. Beauty Care and Artistry Makeup
9. Add on Course on "Women in different Paradigm"
10. Certificate Course on Teachers training course
11. Add on course on Content Writing

Sanjukti Bhattacharyya.
Coordinator, IQAC
Raja Peary Mohan College
Uttarpara, Hooghly
Coordinator,
Internal Quality Assurance Cell
Raja Peary Mohan College
Uttarpara, Hooghly

Principal
Raja Peary Mohan College
Uttarpara, Hooghly
PRINCIPAL
Raja Peary Mohan College
Uttarpara, Hooghly

RAJA PEARY MOHAN COLLEGE
রাজা প্যারীমোহন কলেজ

1, ACHARYA DHRUBA PAL ROAD, UTTARPARA, HOOGHLY, WEST BENGAL, PIN - 712 258
Tel No. : 033-2663-0881/2663-0191, Fax No. : 033-2663-4155
E-mail : rajapearymohancollege@gmail.com   Website : www.rpmcollege.org.in
১, আচার্য্য ধ্রুব পাল রোড উত্তরপাড়া, হুগলী, পশ্চিমবঙ্গ, পিন – ৭১২২৫৮,
দূরভাষ ঃ ০৩৩-২৬৬৩-০৮৮১/২৬৬৩-০১৯১, ফ্যাক্স ঃ ০৩৩-২৬৬৩-৪১৫৫

Ref. No. /সূচক সংখ্যা _____   Date /তারিখ __11.03.22__

NOTICE

It is hereby notified for all concerned that the Course conducted by Department

of Mathematics on **"C Programming: Mathematical Computing & Beyond"**

will commence from 1st April, 2022. Interested students may enroll their name to

the course coordinator.

Course Coordinator

Principal

PRINCIPAL
Raja Peary Mohan College
Uttarpara, Hooghly

RAJA PEARY MOHAN COLLEGE
DEPARTMENT OF MATHEMATICS

DATE: 25thMarch, 2022

NOTICE

It is notified for all concerned that the course on **C Programming: Mathematical Computing & Beyond** will commence on and from1st April via online mode (in Google meet platform). The joining link for the inaugural session will be shared later. The schedule of hands-on practical classes will be intimated in the theory classes.

Head
Department of Mathematics

HEAD
Department of Mathematics
Raja Peary Mohan College
Uttarpara, Hooghly

C Programming: Mathematical Computing & Beyond
ADD ON COURSE 2022
Department of Mathematics
Attendance Sheet
Class Duration - 1 Hour

Student Id	Name	Date 01.04 S.R.	Date 05.04 D.M.	Date 07.04 T.C.	Date 09.04 S.R.	Date 09.04 S.R.	Date 11.04 S.P.
BSc/19/305	ANUSHA MONDAL	P	P	.	P	P	P
BSc/19/097	RITU DAS	P	P	P	.	P	P
BSc/19/093	RIA DAS	P	.	P	P	P	P
BSc/21/089	ANANNYA MONDAL	P	.	P	P	P	P
BSc/21/158	RAHUL PAL	P	P	.	P	P	P
BSc/21/246	SHREYA ACHARYYA	.	P	P	P	P	P
BSc/21/199	PRIYANKA CHAKRABORTY	P	.	P	P	P	P
BSc/21/098	TRISHITA DAS	P	P	P	P	.	P
BSc/19/256	SWETA DAS	P	P	P	P	P	.
BSc/19/301	AKASH PAL	.	P	P	P	P	P
BSc/19/010	SUTAPA KARMAKAR	P	P	P	P	.	P
BSc/19/241	SUCHISMITA PATRA	P	P	P	P	P	.
BSc/19/149	ARGHA GHOSH	P	P	P	.	P	P
BSc/19/024	RAHUL MONDAL	P	P	.	P	P	P
BSc/19/316	SUBHRANGSU NANDI	P	P	P	P	P	.
BSc/19/091	ANKUSH GHOSH	P	P	P	P	.	P

[Course Coordinator]

[Principal]

C Programming: Mathematical Computing & Beyond
ADD ON COURSE 2022
Department of Mathematics
Attendance Sheet
Class Duration - 1 Hour

Student Id	Name	Date 13.04 D.M.	Date 16.04 D.M.	Date 16.04 T.C.	Date 19.04 T.C.	Date 21.04 T.C.	Date 23.04 D.M.
BSc/19/305	ANUSHA MONDAL	P	.	P	P	P	P
BSc/19/097	RITU DAS	P	P	.	P	P	P
BSc/19/093	RIA DAS	P	P	P	P	.	P
BSc/21/089	ANANNYA MONDAL	.	P	P	P	P	P
BSc/21/158	RAHUL PAL	P	P	P	.	P	P
BSc/21/246	SHREYA ACHARYYA	P	P	P	P	P	.
BSc/21/199	PRIYANKA CHAKRABORTY	P	.	P	P	P	P
BSc/21/098	TRISHITA DAS	P	P	.	P	P	P
BSc/19/256	SWETA DAS	P	P	P	.	P	P
BSc/19/301	AKASH PAL	P	P	P	P	P	.
BSc/19/010	SUTAPA KARMAKAR	P	P	P	P	.	P
BSc/19/241	SUCHISMITA PATRA	.	P	P	P	P	P
BSc/19/149	ARGHA GHOSH	P	.	P	P	P	P
BSc/19/024	RAHUL MONDAL	P	P	.	P	P	P
BSc/19/316	SUBHRANGSU NANDI	P	P	P	P	.	P
BSc/19/091	ANKUSH GHOSH	P	P	P	P	P	.

[Course Coordinator]

[Principal]

C Programming: Mathematical Computing & Beyond
ADD ON COURSE 2022
Department of Mathematics
Attendance Sheet
Class Duration - 1 Hour

Student Id	Name	Date 23.04 D.M.	Date 26.04 S.B.	Date 28.04 S.B.	Date 30.04 D.K.H	Date 30.04 D.K.H	Date 02.05 S.R.
BSc/19/305	ANUSHA MONDAL	P	.	P	P	P	P
BSc/19/097	RITU DAS	P	P	P	.	P	P
BSc/19/093	RIA DAS	.	P	P	P	P	P
BSc/21/089	ANANNYA MONDAL	P	P	.	P	P	P
BSc/21/158	RAHUL PAL	P	P	P	P	.	P
BSc/21/246	SHREYA ACHARYYA	P	P	P	P	P	.
BSc/21/199	PRIYANKA CHAKRABORTY	.	P	P	P	P	P
BSc/21/098	TRISHITA DAS	P	P	.	P	P	P
BSc/19/256	SWETA DAS	P	.	P	P	P	P
BSc/19/301	AKASH PAL	P	P	P	.	P	P
BSc/19/010	SUTAPA KARMAKAR	P	P	P	P	.	P
BSc/19/241	SUCHISMITA PATRA	P	P	P	P	P	.
BSc/19/149	ARGHA GHOSH	.	P	P	P	P	P
BSc/19/024	RAHUL MONDAL	P	.	P	P	P	P
BSc/19/316	SUBHRANGSU NANDI	P	P	P	.	P	P
BSc/19/091	ANKUSH GHOSH	P	P	P	P	P	.

[Course Coordinator]

[Principal]

C Programming: Mathematical Computing & Beyond
ADD ON COURSE 2022
Department of Mathematics
Attendance Sheet
Class Duration - 1 Hour

Student Id	Name	Date 05.05 SR.	Date 07.05 DK·H	Date 07.05 D·K·H	Date 10.05 S.R.	Date 12.05 S·R.	Date 14.05 SB.
BSc/19/305	ANUSHA MONDAL	P	.	P	P	P	P
BSc/19/097	RITU DAS	.	P	P	P	P	P
BSc/19/093	RIA DAS	P	P	P	.	P	P
BSc/21/089	ANANNYA MONDAL	P	P	P	P	P	.
BSc/21/158	RAHUL PAL	P	P	P	P	.	P
BSc/21/246	SHREYA ACHARYYA	P	P	.	P	P	P
BSc/21/199	PRIYANKA CHAKRABORTY	.	P	P	P	P	P
BSc/21/098	TRISHITA DAS	P	.	P	P	P	P
BSc/19/256	SWETA DAS	P	P	.	P	P	P
BSc/19/301	AKASH PAL	P	P	P	.	P	P
BSc/19/010	SUTAPA KARMAKAR	P	P	P	P	.	P
BSc/19/241	SUCHISMITA PATRA	P	P	P	P	P	.
BSc/19/149	ARGHA GHOSH	P	.	P	P	P	P
BSc/19/024	RAHUL MONDAL	P	P	.	P	P	P
BSc/19/316	SUBHRANGSU NANDI	P	P	P	P	P	.
BSc/19/091	ANKUSH GHOSH	P	P	P	P	.	P

[Course Coordinator]

[Principal]

C Programming: Mathematical Computing & Beyond
ADD ON COURSE 2022
Department of Mathematics
Attendance Sheet
Class Duration - 1 Hour

Student Id	Name	Date 14.05 22.	Date 17.05 B.M.	Date 19.05 B.M.	Date 21.05 S.R.	Date 24.05 3.6	Date 28.05 S.L.P
BSc/19/305	ANUSHA MONDAL	P	P	P	P	.	P
BSc/19/097	RITU DAS	P	P	P	P	P	P
BSc/19/093	RIA DAS	P	P	P	P	P	P
BSc/21/089	ANANNYA MONDAL	P	P	.	.	P	P
BSc/21/158	RAHUL PAL	P	P	P	P	P	P
BSc/21/246	SHREYA ACHARYYA	.	P	P	.	P	P
BSc/21/199	PRIYANKA CHAKRABORTY	P	P	P	P	.	P
BSc/21/098	TRISHITA DAS	P	.	P	P	P	P
BSc/19/256	SWETA DAS	P	.	P	P	.	P
BSc/19/301	AKASH PAL	P	P	.	P	P	P
BSc/19/010	SUTAPA KARMAKAR	.	P	P	P	P	P
BSc/19/241	SUCHISMITA PATRA	P	.	P	P	P	P
BSc/19/149	ARGHA GHOSH	P	P	.	P	P	P
BSc/19/024	RAHUL MONDAL	.	P	P	.	P	P
BSc/19/316	SUBHRANGSU NANDI	P	P	.	.	P	P
BSc/19/091	ANKUSH GHOSH	P	P	.	P	P	P

[Course Coordinator]

[Principal]

C PROGRAMMING: MATHEMATICAL COMPUTING & BEYOND~2022

CERTIFICATE DISTRIBUTION LIST

SL NO.	NAME	ROLL NUMBER	SIGNATURE WITH DATE
1	ANUSHA MONDAL	B.Sc/19/0305	Anusha Mondal. 22/08/22
2	RITU DAS	B.Sc/19/0097	Ritu Das. 31/05/2022
3	RIA DAS	B.Sc/19/0093	Ria Das 31/05/2022
4	ANANNYA MONDAL	B.Sc/21/0089	Anannya Mondal. 31/05/2022
5	RAHUL PAL	B.Sc/21/0158	Rahul Pal 31/05/2022
6	SHREYA ACHARYYA	B.Sc/21/0246	Shreya Acharyya 31/05/2022
7	PRIYANKA CHAKRABORTY	B.Sc/21/0199	Priyanka Chakraborty 31.5.22
8	TRISHITA DAS	B.Sc/21/0098	Trishita Das 31/05/2022
9	SWETA MALLICK	B.Sc/19/0256	Sweta Mallick 31/05/2022
10	AKASH PAL	B.Sc/19/0301	AKash Pal 31/05/2022
11	SUTAPA KARMAKAR	B.Sc/19/0010	Sutapa Karmakar 31/05/2022
12	SUCHISMITA PATRA	B.Sc/19/0241	Suchismita Patra 31/5/22
13	ARGHA GHOSH	B.Sc/19/0149	Argha Ghosh 31.05.22
14	RAHUL MONDAL	B.Sc/19/0024	Rahul Mondal. 31/05/2022
15	SUBHRANGSU NANDI	B.Sc/19/0316	Subhrangsu Nandi 31.05.22
16	ANKUSH GHOSH	B.SC/19/0091	Ankush Ghosh.

[COURSE COORDINATOR]

[PRINCIPAL]

RAJA PEARY MOHAN COLLEGE
Department of Mathematics

Certificate
OF APPRECIATION

This is to certify that

RITU DAS

of Raja Peary Mohan College
has successfully completed certificate course on
C PROGRAMMING: MATHEMATICAL COMPUTING & BEYOND
with a score of

87 (out of 100)

31.05.22
Date

Head
Department of Mathematics

Principal
Raja Peary Mohan College, Uttarpara

C Programming: Mathematical Computing and Beyond

ADD ON COURSE 2022

Department of Mathematics

LECTURE AND LAB SCHEDULE

TOPIC	SPEAKER/TRAINER	NO. OF LECTURES/ HANDS ON SESSION (IN HOURS)
Overview of Programming&Introduction to C	S Roy	01
Data types, Variables, Constants, and formatting	D Mandal	01
Operators, Expressions, Assignments	T Choudhury	01
Control statements	S Roy	02
Console Input/Output	S Banerjee	01
Lab Session	D Mandal	02
Arrays	T Choudhury	01
Lab Session	T Choudhury	02
Functions	D Mandal	02
Lab Session	S Banerjee	02
Pointers	External Expert	02
Lab Session	S Roy	02
Structures and Unions	External Expert	02
Lab Session	S Roy	02
File Handling in C	S Banerjee	01
The C Preprocessor	T Choudhury	01
Lab Session	D Mandal	02
Applications of C Programming in Mathematical Computing	S Roy	01
Lab Session	S Banerjee	01
Real World Programming	External Expert	01

C Programming: Mathematical Computing and Beyond

ADD ON COURSE 2022

Department of Mathematics

A Brief Report of The Course

In current day scenario to get a competitive edge it is almost mandatory for students to acquire knowledge on various subjects other than the usual syllabus-oriented topics. To facilitate that to the students the department felt the necessity of introducing a hands-on training program on *C Programming: Mathematical Computing and Beyond* ". The course was offered to pupils studying in honours course. Apart from the departmental teachers Mr. Dhiraj Kumar Halder, an employee of IBM, USA was involved in the teaching programming. The course was of thirty hours duration (from 1st April, 2022—28th May, 2022) and delivered in blended mode (theory lectures on online platform and hands on training in the departmental lab). The convocation ceremony took place on 31st May, 2022.

LAB CLASSES AND CONVOCATION