



NETAJI SUBHAS OPEN UNIVERSITY

Center for Propagation of Scientific Knowledge

SCHOOL OF SCIENCES



H.Q.: DD-26, Salt Lake, Sector-I, Kolkata – 700 064

Established By Act (W.B. Act (XIX) of 1997 and Recognized by U.G.C., RCI, AICTE)

Memo no: SoSci/2598(ii)

Date: 27/01/2023

Admission Notice

Applications are invited for the short-term course organized by the Center for Propagation of Scientific Knowledge (CPSK) under the aegis of School of Sciences, NSOU as per following details.

Name of the Programme	Duration	Eligibility	Course Fees (INR)	Mode
<i>C Programming and Its Application in Mathematical Problem Solving</i>	8 Weeks	Anyone who has interest in programming and mathematics or pursuing graduation/post-graduation with a paper in programming or numerical analysis	500/- + Examination fee(Optional)	Online

Admission link will be available at the University website (www.wbnsou.ac.in) and Centre website (<https://sites.google.com/view/nsou-sci-cpsk>). Applicants are required to fill in online admission form and necessary fees available in the link provided in the course banner. More than 40 recorded video lectures (30 minutes) will be shared and 16 live online classes (1 hour) will be organized in online. Adequate exposure will be provided on hands-on-exercises.

- Admission opens: 28th January, 2023
- Last date of application: 19th February, 2023 (Midnight).
- Admission details: Refer the course brochure.
- Admission form link: <https://ums.nsouict.ac.in/Admission/Forms>
- Course Introduction: <https://youtu.be/21cVE-Bbr3U>
- Course website: <https://sites.google.com/view/nsou-sci-cpsk/courses>



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- **Course Fees:** Rs. 500+GST will be remitted Online through NEFT/Debit/Credit Card using the link provided in the course brochure. The examination fee is optional. The learner needs to pay the examination fees if they want to appear in the examination at the end of the course. After submitting the application form along with the admission fees, learners will be sent confirmation of their participation and fee remittance receipt through email by 23rd February 2023. Fees once paid cannot be refunded.
- **Duration:** 27th February – 23rd April, 2023. The date and time of orientation/inauguration will be communicated through the email to the participants.
- **Certificate:** Certificate will be issued subject to fulfillment of all activities.
- **Contact:** stcp.cpsk@gmail.com or 9836060667(Mobile)

Prof. (Dr.) Kajal De
Director, School of Sciences
Coordinator- CPSK

Shri Mrinal Nath
Asst. Professor of Comp. Sc.
Course Coordinator

- Copy to: 1. The Registrar, NSOU
2. ITO, NSOU for website upload
3. The E.S. to V.C. for information

SALIENT FEATURES

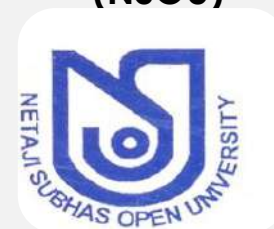
- 01 Online & Self-Paced
- 02 Duration : 8 Weeks
- 03 Blended MOOCs
- 04 Recorded & Live Sessions
- 05 Weekly Assignments & Quiz
- 06 Adequate Exposure to Hands-on-Programming.
- 07 Completion Certificate

**CENTRE FOR PROPAGATION
OF SCIENTIFIC KNOWLEDGE
(CPSK)**

**SHORT-TERM COURSE
TOPIC**

C Programming and Its
Application in Mathematical
Problem Solving

**NETAJI SUBHAS OPEN
UNIVERSITY
(NSOU)**



**COURSE
BROCHURE**

Centre for Propagation of Scientific Knowledge (CPSK), NSOU:

The Centre for Propagation of Scientific Knowledge organizes different Educational Programmes in the frontier areas of Science, and Technology to disseminate scientific knowledge by stimulating and supporting scientific interactions and communications between the faculties and different interested stakeholders under the aegis of School of Sciences, NSOU.

About Netaji Subhas Open University (NSOU):

Netaji Subhas Open University is the only open university (grade A by NAAC) in west Bengal, delivers to build up the quality human resource base of the State and moves towards the improvement of the quality of open distance education,

Key Highlights of the Course:

- The course will be delivered in online mode through the learning management system(LMS) of NSOU..
- 7-8 recorded lectures of duration 20 – 30 minutes in every week.
- The recorded lectures can be accessible 24x7 during the course period.
- Two online live sessions(1 hour) will be conducted in every week for doubt clearance.
- The live session will begin in evening time (Preferably between 7 pm – 9pm).
- Study materials for every week will be shared at the end of that week.
- Weekly assignments and quiz (Subject to payment of examination fee)
- The learners will be awarded certificate at the end of the course.
- No additional cost for software as the course will use only open source technology and free cloud computing environment for practical hands-on.

For any query regarding this short term course, please contact the Coordinator.

Mrinal Nath

Assistant Professor of Computer Science

Email: stcp.cpsk@gmail.com

Ph No: 9836060667

ONLINE SHORT-TERM COURSE ON

“C Programming & its Application in Mathematical Problem Solving”

27th February – 23rd April, 2023

Call for Registration and Participation

Course Coordinator

Mrinal Nath

Assistant Professor of Computer Science
School of Sciences, NSOU

Course Advisor

Dr. Kajal De

Director, School of Sciences, NSOU
Professor and Head, Mathematics Dept.

Organized by

Centre for Propagation of Scientific Knowledge(CPSK)



Overview of the short term course:

This Course is developed based on the syllabus of the paper C programming and numerical analysis taught in undergraduate level in any university in India.

Objective:

- Learners will understand the modern computing tools/techniques.
- The course will motivate the learners to study mathematical phenomenon by visualizing through data and program.
- Learners will understand how mathematical logic can solve real life problems using the computer programming.
- Learners will be more equipped with new skillset which is essential for their future employment

Course Content:

W1	•Introduction to Problem Solving Techniques
W2	•Fundamental of C
W3	•Operators, Expressions • select statements
W4	•select, iterative and jump statements
W5	•Function •Solving non-linear equation using C
W6	•Riemann Integration using C •Array
W7	•Solving System of Linear Equation using C
W8	•Numerical Integration using C

Resource Persons:

Mrinal Nath

Assistant Prof. of Comp Sc., NSOU
M.C.A. (JU), NET(CS), GATE(CS)
7 Years of teaching exp. in UG and PG Level
10 Years of industrial exp. of handling large data and complex programming problems in MNCs.

Dr. Soumen Nandi

Associate Prof. of Comp. Sc., NSOU
M.Sc., M.C.A., M.Tech, Ph.D.(ISI)
15 Years of teaching exp. in UG and PG Level
10 Years of research exp. in theoretical computer science.

Benefits:

- Learner will get course participation certificate if they attend all live sessions and completes 80% of all assignments.
- Learners will get course completion certificate from NSOU if they attend all live sessions, completes 80% of all assignments and score minimum 50% marks in assignments, and final exam together.

Registration is open for:

- Students pursuing B.Sc./M.Sc./B.Tech having computer programming and/or numerical analysis.
- Any other person who wants to learn computer programming from scratch.
- Any programmer who wants to learn mathematical concepts essential for numerical analysis.

Registration Fee:

Course Fee: Payable at the time of Admission.	Rs. 500+GST
Exam Fee (Optional): Payable before the final Examination.	Rs. 300

Please Note: Learners need not pay the examination fee if they don't want to attend the final examination at the end of the course.

How to apply:

Eligible candidates may apply for admission to the course using following link before 19th February 2023.

<https://ums.nsouict.ac.in/Admission/Forms>

The registration fee may be remitted Online through NEFT/Debit/Credit Card using the above link.

**Last Date for Admission:
19th February 2023**

Confirmation on Participation:

After submitting the application form along with the admission fees, learners will be sent confirmation of their participation and fee remittance receipt through email by 23rd February 2023. Candidates are advised to register early to avoid disappointment.