



# **CS10003:** **Programming & Data Structures**

**Dept. of Computer Science & Engineering**  
**Indian Institute of Technology Kharagpur**

*Autumn 2020*

# Course Materials

- Course Website:

<http://cse.iitkgp.ac.in/~aritrah/course/theory/PDS/Autumn2020/>

- More materials available at <http://cse.iitkgp.ac.in/~pds>

## Books:

1. Brian W. Kernighan and Dennis M. Ritchie, The C Programming Language, Prentice Hall of India.
2. E. Balaguruswamy, Programming in ANSI C, Tata McGraw-Hill.
3. Byron Gottfried, Schaum's Outline of Programming with C, McGraw-Hill.
4. Seymour Lipschutz, Data Structures, Schaum's Outlines Series, Tata McGraw-Hill.
5. Ellis Horowitz, Satraj Sahni and Susan Anderson-Freed, Fundamentals of Data Structures in C, W. H. Freeman and Co.
6. R. G. Dromey, How to Solve it by Computer, Prentice-Hall of India.

# Know Sections, Timings & Teachers

- **Section-11 + Section-12** : Mon (15:00-17:00) + Tue (15:00-16:00)
  - Doubt-clearance Live Session: **Monday** Slots
  - Teacher: **Prof. Debdeep Mukhopadhyay (DM)**, Dept. of CSE
- **Section-13 + Section-14** : Mon (15:00-17:00) + Tue (15:00-16:00)
  - Doubt-clearance Live Session: **Monday** Slots
  - Teacher: **Prof. Pralay Mitra (PrM)**, Dept. of CSE
- **Section-15 + Section-16** : Mon (15:00-17:00) + Tue (15:00-16:00)
  - Doubt-clearance Live Session: **Monday** Slots
  - Teacher: **Prof. Swagato Sanyal (SwS)**, Dept. of CSE
- **Section-17 + Section-18** : Wed (10:00-11:00) + Thu (09:00-10:00) + Fri (11:00-12:00)
  - Doubt-clearance Live Session: **Thursday** Slots
  - Teacher: **Prof. Aritra Hazra (AH)**, Dept. of CSE
- **Section-19 + Section-20** : Wed (10:00-11:00) + Thu (09:00-10:00) + Fri (11:00-12:00)
  - Doubt-clearance Live Session: **Thursday** Slots
  - Teacher: **Prof. Soumyajit Dey (SD)**, Dept. of CSE

# Course Operation and Modality

- **Online Lectures** : Youtube Videos
  - Every Saturday (weekend) uploaded for forthcoming week.
  - Course Webpage will provide links
- **Live Sessions** : Microsoft Teams
  - Each student must join through their Section's Team Meeting link.
  - Meeting details will be informed (emailed) to students in due time by the respective instructors.
- **Doubt Clearance** : Google Forms
  - For every week, course webpage will provide links to forms.
  - Fill that up and submit, if you have doubts, comments, suggestions.
  - Teachers will address the queries
- **Examinations / Tests** : Google-Form
  - Examination will be conducted through Google-Form.
  - Course Webpage will have notifications

# Examinations Dates and Evaluations

- **3 Short Tests (20 marks each, max. 30 mins)**
  - Short Test 1 : Dec 23, 2020 (Wed), 7:00PM
  - Short Test 2 : Jan 20, 2020 (Wed), 7:00PM
  - Short Test 3 : Feb 17, 2020 (Wed), 7:00PM
- **3 Long Tests (40 marks each, max. 60 mins)**
  - Long Test 1 : Dec 30, 2020 (Wed), 7:00PM
  - Long Test 2 : Jan 27, 2020 (Wed), 7:00PM
  - Long Test 3 : Feb 24, 2020 (Wed), 7:00PM  
or Mar 03, 2020 (Wed), 7:00PM

## Note:

- Syllabus will be informed in due time.
- In case of changes in test dates, the exact dates will be announced in the live session and notified in webpage.

# Your Responsibility & Requirements

- Study the video lectures put up every week on regular basis.
- Attend and participate in every week's Live Sessions and Examinations as scheduled (mandatory).
- Check course webpage regularly to know updates and test announcements. Check emails / communications regularly.
- Section specific information will be communicated through email (recorded at your ERP). Kindly update your email address in ERP and check email regularly.
- Raise doubts in course materials in order to be solved / addressed. *Silence is considered as all things understood!*
- Have a steady internet connectivity and availability of suitable devices (PC, Mobile etc.) and softwares to take part in the class.

# Thank You!

**DM**



**PrM**



**SD**



**AH**



**SwS**