

NPTEL

NPTEL is an acronym for National Programme on Technology Enhanced Learning which is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science (IISc) for creating course contents in engineering and science. NPTEL provides E-learning through online Web and Video courses in Engineering, Science and Humanities streams.

- Courses Offered :
- https://swayam.gov.in/nc_details/NPTEL There are 4wk, 8wk set 1 and 2 as well as 12wk courses.

Course Enrollment

- Enrollment to Courses is FREE.
- <https://onlinecourses.nptel.ac.in/>
- Enrollment to courses and exam registration can be done in ONLINE mode only. The link is available on NPTEL website (<http://nptel.ac.in/>).
- One may enroll in as many courses as they like.

Certification Exam

- Exam Dates - **March 26, 2023 and April 29/30, 2023**. Please login to the exam registration form to check the exam dates available in your exam city.
- For course specific exam dates, please check our [Course List Here](#).
- NPTEL Certification exams will be held during the forenoon and afternoon sessions on these dates.
- The entire process of filling up the application form and uploading of certificates/documents, etc. is in online mode only. The candidates should not send any hard copy of his/her application form/documents etc. to the NPTEL office.
- The payment of exam registration fees is through electronic mode.

Course List

- Around **660+ courses** are available for the **Jan - April 2023** semester.
- [Course List](#)
- You can take **2 exams** on each day.
- Exams can be written in either or both shifts (9am to 12pm; 2pm to 5pm) on all these exam dates.
- **Candidates should use the same email id throughout the course run; for enrolling to course(s) and for registering for the exam(s).**
- **Assignments submitted using any other email id will not be taken into consideration towards final consolidated score & certification.**
- **The responsibility of the email id being valid till the course run is over lies with the candidates.**
- **Exam registration will be cancelled if the candidate does not upload a photo matching the given specifications.**
- **In such cases where the candidate's exam is cancelled, exam fee will not be refunded.**

Jan to April 2023 Semester Timelines and Guidelines for all candidates

- Semester enrollments and exam registrations are open now for January 2023.
- You may enroll in any number of NPTEL courses you wish.
- Please login to the exam registration form and select the exam date as per the availability in the exam city chosen by you. Only those exam cities which are mentioned in the exam registration form are available for this semester. You may choose which is most suitable to you.
- You can take one exam in the forenoon session and another during the afternoon session on the same day. You will be provided with different hall tickets for different sessions.
- You cannot take more than 2 exams a day. The exam date given in the exam registration form is based on the availability in that exam city.
- You need to have the same registered email ID for all courses to have two different sessions on the same day in the same exam centre. There is no option to select any particular session. NPTEL will allot the session (Forenoon / Afternoon) as per the availability and the sessions will not clash. You need to take the exam in the same session which is allotted to you which will be mentioned in the hall ticket. There is no option to take the exam in a different session.
- NPTEL certificate will be issued based on both assignment score, unproctored programming test (if its applicable for the courses) and final exam score meeting the eligibility criterion. Its the responsibility of the candidate to ensure that he has enough assignment & programming test scores to obtain a certificate if he/she expects a certificate after taking the exam.
- We request you to please check the calculation logic and the eligibility criteria mentioned in the course page & announcement page to get the e-certificate.
- It is the responsibility of the candidate to ensure that he/she will download the hall ticket at their end before the exam. We also suggest that you check your inbox and spam/junk boxes & promotion / social labels for emails.

A	B	C	D	E	F	G	H	I	J	K
Course Duration	Enrollment begins.	Enrollment ends.	Start, of course.	End of course	Exam Date	Exam registration - form open	Last date for filling exam registration form and pay exam fees - Exam fee - 1000 INR per exam.	Last date for filling exam registration form and pay exam fees- Exam late fee - 1500 INR per exam. No late Fee	Last Date for data changes	Last date for Exam Cancellation & to take refund
4 weeks - set 1	Nov 14, 2022	Jan 30, 2023, 5:00 PM	Jan 23, 2023	Feb 17, 2023	Mar 26, 2023	Dec 16, 2022	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM
8 weeks - set 1	Nov 14, 2022	Jan 30, 2023, 5:00 PM	Jan 23, 2023	Mar 17, 2023	Mar 26, 2023	Dec 16, 2022	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM	Feb 17, 2023 5:00 PM
12 weeks	Nov 14, 2022	Jan 30, 2023, 5:00 PM	Jan 23, 2023	Apr 14, 2023	Apr 29/30, 2023	Dec 16, 2022	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM
4 weeks - set 2	Nov 14, 2022	Feb 20, 2023, 5:00 PM	Feb, 20 2023	Mar 17, 2023	Apr 29/30, 2023	Dec 16, 2022	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM
8 weeks - set 2	Nov 14, 2022	Feb 20, 2023, 5:00 PM	Feb, 20 2023	Apr 14, 2023	Apr 29/30, 2023	Dec 16, 2022	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM	Mar 17, 2023 5:00 PM

Exam fees - Sample calculations For all candidates

General	1000
SC/ST or PwD (50% exam fee waiver)	500
SC/ST AND PwD (50% waiver for SC/ST and 50% of that for PwD)	250

FDP Certificates for faculty

For FDP certificates (this applies only to those who register for exams with a Role mentioned as 'Faculty').

General + FDP certificate (for faculty alone)	1000+100
SC/ST + FDP certificate (for faculty alone)	500+100
SC/ST + PwD + FDP certificate (for faculty alone)	250+100

SPOC Dashboard

DASHBOARD

Courses

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Programming Assignments

Course Feedback

Course Staff

National Coordinator

Reports

Courses

Note:

1. The CSV data will be updated every Monday

2. To add Mentor for a course, click on the count shown under the column 'Faculty' or 'Employed'

Active Courses for Baderia Global Institute of Engineering and Management on this node (college)

Total registrations: 0. Total members: 0

Course ID	Course Name	NC Name	Students	Faculty	Employed	Others
/noc23_te07	New Spinning Technologies	NPTEL	0	0	0	0
/noc23_te06	Textile Product Design and Development	NPTEL	0	0	0	0
/noc23_te05	Textured Yarn Technology	NPTEL	0	0	0	0
/noc23_te04	Advanced Textile Printing Technology	NPTEL	0	0	0	0
/noc23_te03	Theory of Yarn Structure	NPTEL	0	0	0	0
/noc23_te02	Testing of Functional and Technical Textiles	NPTEL	0	0	0	0
/noc23_te01	Evaluation of Textiles Materials	NPTEL	0	0	0	0
/noc23_ph22	Introduction To Statistical Mechanics	NPTEL	0	0	0	0
/noc23_ph21	Nuclear Astrophysics	NPTEL	0	0	0	0
/noc23_ph20	Advanced Atmospheric Physics	NPTEL	0	0	0	0
/noc23_ph19	Physics of Linear And Nonlinear Optical Waveguides	NPTEL	0	0	0	0

saarabgintptel@gmail.com | Logout

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NPTEL » Software Testing
Announcements
About the Course
Ask a Question
Progress
Mentor
Review Assignment

Register for Certification exam

Course outline


How does an NPTEL online course work?


Week 0

Software Testing

ABOUT THE COURSE :
Over the years program several testing techniques have developed and tools have become available. Also, testing has been acknowledged as the primary technique for ensuring software reliability. The course would provide a brief introduction to test process and techniques available for black box and white box test case design. Integration, system and regression testing would also be discussed. A few of the test tools would be discussed and the participants would be encouraged to use.

INTENDED AUDIENCE : Elective Course, PG Course, M.Tech
PREREQUISITES : Basic Knowledge of Programming
INDUSTRY SUPPORT : All software development/testing companies





Prof. Rajib Mall
IIT Kharagpur

Rajib Mall is Professor, Department of Computer Science and Engineering, Indian Institute of Technology Kharagpur, West Bengal. He has more than a two decades of teaching experience in the areas of program analysis and testing. He has written five text books and over 150 refereed research papers.

Activate Windows
Go to Settings to activate Windows

Enrol yourself in the following courses

S.No.	Branch	Course	S.No.	Link
1.	EC	Optical Wireless Communications for Beyond 5G Networks and IoT	22	https://onlinecourses.nptel.ac.in/noc23_ee61
		Communication Network	45	https://onlinecourses.nptel.ac.in/noc23_ee73