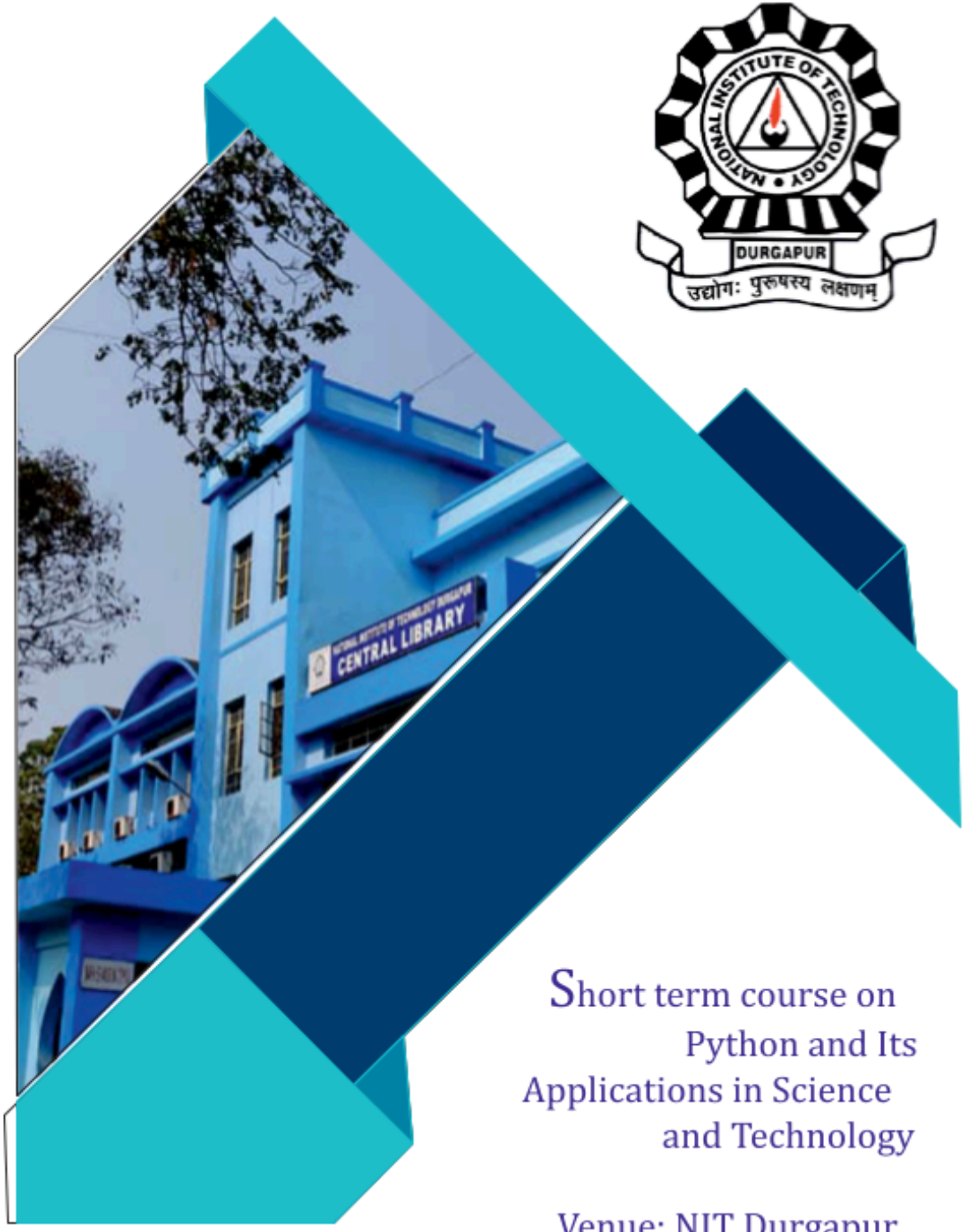

Short term course on
Python and Its
Applications in Science
and Technology

Venue: NIT Durgapur
Date: 23.06.2025 to 04.07.2025

REGISTRATION FORM

A Short Term Course on
"Python and Its Applications in Science and Technology"

Date: June 23 to July 04, 2025
Venue: Department of Computer Science and Engineering,
NIT Durgapur

Name (in block letters): ……

Name & Address of the Organization / University / Institute: ……..

……

E-mail…… Ph.....

Payment Transaction Id ……..…..…… Date……

Details of Course Fees:

Course fees per participant: Rs. 3000.00 (Rupees Three Thousand Only)

Details of the account are as follows:

Name of the Bank: STATE BANK OF INDIA
A/C Name: CEP NIT DURGAPUR
A/C No: 37850318679
IFS Code: SBIN0002108
Branch Name: R.E. COLLEGE (DURGAPUR)

Sign:.....

Date:.....

Note: Please send the completed Registration Form and the Payment Receipt to **stc.nitd2025@gmail.com**

Objectives:

The short-term course titled “Python and Its Applications in Science and Technology” is designed to introduce participants to the fundamentals of Python programming and its practical applications in various scientific and technological domains. With the growing importance of computational tools in research, engineering, and industry, Python has become one of the most widely adopted programming languages due to its simplicity, readability, and extensive library support.

This course aims to provide a strong foundation in Python, covering basic programming constructs such as data types, control structures, functions, and object-oriented programming. Moving beyond the basics, the course will focus on applying Python to solve real-world problems in areas such as data analysis, numerical computing, automation, and scientific visualization.

Course covers the areas:

Participants will gain hands-on experience with key Python libraries like NumPy, Pandas, Matplotlib, and SciPy. These tools are essential for performing tasks such as handling large datasets, plotting scientific graphs, and performing mathematical computations.

Who will be the beneficiaries:

Designed especially for undergraduate engineering students, research scholars, and young professionals, this course will help build essential computational skills required for academic projects, industrial internships, and future research work. Through interactive coding sessions, case studies, and mini-projects, learners will be encouraged to think critically and creatively.

By the end of the course, participants will be equipped to use Python not just as a programming language but as a versatile tool for scientific inquiry, technological development, and innovation. This course serves as a stepping stone for students to explore advanced computational domains and contribute meaningfully to the rapidly evolving world of science and technology.

Resource Persons:

Principal Coordinator: Prof. Debashis Nandi, NIT Durgapur

Co – coordinator: Dr. Narayan Murmu, NIT Durgapur

Co – coordinator: Dr. Mrinal Kanti Mandal, NIT Durgapur

Member: Dr. Nanda Dulal Jana, NIT Durgapur

Member: Mr. Rajib Kumar Chatterjee, NIT Durgapur

Lab. Demonstrators:

- ✔ Rohit Agarwal, Research Scholar, NIT Durgapur
- ✔ Abhishek Kumar Gunjan, Research Scholar, NIT Durgapur
- ✔ Subhayu Ghosh, Research Scholar, NIT Durgapur
- ✔ Brahmanand Dubey, Research Scholar, NIT Durgapur
- ✔ Aatreya Sengupta, Research Scholar, NIT Durgapur

Course Fees: Course fee per Participant is Rs. 3000/- (Rupees Three Thousand Only)

Course Fee includes Registration Kits, Course Materials.

Contact Person:
Dr. Narayan Murmu,
Department of Computer Science & Engineering, NIT Durgapur
E-Mail: narayan_juit@yahoo.com
Mobile: 9434788096