

Copies of the registration form can be made, if necessary. Please send the filled in form to the Coordinator on or before **10th July 2013**.

The details of the course & the form can also be downloaded from our institute website:

<http://www.nitrkl.ac.in>

CORRESPONDENCE

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Department of Computer Science & Engineering, NIT, Rourkela was established in 1982. Since its inception, the Department is under dynamic progress and is able to establish the reputation for imparting quality education both at undergraduate and graduate programmes. The department has well equipped modern laboratories such as Software Engineering, Information Security & Data Communication, Image Processing & Cluster Computing and Advanced Database Engineering Labs for pursuing research keeping in view of the technological advancement.



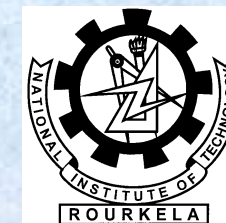
Short Term Course On Improving Programming Skills in Python

13th – 17th July 2013

Coordinators

Dr. Pabitra Mohan Khilar

Dr. Durga Prasad Mohapatra



Department of Computer Science &
Engineering

National Institute of Technology

Rourkela-769 008, Orissa

<http://www.nitrkl.ac.in>

About the Course

In order to develop the quality software for different applications, one needs to improve the programming skills in high level languages. Learning of one or more high level programming language is needed both for beginners and experts in academics as well as industry Python is one of the recent and important high level programming language for beginners as well as developers. The features such as modules, packages, extensive library and edit-test-debug cycle available in Python are needed for developing good quality software. The course would enable the participants to learn the skills necessary to develop small to large class assignments and projects. The course will help to provide foundation for rapid application development such as Web and Internet Development, Data base access, Desktop GUIs, Scientific and Numeric Computing, Education, Network Programming, Software Development, Game and 3D Graphics using Python.

Course Contents

- Introduction to Python
- Input/Output Statements
- Variables & Operators Binding
- Logical Statements
- Control Statements
- File Handling/Regular Expressions
- Environmental Variables and Security

- Systems Programming
- Multi-Threaded Programming
- Debugging and Interfacing
- Web Services
- Data Base Access
- GUIs
- 3D Graphics
- A Python Networking Client
- The Object Oriented Paradigm
- Modularity
- Pedagogical Methods for Python Learning

Resource Persons

The course will be offered by faculty members of NIT, Rourkela and experts from other institutions and industries.

Accommodation

Suitable accommodation will be provided to outstation candidates on paid basis in the guest house on prior request.

Registration & Fee Particulars

Applications in prescribed format must reach the coordinator through proper channel on or before **10th July 2013**. Working professionals from industries/academics and students are eligible to attend the course. No TA/DA will be provided.

Industry professionals – Rs. 7000/-
Academicians – Rs. 5000/-
Students - Rs. 4000/-

Payment should be made using DD in favor of “Continuing Education, NIT Rourkela”

Short Term Course

On

Improving Programming Skills in Python

13th - 17th July 2013

Registration Form

1. Name:
 2. Designation:
 3. Address:.....
.....
.....
Phone: Mob:.....
E-Mail:
 4. Date of Birth:
 5. Gender: Male / Female
 6. Qualification:
 7. Years of Experience:
 8. Programming Languages
Known:.....
 9. Specializations if any:
 10. Accommodation Required: YES/NO
- Place: _____
Date: _____ Signature of the Applicant
Recommended and forwarded
Signature of Sponsoring Authority (With Seal)