Workshop

On

Introduction to Programming: A Pedagogical Approach

17 - 22 June 2019

Department of
Computer Science & Engineering
National Institute of Technology Rourkela
Odisha – 769 008, India

In Association with

E & ICT Academy
Malaviya National Institute of Technology Jaipur
Rajasthan, India.

Who is eligible for applying?
Faculty members from academia and PhD students. Other students and industry participants can attend the workshop with full non refundable registration.

Registration Details:

There is no registration fee for the workshop for faculty and PhD scholars, but the participants should prepare a DD of Rs. 1000 which will be returned at the end of the course. The DD of other students and industry participants is non refundable.

How to apply:
The registration has to be done by online application available in mnit.ac.in→Central facilty→E&ICT and choosing the Introduction to Programming: A Pedagogical Approach course. A scanned copy of DD of Rs. 1000 need to be uploaded during the registration process which will be returned. The DD should be drawn in favour of "EICT Academy, MNIT Jaipur" payable at Jaipur, (ICICI MNIT branch (code: ICIC0006768) or (SBI, MNIT Campus Branch, Jaipur IFSC Code: SBIN0015921). The scrutiny details will be intimated through mail/phone to the candidates.

Accommodation and Food

- The outstation participants will be provided **paid** accommodation based on the availability
- No travel allowance will be given.
- Free working lunch will be provided during the programme

Important Dates:
Application Deadline: 12 June 2019
Selection date: 13 June 2019

About the Workshop
This course will be offered through National Knowledge Network (NKN) based Video Conferencing, with lectures delivered by invited experts from IITs, NITs, IIITs and other premier institutes/industries. In addition, local course coordinators will take care of sessions on design orientation/activity linked problems/ assignments/ case studies and quiz test(s).

Course Content

Introduction
Introduction, Basic Concepts, Familiarize with lab and programming environment.

Branching
Branching and Loops Designing programming questions for Branching and Loops

Functions & Recursion
Arrays, Functions, Recursion, Designing programming questions for Arrays, Functions and
Recursion

Data structures & algorithms
Simple Data structures and Algorithms Designing programming questions for Data structures and Algorithms

Testing & debugging
Testing, Debugging, and How to Evaluation Student Submissions

Examples cases
Case studies.

Experts

Prospective external Experts- Dr. Amey Karkare, IITK

Coordinators of the course:

Prof. Korra Sathya Babu
(ksathyababu@nitrkl.ac.in, 9439432489)

Prof. Bidyut Kumar Patra
(patrabk@nitrkl.ac.in)