

## REGISTRATION FORM

One Week Faculty Development Program  
on  
“SCIENTIFIC COMPUTATION WITH  
PYTHON”  
(11<sup>th</sup> March – 15<sup>th</sup> March 2019)  
Registration Form

Name: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Category (GEN/SC/ST/OBC) \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Experience: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

\_\_\_\_\_

Mobile no.: \_\_\_\_\_

E-mail ID: \_\_\_\_\_

Accommodation required: YES/NO

Signature of participant: Date: \_\_\_\_\_

\_\_\_\_\_

Place: \_\_\_\_\_

### Sponsorship Certificate

\_\_\_\_\_ is working as  
faculty in our institute. He/She is permitted for attending  
one week FDP and shall be relieved for the same.

Signature & Seal of Forwarding Authority

A scanned copy of the filled form can be sent by e-mail to  
the FDP coordinator [ratneshd@lnct.ac.in](mailto:ratneshd@lnct.ac.in)

[hodcse@lnct.ac.in](mailto:hodcse@lnct.ac.in)

For Online Registration please visit [www.lnct.ac.in](http://www.lnct.ac.in)

**Chief Patron** Prof. S.G. Deshmukh  
Officiating Director PDPM IIITDM  
Jabalpur, and  
Director, ABV-IIITM, Gwalior  
Shri J.N Chouksey  
Chairman, LNCT Group

**Patron(s)** Mrs. Poonam Chouksey, LNCT Group  
Dr. Anupam Chouksey,  
Secretary, LNCT Group

**Advisory  
Committee** Dr. Sanjeev Jain, SMVDU, Katra  
Dr. R.S Thakur, MANIT, Bhopal  
Dr. Piyush Shukla, RGPV, Bhopal  
Dr. Akhilesh Tiwari, MITS, Gwalior  
Dr. Uday Pratap Singh, SMVDU, Katra

**Convenor** Dr. Ashok Kumar Rai, LNCT, Bhopal

**Coordinator** Prof. Ratnesh Kumar Dubey, LNCT, Bhopal  
Dr. Atul Gupta, IIITDM, Jabalpur  
Dr. Sadhna Mishra, LNCT, Bhopal  
Dr. Rachana Dubey, LNCTE Bhopal

**Co-coordinator** Prof. Vikram Rajpoot, LNCT, Bhopal  
Prof. Hitesh Gupta, LNCT, Bhopal  
Prof. Vijay Trivedi, LNCT, Bhopal

**Organizing  
Committee** Dr. Vineet Richhariya, LNCT, Bhopal  
Dr. Megha Kamble, LNCT, Bhopal  
Dr. Sunil Phulre, LNCT, Bhopal  
Dr. Bhupesh Gour, LNCT, Bhopal  
Prof. Shubha Mishra, LNCT, Bhopal  
Prof. Nidhi Singh, LNCT, Bhopal  
Prof. Deepak Rathore, LNCT, Bhopal  
Prof. Aditya Patel, LNCT, Bhopal

### Venue

Department of Computer Science & Engineering,  
Lakshmi Narain College of Technology (LNCT), Bhopal  
Kalchuri Nagar, Raisen Road, Bhopal 462 021, (MP)  
Mobile no. 9826948116, 8871519258 Phone: +91-755-3985312

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Sponsored By

Electronics and ICT Academy, PDPM IIITDM  
JABALPUR

An Initiative of Ministry of Electronics &  
Information Technology  
Government of India



Organized by



(NBA accredited)

Department of Computer Science & Engineering  
Lakshmi Narain College of Technology  
(LNCT) Bhopal  
Kalchuri Nagar, Raisen Road,  
Bhopal 462 021, Madhya Pradesh.

## About the Electronics & ICT Academy, PDPM IIITDM Jabalpur

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and ICT Academies with one academy at IIITDM Jabalpur with the primary objective preparing manpower for two important missions - 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training programmes in the areas of electronics and ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. The Academy at IIITDMJ will partner with IIITM Gwalior, MANIT Bhopal, and IIT Indore run high quality specialized courses for faculty, students and unemployed graduates.

## About the LNCT Bhopal

LNCT Group of Colleges is one of the oldest and largest education group in central India. Founded in 1994 Lakshmi Narain College of Technology, Bhopal has the privilege of being the First Private (self financed) institute of M.P., LNCT Group offers program from Diploma, Bachelor, Master's and Doctorate-level programs. With campuses in five locations in Madhya Pradesh & Chhattisgarh including the cities of Bhopal, Indore, Gwalior, Jabalpur and Bilaspur LNCT Group of College to meet the ever increasing demands for higher education in India, LNCT Group is one of the Group institutes of its size in the India to offer program in 5 varied field of study: Engineering, Management, Pharmacy, Medical, Homeopathy, Dental and recurring and professional studies, Education is not the only area we work in. We also take responsibility for the improvement of community around us. This instills in the students a feeling of responsibility and concern and makes them comprehend the world a bit better. Each one is better endowed to face the world and the satisfaction of having fulfilled their social responsibility is an added bonus. LNCT Bhopal campus is the historic campus in Bhopal, which dates from 1994. The LN Medical College & Research Centre located at Bhopal, MP. It is a part of LNCT Group of College, which runs a hospital with 750 Beds and Medical courses affiliated with Barkatullah University, All group institutions have the finest relations among the industry and academics. Today, prospective students will find 58 undergraduate, graduate as well as post graduate programs.

People who wish to pursue a career in Engineering, Management, Pharmacy, Medicine, Dentistry and Nursing.

## About the Department

Department of Computer Science and Engineering of the college was established in year 1994. Two postgraduate courses in Computer Science and Engineering and Software Engineering were started in the year 2004 and 2007 respectively. Currently the department has an intake of 180 at undergraduate level and 24 at postgraduate level (M.Tech, CSE). Since its inception the department has always been recognized for excellence in teaching and outstanding students' performance at global level and for the excellent placement record in various international/national companies. All over the world, the alumni of the department occupy top positions in IT industries like Google, Sun Microsystems, Yahoo, Cisco, TCS, Cognizant, Infosys, Wipro and many more.

## About the Faculty Development Program

Exploring various aspects of Scientific Computation using Python in today's society, scholars of computer science and information technology specializing in computer security provide insights into the negative uses of technology and review associated vulnerabilities and mitigation. Among their topics is The SciPy ecosystem, a collection of open source software for scientific computing in Python.

The main aims of this FDP is to enhance the Knowledge according to Company Perspective, In the institutions by providing the opportunities for faculties of various engineering institute for upgrading their knowledge in the area of Scientific Computation with Python. Faculty development program me (FDP) demonstrates

Python in tight connection with mathematical applications. Further, this FDP is devoted to explain the use various concepts in Python for computing purposes like linear algebra, arrays, plotting, iterating, functions, polynomials, and much more.

### Major Course Contents:

- Python programming basics
- Vector and array manipulation
- Plotting, functions, input and output
- Sequences and difference equations.
- Symbolic Computations with Sym Py

- Introduction to discrete calculus and differential equations
- Case Studies using Python

## Resource Persons

DR. ATUL GUPTA, IIITDM JABALPUR

DR. VIVEK TIWARI, IIIT RAIPUR

## Important Dates

- Last date of receipt of application: **08.03.2019**
- Notification of selection on or before (by Email): on or before: **09.03.2019**

## Registration Details (in INR): Registration is as under:

**Rs.1000/-** for all people from Academics.

**Rs.500/-** for SC/ST candidates.

**Rs.3000/-** for persons from Industry.

Scanned or Hard copy of Application form in the prescribed format must reach the Coordinator (**Prof. Ratnesh Dubey**) on or before **08th March, 2019**. Registration includes registration kit, course material, lunch and tea & snacks.