

*A Self-Financed Summer Training Program*  
*On*  
**Learning Python Applications Development  
for Industrial Projects (LPADIP-2019)**  
**From 10<sup>th</sup> June – 6<sup>th</sup> July, 2019**

---

*Arise, awake and don't stop until the goal is reached.*

*-Swami Vivekananda*

---



**Organized by**  
**Department of Computer Science & Engineering**  
**Motilal Nehru National Institute of Technology Allahabad**  
**Prayagraj-211004, Uttar Pradesh, India**

### THE INSTITUTE

Motilal Nehru National Institute of Technology (MNNIT) Allahabad is one of the premier National Institute of Technology (NIT) in India. It is committed to achieve quality and excellence in academic pursuits. Established in 1961, as a Regional Engineering College, a joint enterprise of Government of India (GOI) and Government of Uttar Pradesh, the institute was transformed into NIT on June 26, 2002. With the enactment of NIT Act-2007 (29 to 2007), the Institute has been granted the status of institution of national importance w.e.f. August 15, 2007.

The Institute now offers various undergraduate and postgraduate courses such as B.Tech, M.Tech, MCA, MBA, M.Sc., M.S.W and Ph.D. degree. It has been recognized by GOI as one of the Quality Improvement Programme (QIP) centres for the M.Tech. and Ph.D. Degrees. Also, it is a mentor Institution under World Bank funded GOI Project on Technical Education Quality Improvement Programme (TEQIP-III).

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

For the first time in India undergraduate course in Computer Science & Engineering was offered in 1977 under Electrical Engineering Department with a modest strength of 10 students. The Department of Computer Science & Engineering offers Bachelor of Technology courses in Computer Science & Engineering and Information Technology. It also offers a Master of Technology in Computer Science & Engineering, Master of Technology in Software Engineering, Master of Technology in Information Security, and Master of Computer Application (M.C.A.). Further, the department also enrolls candidates for Ph.D.

### PRAYAGRAJ

The city of Prayagraj is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers- Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. The city has many governmental institutions which include MNNIT Allahabad, High Court of UP, Allahabad University, IIT Allahabad & tourist places like Sangam, Anand Bhawan, Narayan Ashram etc. MNNIT Allahabad is one of the premier institutes of the city offering Quality Technical Education.

### ABOUT THE TRAINING PROGRAM

Today Indian IT industry contributes 9.5% of the country's GDP and employs 3.7 million people across the world. The technologies used for IT services changes very fast. Recently, most of the IT products incorporate Artificial intelligence (AI), Machine learning techniques and thus, final products become smarter. Now days, IT industries frequently uses python programming language for application of Artificial intelligence, Machine learning based techniques. The python programming language is popular among developers due to its fewer lines of code and rich libraries for scientific computing, data analytics, image processing, cryptography, etc. The python programming language provides an extra edge over other programming languages such as C, C++ and Java for its diversified and hassle-free coding capabilities such as in gaming, web frameworks, language development, prototyping, graphic design applications, etc. The summer training program focuses on basics of python programming along with its applications in many aspects of software development. The program curriculum and their

applications would be covered in depth. The program is structured in lucite way such that students of different skills will be able to uplift themselves. The program contents are covered in three modules:

#### **Core Python**

Python Introduction, Modes of Operation, Variables, Strings handling, Operators and Operands in python, Python Lists, Python Dictionary, Python Functions, Python Modules and Packages, Class and Objects, Multi-Threading, File Handling, Exception Handling, python Regular Expressions etc.

#### **Advance Python**

Database Communication, Web Scrapping, Web Development Frameworks, GUI Programming, Machine Learning using Python, etc.

#### **Industrial Applications for Project Development**

Web Application, Data Analytics, Internet of Things (IoT), etc.

### OBJECTIVE OF THE TRAINING PROGRAM

The objective of the program is to train our undergraduate, postgraduate and research students of fundamental computer background so that they becomes ready to cope demands of software industry. Recently, a survey report published in one of the leading newspaper in India claiming that 95% of engineers in the country are not fit to take up software development jobs. The adoptability of software developers with fast changes in technologies is the key reason for such huge gap. Our effort to give exposure on python programming is on the way to fulfil this gap. The training program assists students to develop their mini and micro projects. The students can learn and practice the industry skills and prepare themselves for job prospects. The objective of LPADIP training program toward the many skill development programs currently run by Central and state government of India such as Pradhan Mantri Kaushal Vikas Yojana (PMKVY), skill India, etc.

### COMMITTEE

#### ORGANIZING COMMITTEE

##### **Patron**

Prof. Rajeev Tripathi, *Director, M.N.N.I.T. Allahabad*

##### **Chairman**

Prof. Anil Kumar Singh, Head, Department of Computer Science & Engineering, *M.N.N.I.T. Allahabad*

##### **Course Conveners**

Prof. R. S. Yadav

Dr. Ranvijay

##### **Course Coordinators**

Dr. Dinesh Singh

Dr. Rupesh Kumar Dewang

## Treasurer

Mr. Pankaj Sikka

## Student Coordinators

1. Avaneesh Kumar Yadav
2. Sushil Kumar Maurya
3. Niharika keshari
4. Rohit Kumar
5. Kamala Kant
6. Shanaz Mohamad

## ADDRESS FOR COMMUNICATION

Complete registration form, accompanied by the demand draft should reach the course coordinators on or before **20<sup>th</sup> May 2019**.

The contact details are:

### **Dr. Rupesh Kumar Dewang and Dr. Dinesh Singh**

Department of Computer Science & Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Allahabad-211004

**Phone:** 0532-2271351 **Mobile No.:** 7897954101, 9455421546

**E-mail:** [rupeshdewang@mnnit.ac.in](mailto:rupeshdewang@mnnit.ac.in), [dinesh\\_singh@mnnit.ac.in](mailto:dinesh_singh@mnnit.ac.in)

For any further information / assistance you may contact the coordinators at the following address: [lpadipmnnit@gmail.com](mailto:lpadipmnnit@gmail.com)  
Also, the participants are requested to send a scanned copy of the form along with Demand Draft/online transaction proof on the above email, to avoid inconvenience caused by postal delays.

## IMPORTANT DATES

**Course Duration: 4 weeks, June 10<sup>th</sup> to July 6<sup>th</sup>, 2019**

**Last Date of Registration: May 20<sup>th</sup>, 2019 (Registration may get closed before last date if all seats get filled.)**

## WHO SHOULD ATTEND

This summer training program will be valuable for students pursuing/completed their B.Tech, BCA, B.Sc., MCA, M.Tech, M.Sc. and research scholars.

## REGISTRATION DETAILS

To register for this course the applicants will have to pay fee of **Rs. 10,620/-** (Including **GST@18%**) in advance. The registration fees should be sent in the form of Demand Draft in favour of "LPADIP" payable at **Prayagraj**. (OR) Online Transfer A/C No. **718400301000303** of Vijaya Bank, MNNIT Branch, IFSC Code: **VJIB0007184**, Name of A/C holder: **LPADIP**

The participants will receive ample course material in the program to practice. The fooding and lodging arrangements for candidates can be made on the request of participants from outside the Prayagraj. Limited accommodation may be provided on first come first serve basis to the participants, based on the availability of rooms in the institute EDC, Hostels and other available places (**Female Participants will be given preference**). The participants have to bear their travelling, fooding and lodging expenses. Also, you are requested to send a copy of aadhaar card as proof of your identity. The charges of fooding and lodging will be separate from the registration fee and will be nominal as per institute rule.

## HOW TO APPLY

The participants will download Registration Form which is available in the MNNIT Allahabad web site or it can be use the available registration form brochure itself. Completed registration form along with D.D/payment details should reach at the communication address by **post or E-mail** (in case of payment made online) on or before **May 20<sup>th</sup>, 2019**. Seats are limited. The list of participants will be displayed at the MNNIT Allahabad website and they will also be intimated by E-mail on or before **May 25<sup>th</sup>, 2019**.

## FOR ANY QUERY PLEASE CONTACT:

1. Mr. Sushil Kumar Maurya (Mob: 9450542013)
2. Mr. Avaneesh Kumar Yadav (Mob: 8707312552)
3. Mr. Rohit Kumar (Mob: 8433235478)
4. Shanaz Mohamad (Mob:8988089291)

Send Email on: [lpadipmnnit@gmail.com](mailto:lpadipmnnit@gmail.com)

**(Registration may get closed before last date if all seats get filled.)**

LPADIP-2019 Summer Training

## *A Self-Financed Summer Training Program*

*On*

*Learning Python applications development for Industrial projects (LPADIP-2019)*

*10<sup>th</sup> June – 6<sup>th</sup> July, 2019*

*Organized by*

*Department of Computer Science & Engineering  
Motilal Nehru National Institute of Technology Allahabad  
Prayagraj-211004*

## REGISTRATION FORM

Paste your  
Recent  
Passport Size  
Photograph

Name (in Block Letters) \_\_\_\_\_

Fathers/Mother/Guardian Name \_\_\_\_\_

Date of Birth \_\_\_\_\_ Gender: Male/Female

Qualifying Degree (Pursuing/Completed) \_\_\_\_\_

Aadhaar No.: \_\_\_\_\_

Institute \_\_\_\_\_ AICTE Approved

Yes/No Category (UG/PG/Research Scholar)

Correspondence Address \_\_\_\_\_

\_\_\_\_\_ City \_\_\_\_\_ Pincode \_\_\_\_\_

Mob. \_\_\_\_\_ E mail \_\_\_\_\_

Accommodation Needed Yes/No (Accommodation would be provide on first come first serve basis)

## PAYMENT DETAILS

Draft No/Transaction Id. \_\_\_\_\_

Date \_\_\_\_\_

Issuing Bank and Branch (with code) \_\_\_\_\_

Amount \_\_\_\_\_ Drawn on \_\_\_\_\_

(DD in favour of 'LPADIP' payable at 'Prayagraj' OR online payment A/C

No. 718400301000303 of Vijaya Bank, IFSC Code: VJIB0007184)

(Signature of Applicant)