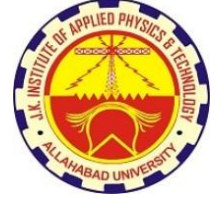




# 15 Days' Short Term Training Programme on Fundamental of Python Programming

(18<sup>th</sup> March -31<sup>st</sup> March, 2020)



Jointly Organized by

**Institution of Electronics and Telecommunication Engineers (Allahabad Centre)**  
and,  
**Department of Electronics and Communication, University of Allahabad**

The **IETE** is the National Apex Professional body of Electronics and Telecommunication, Computer and IT Professionals. The IETE focuses on advancement of the Science and Technology of Electronics, Telecommunication, Computers, Information Technology and related areas. Towards this end the Institution promotes and conducts basic engineering and continuing technical education programmes for human resource development.

The IETE conducts both the Graduateship (AMIETE) Examination in Electronics and Telecommunication Engineering, Computer Science & Engineering and Information Technology streams and Diploma (DIPIETE) Examination in Electronics & Telecommunication and Computer Science & Engineering streams. A pass in AMIETE Examination is recognised by Government of India for the purposes of recruitment to superior posts and services under the Central Government while a pass in Diploma Level (DIPIETE) Examination is recognised by the Ministry of HRD, Govt. of India for the purpose of employment to posts & services under the Central Government in the appropriate field.

The **Department of Electronics and Communication** (well known as *JK Institute of Applied Physics and Technology*), University of Allahabad is located in the Muir College Campus (Science Faculty) of the University of Allahabad. JK Institute of Applied Physics and Technology stands as one of the most prestigious Institute running various UG/PG/PhD courses in Engineering and Technology. It is older than any of the IITs. Its foundation stone was laid by first prime minister of India, Late Pt. Jawaharlal Nehru on April 14<sup>th</sup> 1949 and it was formally inaugurated by him on April 4<sup>th</sup> 1956. It was named as J.K. as J.K. trust contributed for the construction of the complete building structure. It is a pioneer department in the country today for teaching and research in the area of Electronics and Computer Science/ Engineering. The department successfully running various engineering and computer science courses include B.Tech. and M.Tech. programme in Electronics and Communication Engineering, Computer Science and Engineering, M.Sc. (Computer Science), MCA and Ph.D. programme in electronics and computer science area.

#### Course Objectives:

This course is designed to provide an exposure to the fundamentals of Python Programming with Industry perspective. Participants will learn Introduction & basics of Python Programming, Decision Statements, Loop Control Statements, Functions, Strings, Lists and Dictionaries such as Tuples and Sets, File Handling, Pandas Data Handling and Use Cases and Machine Learning. Hands-on training and practice sessions will help participants gain confidence on Python concepts, their simulation and implementation including sessions. The course will be useful for students of engineering and sciences who are interested in the learning Python Programming.

#### Resource Persons:

Classes will be engaged by the eminent faculty from MNNIT Allahabad, IIIT Allahabad and University of Allahabad.

#### Major Course Contents:

- Introduction & basics of Python Programming
- Decision Statements; Loop Control Statements; Functions, Strings
- Lists and Dictionaries; Tuples and Sets; File Handling; Pandas
- Data Handling and Use Cases
- With exposure to the current trends of technology such as Machine Learning, Big Data Handling, Database handling, Image processing, Tool development, Web development etc.

#### Eligibility:

The programme is open to all students who wish to learn the basic of Python programming. Research scholars and Faculty members working in the concerned/allied discipline can also attend.

#### Timing and Dates

The workshop will be conducted in the evening (04:30 PM to 07:00 PM) from 18<sup>th</sup> March to 31<sup>st</sup> March, 2020 including Saturday and Sunday.

**Venue:** Pt. Deen Dayal Upadhyaya e-Technology Centre, JK Institute of Applied Physics and Technology, Faculty of Science, University of Allahabad.

#### Registration and How to apply:

A filled in form of application in the prescribed format duly signed along with the registration fees of **Rs. 500/-** should be handed over in the department during **12<sup>th</sup> March to 17<sup>th</sup> March, 2020**. No application will be entertained on the first day of programme.

#### Selection Criterion:

Due to limited resources the maximum number of participants will be allowed **60 (Sixty)** only. The Selection will be done based on **first-cum-first-serve basis** and the confirmed candidates will be notified previous to the workshop.

#### Organizing Committee

##### Patron

Prof. R. R. Tewari, Vice-Chancellor, University of Allahabad

##### Advisors

Prof. J. A. Ansari, Dept. of Electronics and Communication, UoA  
Prof. R. S. Yadav, Dept. of Electronics and Communication, UoA

##### Coordinators

Dr. Sudhanshu Kumar Jha, Dept. of Electronics and Communication, UoA  
Dr., Richa Mishra, Dept. of Electronics and Communication, UoA  
Mr. Vinod Kumar, Dept. of Electronics and Communication, UoA  
Dr. Sudhakar Singh, Dept. of Electronics and Communication, UoA  
Dr. Mahendra Tiwari, Dept. of Electronics and Communication, UoA  
Dr. Rajesh Kumar, Dept. of Electronics and Communication, UoA  
Ms. Vandana Rathore, Dept. of Electronics and Communication, UoA

For further information please Contact

#### Dr. Sudhanshu Kumar Jha

Department of Electronics and Communication, University of Allahabad

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Email: sudhanshukumarjha@gmail.com, skjha@allduniv.ac.in



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## APPLICATION FORM

1. Name (in CAPITAL letters) :
2. Educational Qualifications (specialization) :
3. Gender (M/F) :
4. Designation :
5. Institution :
6. Email :
7. Address for Correspondence :
8. Mobile No :

### Declaration

The information provided is true to the best of my knowledge. I agree to abide by the rules and regulations of the workshop and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:

Date:

Signature of the applicant

**Submit this Form along with Registration fees of Rs. 500/- to:**

#### **Mr. Vinod Kumar**

Assistant Professor,  
Dept. of Electronics and Communication,  
University of Allahabad, Allahabad

Mob.: 6394968871, 8860572028  
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#### **Ms. Vandana Rathore**

Assistant Professor,  
Dept. of Electronics and Communication,  
University of Allahabad, Allahabad

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Email: vandanaathore.in@gmail.com

**For further information please contact to:**

#### **Dr. Sudhanshu Kumar Jha**

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University of Allahabad, Allahabad

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Email: sudhanshukumarjha@gmail.com

#### **Prof. R. S. Yadav**

Professor  
Dept. of Electronics and Communication and  
Secretary IETE Allahabad Centre,  
University of Allahabad, Allahabad

Mob.: 9415633420