

Contact Information

Primary Contact Person

All queries should be directed to the following. You can also contact the resource persons in urgent cases.

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Resource Persons

Dr. Fayyaz ul Amir Afsar Minhas

Principal Scientist

PI, PIEAS Data Science Lab, DCIS

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Email: afsar@pieas.edu.pk

Web: <http://faculty.pieas.edu.pk/fayyaz/>

Dr. Minhas did his PhD in 2014 from Colorado State University, USA on a Fulbright scholarship in the field of Machine learning in bioinformatics. He has used Python to develop large scale applications in Bioinformatics, Machine Learning, Visualization, Hardware interfacing and scientific programming.

Dr. Abid Mughal

Principal Scientist

Co-PI, PIEAS Data Science Lab, DCIS

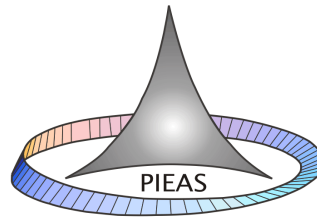
Pakistan Institute of Engineering and Applied Sciences (PIEAS)

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Email: mabidm@pieas.edu.pk

Dr. Abid Mughal has significant experience in the development of high performance computing solutions and data science projects. He holds a PhD from Tsinghua University, China.

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Data Science Lab

Department of Computer & Information
Sciences
Pakistan Institute of Engineering &
Applied Sciences



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Data Science With Python: July 2-13, 2018



A short course offered by PIEAS Data Science Lab.
Department of Computer & Information Sciences,
Pakistan Institute of Engineering & Applied Sciences



Registration Deadline

Thursday, June 1, 2018

Discover the ease of programming Data Science
applications with Python

Registration Webpage:

<https://goo.gl/3dQl1bs>



Data Science with Python

Data science is in high demand in various industry and scientific applications. It forms the backbone of large-scale data processing, analysis, mining and information extraction from structured and unstructured data sources.

The objective of this short certificate course is to enable participants to develop essential programming skills for applying data science techniques. Specifically, it will focus on the development of the following skills:



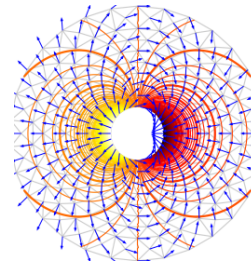
1. Enhancing the skill-level of participants in Python Programming
2. Scraping and mining data from online sources
3. Concepts of machine learning and deep learning
4. Large-Scale Data Processing
5. Numerical Computing with Python
6. Introduction to data science libraries such as Scikit-Learn, Hadoop / Spark, Keras, matplotlib, pandas, etc.

Pre-Requisites

- Programming experience in high level languages.
- ***Passion for programming & Data Science!***

Course Contents

- Basics of programming in Python: operators, control flow, functions, data structures, OOP
- Introduction to Data Science
- Data Visualization using Python
- Pattern Recognition Fundamentals
- Intro. To Machine learning & Deep Learning
- Intro. To Large-Scale Data Management
- All contents accompanied by hands-on exercises



Schedule, Venue and Fee

Mon, July 2 to Friday, July 13, 2018

Classes: 9am-3pm Mon-Friday, B-106, B-Block, PIEAS
(The room is equipped with computers and Internet. You can bring your laptops).

- PIEAS Students & Faculty: PKR 1,000/- (Lunch not included)
- Students (from outside PIEAS): PKR 5,000/-
- Regular participants: PKR 10,000/- (PKR 8,000/- for early bird registration payment by June 1, 2018)

Registration Deadline: June 1, 2018

Name*: _____

CNIC*: _____

Affiliation*: _____

Designation: _____

PIEAS Student*: Yes No

Transport Required*: Yes No (subject to availability)

Address (mention pick/drop address if tpt. reqd.):

Phone*: _____

Email*: _____

Programming Experience*: _____

Please Send the completed form to the primary contact person through postal service or email or use the course web-link to register online. The organizers hold all rights. Submission of the registration form does not automatically guarantee admission to the course. Upon acceptance, an applicant will receive email confirmation of participation with further instructions for payment of registration fee and submission of proof of payment within 4 days but before June 14, 2018. Otherwise, the registration will be deemed cancelled. There is a strict limit of 25 participants in this course. To ensure a spot in this course, please register at the earliest. PIEAS shall not provide TA/DA or accommodation. Transportation will be subject to availability. Lunch and tea will be provided. Certificates will be given for successful completion as per course evaluation policy.



<https://goo.gl/3dQlbs>
mobeen@pieas.edu.pk

* indicates required field.