

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY Centre for Continuing Engineering Education (CCEE)

Offers

PROFESSIONAL CERTIFICATION

on

PYTHON FOR DATA SCIENCE

1.0
CPD

About the Programme

- *Data Science jobs are the highest paid jobs in Pakistan: The demand outpaces the supply.*
- *Python is the most demanded skills for data science jobs in Pakistan and elsewhere*
- *Take the right step in your career! Join us in building hands on projects using Python.*
- *We use PEC Prescribed OBE model of active learning and ensure you learn more by working along on projects. We believe in minimum of passive learning and more on open learning environment.*
- *The projects have been carefully chosen to benefit your career in both short and long terms*

Course Objective

- *Get hands on with Python programming*
- *Reduce production time/office work by automating repetitive work*
- *Be able to confidently work with Python libraries for data visualization and analysis*

Course Outline

- **Python micro-containers (list, dictionary, set, tuple)**
- **Python functional programming**
 - ✓ Building a scheduler to give reminders
 - ✓ Designing a profanity checker
- **Speed vs space considerations**
 - ✓ Recursion vs loop
 - ✓ Choosing the right micro container
- **Python containers (data series, data frames)**
 - ✓ Performing weather/temperature analysis from public data
 - ✓ Performing popularity analysis of baby names
- **Data Visualization**
 - ✓ Storytelling using visualization (matplotlib, Seaborn)
 - ✓ Exploratory Visualization for univariate and multi-variate data
 - ✓ Explanatory data visualization
 - ✓ Interactive visualization using Bokeh
- **Automation of common office work**
 - ✓ Renaming files and folders
 - ✓ Analyzing your laptop to free up space
 - ✓ Reading and Writing Excel files
 - ✓ Cropping and resizing an image
 - ✓ Automatically send emails

Date

October 8 to 11, 2019

Duration

4 days

Timings

9:15 am to 4: 15 pm

Venue

NED University, University Road, Kar.

Investment

Rs. 25,000/-

Discounts information available on web.

Target Audience

Data scientists, Data analysts and Business analysts and Software developers of Data Organization, Telecom, Banks, Energy (Oil and Gas)

Facilitator



Engr. Misbahuddin Abdullah

- *Nanodegree (Data Science: nd025), Udacity [In progress]*
- *BE (Electronics), NED University.*
- *Certified Data Analyst, Karachi.AI*
- *Introduction to Digital Currencies, University of Nicosia [MOOC]*

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