

Course: Python

Course Code: Python

Session: 2016-17

Duration: 4 months

Assessment procedures: proctored certification Exam (100%)

Curriculum of the Course:

- 1 Module 1: Basic Plotting
 - 1.1 Getting started with ipython
 - 1.2 Using the plot command interactively
 - 1.3 Embellishing a plot
 - 1.4 Saving plots
 - 1.5 Multiple plots
 - 1.6 Subplots
 - 1.7 Additional features of IPython
- 2 Module 2: Plotting Experimental Data
 - 2.1 loading data from files
 - 2.2 Plotting the data
 - 2.3 Other types of plots
 - 2.4 Plotting charts
- 3 Module 4: Handling Large Data Files
 - 3.1 Getting started with lists
 - 3.2 Getting started with for
 - 3.3 Getting started with strings
 - 3.4 Getting started with files
 - 3.5 Parsing data
 - 3.6 Statistics
- 4 Module 5: Arrays and Matrices
 - 4.1 Getting started with arrays
 - 4.2 Accessing parts of arrays
 - 4.3 Image manipulation using Arrays
 - 4.4 Basic Matrix Operations
 - 4.5 Advanced Matrix Operations
 - 4.6 Least square fit
- 5 Module 6: Python Language: Basics

- 5.1 Basic datatypes & operators
- 5.2 Sequence datatypes
- 5.3 Input/output
- 5.4 Conditionals Statements
- 5.5 Loops
- 6 Module 7: Python Language: Datastructures
 - 6.1 Manipulating lists
 - 6.2 Manipulating strings
 - 6.3 Getting started with tuples
 - 6.4 Dictionaries
 - 6.5 Sets in Python
- 7 Module 8: Python Language: Advanced
 - 7.1 Getting started with functions
 - 7.2 Advanced features of functions
 - 7.3 Using python modules
 - 7.4 Writing python scripts
 - 7.5 Testing and debugging
 - 7.6 Handling Errors and Exceptions

List of students enrolled

#	Name of Student
1	ROHAN SAINI
2	GAURAV SHARMA
3	HARSHIT SINGH LODHA
4	PULKIT SHARMA
5	AJIT MERATWAL
6	HARSH MANWANI
7	AASTHA GUPTA
8	ANIKET KATARIA
9	ANSHUL THAYYA
10	ARCHIT BHARGAVA
11	ARPIT PATHAK
12	ASHISH NATHANI
13	ASHNA MALHOTRA
14	ATUL KATHET
15	AYUSHI DANGAYACH
16	BALRAM KURI
17	CHARU TIRTHANI
18	DEVANSHU OJHA
19	HIMANSHU GUPTA
20	LAKSHYA JAIN
21	MANISH KUMAR SHARMA
22	MUKUL AGARWAL

23	NEERAJ GOEL
24	PALLAVI PALIWAL
25	PARDEEP KUMAR
26	PARIDHI JAIN
27	PIYUSH KUMAR
28	PRANIT TRISHA CHAPLOT
29	RAHUL JIYANI
30	RAHUL RASGON
31	SAURABH AGARWAL
32	SHAGUN VAID
33	SHUBHAM SHARMA
34	SOURABH GODHA
35	SURABHI BANSAL
36	TANVI JHAMB
37	UDIT SETHI
38	UTKARSH DANGAYACH
39	VARSHA JANU
40	VIJAY GOYAL
41	VIKAS AGARWAL
42	VISHAL BANSAL
43	NARESH SAHU
44	CHIRAG LALWANI
45	NEHA SHARMA

46	SUMIT ARORA
47	SHAILJA MAHESHWARI
48	DIVYANSHU SHARMA
49	HIMANSHU NA
50	SOURAV KUMAR
51	SRIYAM NA
52	ABHISHEK VERMA
53	ADITYA SONI
54	AJAY KUMAR JAIN
55	ANIL KUMAR PANDIYA
56	DEEKSHA KHANDELWAL
57	GORAL ARORA
58	JATIN MAHAWAR
59	MANPREET SINGH
60	POOJA JAIN
61	PRASHANT BHARDWAJ
62	RAHUL YADAV
63	SHIVAM AGARWAL
64	SONALI AGARWAL
65	UMA PAREEK
66	VAISHALI BHAWNANI
67	YASHMAYEE JAIN
68	AAKARSHAK SINGH JASROTIA
69	ABHISHEK JAIN
70	ADITI PAREEK
71	AISHWARYA RATHORE
72	AKSHIKA JAIN
73	ALEKH SHARMA
74	AMAN GOYAL
75	ARCHIT JAIN
76	ASHUTOSH JAIN
77	AYUSHI AGRAWAL
78	BHAVNA RATHI
79	BHAWANA AGARWAL
80	CHAVI GUPTA
81	CHIRAG GANGWAL
82	HARSH AGRAWAL
83	HARSH BANSAL
84	ISHWAR KUMAR MAHAWAR
85	MAHAVEER KUMAR DHAKER
86	MEHUL KUMAR
87	MINI SHARMA
88	MONALI DIXIT
89	MONIKA PRASAD
90	MUDIT CHORARIA
91	NIDHI GUPTA
92	NIKHIL GAMBHIR
93	PAWAN KUMAR

94	PRANJAL JAIN
95	PREETI JAIN
96	PUJA KUMARI DWIVEDI
97	RUCHIKA SONI
98	SANDEEP DALMIA
99	SARTHAK DATTA
100	SAURABH JAIN
101	SAURABH SACHDEV
102	SHIMONA GOYAL
103	SHUBHAM SHARMA
104	SONALI SHARMA
105	VARUN GARG
106	VIDHISHA SHARMA
107	VISHAL HASNANI
108	VIVEK GUPTA
109	YASH SHRIMALI
110	YATHARTH SRIVASTAVA
111	SAGAR CHOUDHARY
112	TULIKA SINGH
113	AYUSH SHARMA
114	SPARSH PAREEK
115	SHUBHAM VAISHNAV
116	RAMYA NAYYAR
117	POOJA MISHRA
118	RIYA SONI
119	ANOUSHKA HARIT
120	PRARTHANA NAMA
121	AKSHITA PACHAURI
122	ARPIT KUMAWAT
123	AKANKSHA SINGH
124	TEENA NAGAR
125	SONAL MANSINGHKA
126	ANSHUL SAXENA
127	PREM SINGH
128	JAI SURANA
129	SHIVI DUGAR
130	SHIVANI BHARGAVA
131	DIVYA GOYAL
132	VAIBHAV JOSHI
133	NISHA MITTAL
134	TEENA KUMARI
135	NIKITA ASWANI
136	SUHANI KAVDIA
137	VIPUL SHARDA
138	AJIT KUMAR RAI
139	SWATI SINGH
140	PRADIL TALWAR

