S L N	Software Course	Department/ Batch	Batch Year	Examination Date	Time	Test Code	Students Interested	Students Appeared for the Test	Students Cleared the Test
	Unser the IITB Spoken tutorial online courses, many students have successfully completed the online test for various courses (batch wise)in the month of My 2023								
1	R	MBD	2022	16/5/2023	3:10 PM	TC-93488	19	9	8
2	R	MA-MSC	2022	16/5/2023	3:00 PM	TC-93495	20	6	5
3	R	MPS	2022	16/5/2023	3:20 PM	TC-93496	29		
4	Bio Python	MBD	2022	17/5/2023	3:10 PM	TC-93497	19	6	6
5	Bio Python	MA-MSC	2022	17/5/2023	3:00 PM	TC-93498	20		
6	Bio Python	MPS	2022	17/5/2023	3:20 PM	TC-93499	29		
7	RDBMS PostgreSQL	MBD	2022	18/5/2023	3:10 PM	TC-93500	19	2	2
8	RDBMS PostgreSQL	MA-MSC	2022	18/5/2023	3:00 PM	TC-93501	20	2	2
9	RDBMS PostgreSQL	MPS	2022	18/5/2023	3:20 PM	TC-93502	29		
TOTAL							204	33	23

Nalini. A- Placement Officer

Reporting on the Placement Cell

For the IIPS Director's Report

The placement cell is actively engaged in enhancing the placement opportunities for students graduating from IIPS. Students undergoing each course at IIPS nominate two of their representatives to the placement cell. Placement cell activities are largely planned and executed by these 12 student representatives with some guidance from the two placement cell coordinators (Dr T R Dilip and Dr Manas Ranjan Pradhan). The placement cell conducted 8 training/ skill-building activities in 2022-23. This year the IIPS students has received campus placement offers from Aakansha Foundation, CMIE, IHAT, Jan Suraaj, Mu Sigma, Pfizer, Tisser Artisans Trust and Ummeed Foundation. In addition to this the placement cell assisted 32 students in identifying suitable summer-internship opportunities in public and private sectors.

Skill building activities organized by the placement cell in 2022-23
1. Workshop on *Data Analysis using 'R'* by Dr. S. Rajaram from 17th November -21st November 2022
2. Workshop on "*Data Analysis using Excel*" by Mr. S. Mathuranayagam on 26th November 2022
3. Training on " *How to market a brand called you* " by Dr. Ashok Thapar on 27th November 2022
4. Workshop "*Advanced Analysis using Excel"* by Mr. S. Muthuranayagam on 3rd December 2022
5. Session on "*Soft Skill*s" by Mrs. Priya Sawant on 4th December 2022
6. Session by Piramal Foundation representative about *Gandhi Fellowship on* 25th January 2023
7. Session on *Personality Development* by Mr. Prashant Borde on 8th February 2023
8. Session on *Selected Open Access tools for Researchers* by S Sriram on 5th April 2023

IIPS students undergoing internship at Tata STRIVE, Mumbai

Participants of the 5-day workshop by placement cell on Data Analysis during R

Participants of the training session on Soft Skills organized by the placement cell

Participant interacting in the session on SPSS training.

Expert introducing the importance of Power Bi

International Institute for Population Sciences

Department of Survey Research and Data Analytics

Organizing a workshop on

Data Visualization and Interactive Dashboards using Microsoft Power BI

8 to 12 May 2023

(स्थापना / Established in 1956)
बेहतर भविष्य के लिए क्षमता निर्माण
Capacity Building for a Better Future

International Institute for Population Sciences

Department of Survey Research and Data Analytics

Organizing a workshop on
Introduction to Python Programming
1st to 5th March 2023

About IIPS

The International Institute for Population Sciences, which celebrated its Golden Jubilee in the year 2006, was established in Mumbai in July 1956 with the collaboration of the United Nations Population Fund (UNFPA), the Government of India, and the Sir Dorabji Tata Trust to serve as the regional Institute for training and research in population studies for the countries in Asia and the Pacific region. The Institute is a "Deemed University" functioning under the administrative control of the Ministry of Health and Family Welfare, Government of India. This is the only Institute of its kind in the world exclusively devoted to teaching and research in population and health-related issues. The IIPS alumnus is occupying prestigious positions in international and national organizations, universities, development agencies, and non-governmental organizations and has created a brand value for the Institute. The Institute runs several research activities in collaboration with international and national research institutes/organizations and universities.

The Institute plays a pivotal role in planning and development of the country by generating valuable health and development indicators through large scale nationwide sample surveys at state and district level and is a National Nodal Agency for conducting prestigious surveys like NFHS (DHS-India), DLHS, LASI, SAGE, GATS, and Youth Study. Until 2018, the Institute has trained 3953 students (3275 from India and 678 from 41 different countries) through various courses.

Workshop Overview

In the era of digital data, coding and analytics, students/practitioners of different disciplines must have knowledge of basic coding to venture into the dynamic world of data-driven decision making. 'Introduction to Python Programming' workshop is designed for non-programmers to get the flair of coding that will further help them to undertake advanced-level coding courses in future. Python is a very powerful open-source language, which is capable of doing phenomenal data management and analysis tasks.

Relevance of the Workshop

The learnings are directly applicable to contemporary job roles in corporate/government/non-profit organizations in the field of data handling and analytics. The learnings can be effectively utilized in project/research work as well.

Dates

March 01-05, 2023

Venue

ICT Unit Lab, International Institute for Population Sciences, Govandi Station Road, Deonar, Mumbai-400088, Maharashtra, India

Who can Apply

Research Students/Academicians/Professionals working in the field of applied econometrics/statistics/mathematics/demography/population studies and public health.

Workshop Outcomes

After completion of this workshop, the participants are expected to
- Apply coding and write programs in Python
- Use python coding for string extraction, manipulation and data handling
- Apply different in-built modules such as math, random and Regular Expressions for computation and analysis purpose
- Apply different data analysis modules such as NumPy, Pandas for exploring and analyzing data
- Analyze data using various visual representations and descriptive measures

Intake capacity

Maximum 30

Course fee

Rs.3000/-

What we provide

Access to computer lab, stationary kit, course material in soft form, tea and lunch during workshop days, and certificate on successful completion.

Important Dates

Last date to submit application: 05/02/2023
Announcement of selected candidates: 07/02/2023

Session Details

Day	Session	Topic	Detailed Content
Day 1	Session-1 (90 minutes)	Introduction to Python Programming	Introduction and Installation of Anaconda platform, The Python Shell, Use of a text editor, Jupyter Notebook, Spyder, Executing Python scripts, Basic Syntax, Variables, Data Types, Operators
		Variables, Data Types, Operators	
	Hands-on practice (90 minutes)		
	Session-2 (90 minutes)	Conditional Statements, Looping, Control Statements	Conditional Statements: if, elif, else Nested if-else, catching exceptions "try and except"
			Looping: For, While, Nested loops Control Statements: Break, Continue, Pass
			Control Flow Statements Functions
	Hands-on practice (90 minutes)		
Day 2	Session-1 (90 minutes)	File Handling	File Handling: Opening files, Reading files, Searching through a file, Writing files
		String Manipulation	String Manipulation: Accessing Strings, Basic Operations, String Slices, looping and counting, String Methods, Parsing strings
	Hands-on practice (90 minutes)		
	Session-2 (90 minutes)	Lists Dictionaries Tuples	Lists: Introduction, Accessing Lists, Operations, Working with Lists, Functions and Methods
			Dictionaries: Introduction, accessing values in Dictionaries, Working with Dictionaries, Properties, Functions Tuples: Introduction, Accessing tuples, Operations, Working with Tuples, Functions and Methods
	Hands-on practice (90 minutes)		
Day 3	Session-1 (90 minutes)	Function Modules	Functions: Built-in functions, defining a function, Calling a function, Function Arguments
			Modules: Importing a Module, Math Module, Random Module, Regular Expression Module
	Hands-on practice (90 minutes)		
	Session-2 (90 minutes)	Regular Expressions (RE)	Regular Expressions (RE): Character matching using RE, extracting data using RE
	Hands-on practice (90 minutes)		
Day 4	Session-1 (90 minutes)	NumPy	NumPy Ndarray-Creating NumPy arrays, types of data, the dtype option, intrinsic creation of an array, Operations on NumPy Arrays, arithmetic operators, the matrix product, increment and decrement operators, universal functions (ufunc), aggregate functions, indexing an array, Slicing arrays, iterating an array, shape manipulation, Array manipulation- splitting and joining arrays, Reading and writing array on data files.
	Hands-on practice (90 minutes)		
	Session-2 (90 minutes)	Pandas	Pandas Introduction to Pandas data structures, Creating series, Creating DataFrames, Adding data, Saving DataFrames, Indexing methods, Slicing a DataFrame, Arithmetic methods with DataFrames, Reading and Writing Data, I/O API tools, CSV and Textual files, Reading Data in CSV or Text Files, Writing Data in CSV, Reading and Writing Data on MS-Excel Files
	Hands-on practice (90 minutes)		
Day 5	Session-1 (90 minutes)	Descriptive Analytics using Python	Descriptive Analytics using Python Loading a dataset into Pandas DataFrame, displaying records of the DataFrame, Value Counts and Cross Tabulations, Sorting values by columns, Creating New Columns, Filtering Records Based on Conditions, Summary measures
	Hands-on practice (90 minutes)		
	Session-2 (90 minutes)	Data Visualization using Matplotlib library	Exploration of data using visualization (Using Matplotlib library), Bar chart, Histogram, Distribution or Density Plot, Box Plot, scatter plot, pair plot, correlation and heat map
	Hands-on practice (90 minutes)		

PATRON
Prof. K.S. James, Director & Sr. Professor, IIPS

Workshop Co-ordinators
Prof. S.K. Singh
Prof. Laxmikant Dwivedi
Dr. Preeti Dhillon
Dr. Guru Vasishtha

For any queries, contact: vasishtha@iipsindia.ac.in

Resource Person:

Dr. Tina Dutta

Dr. Tina Dutta is Assistant Professor and FDP Coordinator in the School of Business at AURO University, Surat. By academic training, she is a statistician, a demographer and a social science researcher. She is a Fellow (PhD) from Indian Institute of Management, Calcutta. Dr. Tina has been actively involved in teaching, training and curriculum-development of subjects such as, Business Statistics, Quantitative techniques, Business Analytics, Econometrics, Time-series modeling and forecasting, Research Methodology, Data Science using Python, Data Analytics using Power BI, Operation Research, Value added courses on SPSS, and STATA.

Application link:

Workshop On "Introduction on Python Programming" (google.com)