## Information Brochure



## **PONDICHERRY UNIVERSITY**

(A Central University)
Organizes

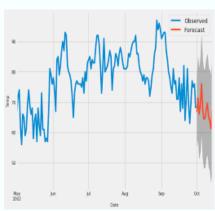
# EXECUTIVE DEVELOPMENT PROGRAM ON

## **DATA SCIENCE with R & PYTHON**

**A Statistical Analytics' Training Program** 

(During 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Weekends of May 2020)







# Hosted by DEPARTMENT OF STATISTICS

Contact Details:

DR. TIRUPATHI RAO PADI

Professor & Training Coordinator

**DEPARTMENT OF STATISTICS** 

 $Ramanujan\ School\ of\ Mathematical\ Sciences,$ 

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#### 1. ELIGIBILITY FOR PARTICIPATION:

Participants of the following categories are considered for getting the Statistical Training on Data Science and Analytics

- ➤ Young Faculty Members of the Colleges/Universities/Higher Learning Institutions
- **Research Scholars** who are pursuing Ph.D. programs,
- **Employees of IT/Data Analytics/** and other related fields
- ➤ Post graduate students of any discipline who are having subjects Mathematics/ Statistics/ Computer Science/Any Engineering course at their graduation level.

#### 2. COURSE CONTENTS:

The contents consist of four modules. Each module is for two days with timings 8.30 am to 6.30 PM (10 hours) / 9.00 am to 7.00 PM (10 hours) in each day training so as total of 20 hours per module.

- ➤ Modules 1&2 are on R programming and Modules 3&4 are on Python Programming.
- ➤ *Module-1*: Basic Data Science Techniques with R Programming
- ➤ Module-2: Advanced Data Science & Data Analytics with R programming
- ➤ *Module-3*: Essential Data Science Tools with Python
- ➤ Module-4: Enhanced Techniques of Data Science & Data Analytics with Python

#### 3. TIME AND DAYS OF TRAINING:

Training program is intended to conduct with four modules on four weekends in the month of May 2020 as follows.

Module No.	Date & Day	Timings	Topic
Module-1	09.05.2020 (Saturday )	8.30 AM to 6.30 PM	<b>Basic Data Science Techniques</b>
Moaute-1	10.05.2020 (Sunday )	9.00 AM to 7.00 PM	with R
Module-2	16.05.2020 (Saturday )	8.30 AM to 6.30 PM	Advanced Data Science & Data
Moaute-2	17.05.2020 (Sunday )	9.00 AM to 7.00 PM	Analytics with R
Module-3	23.05.2020 (Saturday )	8.30 AM to 6.30 PM	<b>Essential Data Science Tools with</b>
Moaute-3	24.05.2020 (Sunday )	9.00 AM to 7.00 PM	Python
Module-4	30.05.2020 (Saturday )	8.30 AM to 6.30 PM	<b>Enhanced Data Science &amp; Data</b>
Mounte-4	31.05.2020 (Sunday )	9.00 AM to 7.00 PM	<b>Analytics with Python</b>

#### 4. FEES & TRAINING CHARGES:

Course fees are based on the modules. Each module has different cost. The participants may choose the course modules as per their requirement. They have a choice of selecting the number of course modules. They have the option of getting training for one/two/three/all four modules by paying the respective mentioned fees.

No.	Date & Day	Topic	Fees	Last Date
Module			(Incl. GST)	for apply
Module-1	09.05.2020 (Saturday )	<b>Basic Data Science Techniques</b>	<b>Rs. 4,000/-</b>	07.05.2020
	10.05.2020 (Sunday )	with R		
Module-2	16.05.2020 (Saturday )	<b>Advanced Data Science &amp; Data</b>	Rs. 5,000/-	14.05.2020
	17.05.2020 (Sunday )	<b>Analytics with R</b>		
Module-3	23.05.2020 (Saturday )	<b>Essential Data Science Tools</b>	Rs. 5,000/-	21.05.2020
	24.05.2020 (Sunday )	with Python		
Module-4	30.05.2020 (Saturday )	<b>Enhanced Data Science &amp; Data</b>	Rs. 6,000/-	28.05.2020
	31.05.2020 (Sunday )	<b>Analytics with Python</b>		

#### 5. MODE OF PAYMENT:

The Selected candidates after their applications can pay the charges on line through net banking, NEFT/IMPS in the name of *The Coordinator*, *STP-DSA* payable at Indian Bank, Pondicherry University Branch, R.V. Nagar, Kalapet, Puducherry 605014. The savings bank account number is **6867639902**, Indian Bank, Pondicherry University Branch, IFSC: IDIB000P152.

#### 6. **RESOURCE PERSONS:**

Resource persons for these training programs are from the faculty members of *Pondicherry University* and the *Experts from Statistical Training, Analytics and Research Consulting Group (STAR Con. Group)*. This group consists of both free lance and permanent consultants of different agencies like Universities, Industries, Consultancy Firms and Corporate Sectors of Data Analytics. All are having very good data handling experience with both open source and proprietary softwares such as R, Python, SAS, SCI LAB, MATLAB, SPSS, MINITAB, etc. The course coordinator is *Dr. Tirupathi Rao Padi, Professor, Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University*. He is having 32 years of teaching experience in the courses of Mathematical Statistics, Applied Statistics, Operational Research and Statistical Computing for both under graduate and post graduate students of different Indian universities.

#### 7. ORIENTATION OF THE TRAINING:

Each module is having a separate training schedule. Participants have to register separately for each module by paying fees separately. Training program for each module will be for 20 hours schedule on Saturday and Sunday as per the mentioned timings. All the theoretical concepts of statistics will be trained by statistics faculty as live demonstration on computers. All the participants should have laptops with compatible operating system to work with latest versions of open source software R and Python. Simultaneous and live practice will be happened along with class room teaching. Participants will be supplied data sets on different platforms and working practice will be provided on the spot. Participants are suggested to attend with their own data sets pertaining to their specific objective of the study.

#### 8. COURSE OBJECTIVES:

The prime objective of these courses is to prepare the data using community for handling multiple and heterogeneous tasks of Data Science. All the resource persons of the courses belong to the Statistics domain. They are having good understanding on the statistical techniques that are using for data science and data analytics. This training is more focused and keeping the specific interests of target groups such as graduate and post graduate students, Research Scholars, Faculty Members of different disciplines, data practitioners, statistical data consultants and many more categories of the similar professions. The latest requirements like Data Acquisition, Data Cleaning, Data Formatting, Database Administration, Database Management, Data Security, Data Updating, Data Analysis, Statistical Data Modeling, Predictive Modeling and Forecasting, Data Mining, Data Visualization, Business Intelligence, etc makes the data science more vital for handling the current needs of data consulting activities.

#### 9. **VENUE OF THE TRAINING:**

Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University, R.V. Nagar, Kalapet, Puducherry (UT), India-605014.

#### 10. ISSUING OF CERTIFICATES:

Certificate of partipation along with result/grade in online exam after completion of course module will be issued to the successful candidates in "Statistical Training Program on Data Science & Analytics" duly signed by the competent authorities of *Executive Development Programme* - Pondicherry University.

#### 11. DEPARTMENT OF STATISTICS:

Statistics department was established in the year 2006 as a separate entity form department of Mathematics. Department is having the sanctioned strength of 9 Faculty members. Currently it consists of 2 professors, 1 Associate Professor, and 4 Assistant professors. 2 positions for associate professor are vacant and the recruitment process was initiated. Faculty members are working on different areas of research namely Applied Probability, Distribution Theory, Stochastic Modeling, Optimization Techniques, Applied Operational Research, Multivariate Data Analysis, Biostatistics, Statistical Inference, Reliability theory, Statistical Quality Control, Survival Analysis, Applied Statistics, Sampling Theory, Designs of Experiments, etc. The venue of training programs is at department of Statistics, Pondicherry University (A Central University), Puducherry - 605014, India. The department is having the entire necessary infrastructure to provide effective statistical training programs.

#### 12. ABOUT EXECUTIVE DEVELOPMENT PROGRAM:

Pondicherry University was established in 1988 under the act of parliament, Govt. of India. Executive Development Program of Pondicherry University with new guidelines was introduced from the Academic Year 2019-20. The objective of this program is to have industry university interaction to identify the needs of the industry so as possible remedial services shall be extended from the university. It is an imitative of the Pondicherry University to extend the community out reaching with different stake holders of the university. The activities like conduct of short term training programs, skill development workshops, knowledge sharing conferences, extending university intellectual interaction with outside users in applied domains are the targeted with different categories of people of university. As a part of this our university is coordinating the programs pertaining to academic, research, capacity building, consultancy, skill enhancement, updating the curriculum as per the societal needs, etc.

13. **Schedules of the programme:** the total program is having four separate schedules for each separate course module.

## **SCHEDULE OF MODULE-1**

BASIC DATA SCIENCE & ANALYTICS WITH R							
Day /Session/ Time Course Contents Details of the contents							
Day-1 (1stSaturday): 8.30 AM to 6.30 PM							
	08.30 AM to 09.00 AM: Regi	stration & Inauguration					
Day-I/ 08.30 AM - 09.00 AM	Registration &Inauguration	Declaration on Orientation of Workshop/ Skilled Training / Capacity Building by the coordinator and introduction of resource persons					
Day-I/ Session-1 09.00AM to 11.00AM	Basic Statistics	<ol> <li>Measures of Central Tendency</li> <li>Measures of Dispersion, Skewness         &amp;Kurtosis</li> <li>Ordinal/Positional Measures</li> <li>Relative/Ratio Measures</li> <li>Frequency Tables</li> <li>Correlations and Regression</li> <li>Association Measures</li> </ol>					
	11.00 AM to 11.15 AM	1: Morning Tea Break					
Day-I/ Session-2 11.15AM to 1.15PM Day-I/	Explanatory Data Analysis - EDA  01.15 PM. to 02.00 Introduction to R-I	1. R/R-Studio as a statistical Software and					
Session-3 02.00 PM to 04.00PM		Language 2. Functions in R 3. Packages in R 4. Data frames 5. Qualitative and Quantitative data Measures 6. Fundamental of the R Language 7. Basic commands in R Programming 8. Functions in R 9. Data preparations with R					
	04.00 PM to 04.15PN	1: Evening Tea Break					
Day-I Session-4 04.15PM to 05.45PM	Introduction to R-I	<ol> <li>Importing Data into R</li> <li>Exploring your dataset</li> <li>Basic operations with a Data Frame</li> <li>Filtering a Data Frame</li> <li>Building Data frames</li> <li>Merging Data Frames</li> <li>Subscripts with Arrays &amp; Lists</li> <li>Plots and their interpretations</li> </ol>					
Day-I Session-5 05.45PM to 06.30PM	Participant's Interactions	Discussions & Case study					

	Day-2 ( 1 <sup>st</sup> Sunday): 9.00 AM to 7.00 PM					
Day-II/	Statistical Modeling –	1.	What is linear regression?			
Session-1	Basic Concept	2.	Why Linear Regression?			
09.00AM to 11.00AM	Busic Concept	3.	· · ·			
05.007 NVI to 11.007 NVI		4.	Scatter plot			
		5.	Measures of association – Covariance –			
			Correlation coefficient			
		6.	Simple linear regression – Fitting a regression			
			line – Interval estimation & Prediction – Basic			
			tests			
		7.	What is Collinearity?			
		8.	1 3			
	11.00 AM to 11.15 AM:	Mornir	-			
Day-II/	Data Mining, Cleaning/	1.	Databases handling			
Session-2	Wrangling	2.	Fetch and retrieve the data			
11.15AM to 01.15PM		3.	Connect various databases into R			
		4.	Missing Value Mechanisms & Patterns			
		5.	When can be Missing Values Ignored?			
		6.	List-Wise & Pair-Wise Deletion			
		7.	Missing Value Imputation Methods			
	01.15.77.5	8.	Outliers			
	01.15 PM to 02.00PM	M: Lun				
Day-II/	Statistical Linear	1.	Statistical model building – Linear			
Session-3	modeling with R		regression model with Business Problem			
02.00 PM to 04.00PM	Practicum	2.	Validation of the model – Linear			
			Regression			
		3.	Interpretation of the summary on Linear			
			Regression			
	04.00 PM to 04.15P	M: Eve	ning Tea Break			
Day-II	Statistical Logistic	1.	Statistical model building – Logistic			
Session-4	modeling with R		Regression model with Business Problem			
04.15 PM to 05.15PM	Practicum	2.	Validation of the model – Logistic			
			Regression			
		3.	Interpretation of the summary on Logistic			
			Regression			
Day-II, Session-5, 5.15PM	Interaction	1.	Discussion on the Data sets of the			
to 6.00 PM			participants, Statistical Data Analysis			
			Planning			
Day-II, Session-6, 6.00	Examination & Screening	1.				
PM to 6.30 PM	Test		declaration of results and grades			
06.30 PM to 7.00 PM: Valedictory, Issue of Certificates & Feedback						

## **SCHEDULE OF MODULE-2:**

CONEDCEE OF MODULE 2.							
ADVANCED DATA SCIENCE & DATA ANALYTICS WITH R							
Day /Session/ Time Course Contents Details of the contents							
	Day-1 (2 <sup>2d</sup> Saturday): 8.30 AM to 6.30 PM						
08.30 AM to 09.00 AM: Registration & Inauguration							
Day-I/ Registration Declaration on Orientation of Workshop/ Skilled							
08.30 AM - 09.00 AM &Inauguration Training / Capacity Building by the coordinator and							
introduction of resource persons							
Day-I/Session-1 Basic Statistics 1. Measures of Central Tendency							

09.00AM to 11.00AM		2. Measures of Dispersion, Skewness& Kurtosis
		3. Ordinal/Positional Measures
		4. Relative/Ratio Measures
		5. Frequency Tables
		<ul><li>6. Correlations and Regression</li><li>7. Association Measures</li></ul>
	11 00 AM to 11	1.15 AM: Morning Tea Break
Day I/Cassian 2	Data Science	1. Introduction: What is Data Science? - Current
Day-I/Session-2 11.15AM to 1.15PM	Data Science	landscape of perspectives - Skill sets needed
11.15AM to 1.15PM		2. Data Science hype – Why now?
		3. Supervised learning
		4. Unsupervised Learning
		5. Topics covered in Supervised learning
		6. Topics covered in unsupervised learning
	01.15 PM. 1	to 02.00PM: Lunch Break
Day-I/Session-3	Requirements of	1. Data preparations with R for ML
02.00 PM to 04.00PM	Good Machine	2. Analysing data
	learning System	3. Patterns identification
	and ML in $R - I$	4. Prediction
		5. Conclusion
		04.15PM: Evening Tea Break
Day-I/ Session-4	ML in R – II	1. Classification
04.15PM to 05.45PM		2. Regression
Day-I/Session-5	Interaction of	1. Discussions, Case studies, data sets of participants,
5.45 PM to 6.30 PM	Participants	Statistical Analysis Planning, etc.
	Day-2 ( 2 <sup>nd</sup> Sun	day): 9.00 AM to 7.00 PM
Day-II/Session-1	ML in R – III	1. Concepts in Unsupervised learning
09.00AM to 11.00AM	<b>Un-Supervised</b>	2. Unstructured data
	Learning - I	3. Why Linear Regression?
		4. Logistic regression
	1	5. Clustering
		5 AM: Morning Tea Break
Day-II/Session-2	ML in R – IV	1. Text Mining
11.15AM to 01.15PM	Un-Supervised	2. Sentimental analysis
	Learning-II	3. Targeted Marketing
	01.15 PM to	02.00PM: Lunch Break
Day-II/Session-3	Data Analytics	1. Test Dataset
02.00 PM to 04.00PM	with R-1	2. Validation dataset
		3. Training Dataset
	0.4.00 TDN/f.4	
D 11/G : 4		04.15PM: Evening Tea Break
Day-II/ Session-4	Data Analytics	1. Statistical model – Logistic Regression model with
04.15 PM to 05.15PM	with R-2	Business Problem
		2. Validation of the model – Logistic Regression
		3. Interpretation of the summary on Logistic Regression
Day-II/ Session-5 5.15PM	Interaction	Discussion on the Data sets of the participants,
to 6.00 PM		Statistical Data Analysis Planning
Day-II/ Session-6	Examination &	1. Online examination, evaluations, and declaration of
6.00 PM to 6.30 PM	Screening Test	results and grades
U6.30	rivi to 7.00 Pivi: Va	ledictory, Issue of Certificates & Feedback

## **SCHEDULE OF MODULE-3**

E	ESSENTIAL DATA SCIENCE TOOLS WITH PYTHON					
Day /Session/ Time	Course Contents	Details of the contents				
		rday): 8.30 AM to 6.30 PM				
		M: Registration & Inauguration				
Day-I/	Registration	Declaration on Orientation of Workshop/ Skilled				
08.30 AM - 09.00 AM	&Inauguration	Training / Capacity Building by the coordinator and				
		introduction of resource persons				
Day-I/Session-1	Basic Statistics	1. Measures of Central Tendency				
09.00AM to 11.00AM		2. Measures of Dispersion, Skewness & Kurtosis				
		3. Ordinal/Positional Measures				
		4. Relative/Ratio Measures				
		5. Frequency Tables				
		6. Correlations and Regression				
		7. Association Measures				
		1.15 AM: Morning Tea Break				
Day-I/Session-2	Explanatory Data	Data Validation and Quality				
11.15AM to 1.15PM	Analysis - EDA	2. Data Cleaning & Analyzing the data				
		3. Transformation to explore data				
		4. Patterns and models				
		5. Process & Visualize the data				
	01 15 DW 4	6. Bar plot, Box plot, Correlation Plot				
D I/C 2		to 02.00PM: Lunch Break				
Day-I/Session-3 02.00 PM to 04.00PM	Introduction to	Significance and installation of Python     Walking applies and attachments.				
02.00 PM to 04.00PM	Python	2. Values, variables and statements				
		3. Conditional executions  4. Iterations like while posted for infinite loops				
		<ul><li>4. Iterations like while, nested, for, infinite loops</li><li>5. Functions</li></ul>				
		6. Lists, objects, custom types,				
		7. Imports and exports of files in Python				
	04.00 PM to 0	04.15PM: Evening Tea Break				
Day-I/ Session-4	Basic Model	1. What & why Linear regression?				
04.15PM to 05.45PM	Building	2. What & why Logistic Regression?				
0 11101111	Concepts with	3. Bivariate data				
	Python	4. Scatter plot				
		5. Measures of association Covariance/				
		Correlation coefficient				
		6. Simple linear regression – Fitting a regression line				
		<ul> <li>Interval estimation &amp; Prediction – Basic tests</li> </ul>				
		7. What is Collinearity?				
		8. Concept and why Dummy Variables?				
Day-I/Session-5	Participant's	1. Discussions & Case study				
05.45PM to 06.30PM	Interactions					
		day): 9.00 AM to 7.00 PM				
Day-II/Session-1	Data Cleaning/	1. Missing Value Mechanisms & Patterns				
09.00AM to 11.00AM	Wrangling	2. When can be Missing Values Ignored?				
		3. Case Analysis				
		4. List-Wise & Pair-Wise Deletion				
		5. Missing Value Imputation Methods				

	6. Outliers							
	11.00 AM to 11.15 AM: Morning Tea Break							
Day-II/Session-2	Data handling	1. Databases handling						
11.15AM to 01.15PM		2. Fetch and retrieve the data						
		3. Connect various databases into Python						
	01.15 PM to	02.00PM: Lunch Break						
Day-II/Session-3	Statistical	1. Statistical model building – Linear regression						
02.00 PM to 04.00PM	Linear	model with Business Problem						
	modelling with	2. Validation of the model – Linear Regression						
	Python	Interpretation of the summary on Linear						
	Practicum	Regression						
	04.00 PM t	o 04.15PM: Evening Tea Break						
Day-II; Session-4	Statistical	1. Statistical model building – Logistic Regression						
04.15 PM to 06.15PM	Logistic	model with Business Problem						
	modeling with	2. Validation of the model – Logistic Regression						
	python	Interpretation of the summary on Logistic						
	Practicum	Regression						
Day-II/ Session-5	Interaction	1. Discussion on the Data sets of the participants,						
5.15 PM to 6.00 PM		Statistical Data Analysis Planning						
Day-II/ Session-6	Examination &	1. Online examination, evaluations, and						
6.00 PM to 6.30 PM	Screening Test	declaration of results and grades						
06.30 PM to 7.00 PM: Valedictory, Issue of Certificates & Feedback								

## **SCHEDULE OF MODULE-4**

ENHANCED TECHNIQUES OF DATA SCIENCE & DATA ANALYTICS WITH PYTHON							
Day /Session/ Time	n/ Time Course Contents Details of the contents						
	Day-1 ( 4 <sup>th</sup> Saturday): 8.30 AM to 6.30 PM						
	08.30 AM to 09.00 A	M: Registration & Inauguration					
Day-I/	Registration	Declaration on Orientation of Workshop/ Skilled					
08.30 AM - 09.00 AM	&Inauguration	Training / Capacity Building by the coordinator and					
		introduction of resource persons					
Day-I/Session-1	Python	1. Strings					
09.00AM to 11.00AM	programming	2. Classes					
		3. Dates and its challenges in conversions					
	4. Operators						
	5. Data extraction and cleaning in python						
	11.00 AM to	11.15 AM: Morning Tea Break					
Day-I/Session-2	Statistics	1. Normal Distribution, Binominal & Poisson					
11.15AM to 1.15PM		distribution					
		2. Testing of Hypothesis, Null hypothesis, Alt					
		hypothesis, p-value					
		3. Z-test, Chi-square test, F-test, t-test					
	4. Curve Fitting &Principle of Least square						
	5. S.E, one & two-tailed test, parameter and statistics,						
	sample and population 6. Theory of Estimation						

		7. Statistical Inference				
	01.15 PM	. to 02.00PM: Lunch Break				
Day-I/Session-3	FORECASTING	1. Forecasting Analytics – 1				
02.00 PM to 04.00PM	ANAYTICS	2. Why forecasting				
		3. Data collection				
		4. Data Quality				
		5. Time series components				
		6. Additive and Multiplicative model				
	04.00 PM to	04.15PM: Evening Tea Break				
Day-I/ Session-4	TIME SERIES	Application with Python in Time series				
04.15PM to 05.45PM	ANALYSIS	Practical Example				
Day-I/Session-5	Participant's	Discussions & Case study				
05.45PM to 06.30PM	Interactions	, and the second				
	Day-2 ( 4 <sup>th</sup> Su	nday): 9.00 AM to 7.00 PM				
Day-II/Session-1	Python	1. Important Libraries				
09.00AM to 11.00AM		2. Object creation				
		3. Data frames				
		4. Basic statistics with Python commands like mean,				
		histogram				
		5. Joining, Reshaping, Stack, Grouping				
		6. Pivot tables, plotting, selection, operations				
	11.00 AM to 11	.15 AM: Morning Tea Break				
Day-II/Session-2	Data	1. What is Data visualization?				
11.15AM to 01.15PM	Visualization	2. Why Data visualization in Data Science				
		3. DV in excel				
		4. DV in Tableau				
		5. Basic Tableau				
		6. Example in DV with Excel and tableau				
	01.15 PM to	o 02.00PM: Lunch Break				
Day-II/Session-3	Practicum ML	1. End to End project				
02.00 PM to 04.00PM	with Python	2. Define Problem				
		3. Prepare Data				
		4. Evaluate Algorithms				
		5. Improve Results				
		6. Present Results				
04.00 PM to 04.15PM: Evening Tea Break						
Day-II; Session-4	Practicum KNN	1. k-nearest neighbours				
04.15 PM to 05.30 PM	with Python	2. practical examples with KNN				
	•	3. end to end KNN project with Python				
Day-II/ Session-5	Interaction	1. Discussion on the Data sets of the participants,				
5.30 PM to 6.00 PM		Statistical Data Analysis Planning				
Day-II/ Session-6	Examination &	1. Online examination, evaluations and declaration of				
6.00 PM to 6.30 PM	Screening Test	results and grades				
06.3	30 PM to 7.00 PM: V	Valedictory, Issue of Certificates & Feedback				

#### **APPLICATION FORM**

(Click on the following link for online enrolment)

https://docs.google.com/forms/d/1lgR05cn3VwNOLCgtYWJRxxfRpPfSjqIS5BCVNf MG3A/edit

# **DATA SCIENCE with R & PYTHON**

## A STATISTICAL ANALYTICS TRAINING PROGRAM

**Activity Under** 

### **EXECUTIVE DEVELOPMENT PROGRAM**

PONDICHERRY UNIVERSITY - DEPARTMENT OF STATISTICS

				, = 0 = 10 = 1 = 10 = 1		
Name of the Participant	:					
Gender (Male/Female)	:					
Educational Qualifications	:					
Current Status PG Student/ Research Scholar/ Young Faculty/ IT Employee/Any Other (Specify)	:					
Address of the Current Affiliation	:					
Email Id(s)	:					
Contact Number(s)	:					
Mailing/ Correspondence Address	:					
Preferred Course Module to Get Training (Tick on either one/two/ three/ all course modules)	:	Module-1 with R Programming	Module-2 with R Programming	Module-3 with PYTHON	Module-4 with PYTHON	
Dates of Participation	:	9 <sup>th</sup> ,10 <sup>th</sup> May 2020 Sat.day, Sunday	16 <sup>th</sup> ,17 <sup>th</sup> May 2020 Sat.day, Sunday	23 <sup>rd</sup> ,24 <sup>th</sup> May2020 Sat.day, Sunday	30 <sup>th</sup> ,31 <sup>st</sup> May 2020 Sat.day, Sunday	
Mode of Payment (*Online transfer NEFT/ D.D.)	:					
*NEFT/DD in favour of <b>The Coordinator, STP-DSA</b> , Account Number: <b>6867639902</b> , payable at Indian Bank, Pondicherry University branch, Puducherry, IFSC: IDIB000P152)						
Details of Payment	:					
Amount Paid						
Module-1:R Rs.4,000/- :						
Module-2:R Rs.5,000/- :						
Module-3: PYTHON Rs.5,000/-:						
Module-4:PYTHON Rs.6,000/-:						

Signature of the Candidate