

**One-week Short Term Training Program (STTP) on “DATA  
SCIENCE APPLICATIONS and PRACTICES IN “R” ” 13-18  
DECEMBER 2017**



**One Week Short Term Training  
Program (STTP)  
on**



**“DATA SCIENCE APPLICATIONS and PRACTICES IN “R” ”  
13-18 DECEMBER 2017**

**Organized by  
INFORMATION TECHNOLOGY DEPARTMENT, MJCET  
in collaboration with  
IEEE-MJCET SB, Hyderabad**

**Theme of Training Program:**

The goal of the STTP is to provide a forum for exchanging the ideas and share the knowledge on current Research challenges/issues in the real world with an emerging area of Data Science. There are lots of software available today for data analysis today: spreadsheets like Excel, SAS, SPSS and so on. The packages SPSS, GAUSS, SAS are expensive, and Excel is cumbersome at large file sizes. R is now the leading tool for statistics, data analysis, and machine learning. It is more than

a statistical package as it provides a wide variety of statistical and graphical techniques, and is highly extensible.

This STTP is designed for those who want to have deep understanding of machine learning techniques with implementation in R Language and wish to apply these techniques in Big Data. This STTP facilitates hands-on experience with different case studies using Machine Learning with the help of R-Programming tool to solve real world problems.

It will be complete **Three days Hands-On Session on " R Language"** and following topics would be focused during STTP:

- 1. Introduction to Data Science and R**
- 2. Data Classification Methods**
- 3. Data Science using Python\***
- 4. Overview of Logistic Regression Models**
- 5. Data Science in Insurance**
- 6. R Installation and Programming\***
- 7. Importing and Exporting data\***
- 8. Data Manipulation and Data Frames\***
- 9. Exploratory data Analysis and Graphics\***
- 10. Predictive Modeling using Machine Learning in R\***
- 11. Graphics using R \***
- 12. Case Studies & Research outlook using R\***

**\*Hands-On Session**

Faculties/ Students/ Research Scholar are invited to be a part of STTP and should get registered before **05th December 2017**.

Please use the following link for registration.

<https://in.explara.com/e/sttpdatascience>

### **Venue**

**MJCET Seminar Hall, Block-4**

**Muffakham Jah College of Engg. and Tech.**

**Road No. 3, Banjara hills, Hyderabad**

### **Registration Fees**

<b>Participants</b>	<b>IEEE</b>	<b>Non-IEEE</b>
<b>Academician</b>	<b>1600/-</b>	<b>1800/-</b>
<b>Student(PhD/PG/UG)</b>	<b>1000/-</b>	<b>1300/-</b>
<b>Industry</b>	<b>4000/-</b>	<b>6500/-</b>

### **Important note**

- Registrations are limited to **50 PARTICIPANTS** on first come, first served basis and last date for registration is **05th Dec 2017**.
- The payment should be made online by visiting the URL:  
<https://in.explara.com/e/sttpdatascience>
- Registration includes program kit, working lunch, high tea and certificate.
- The selected participants will be intimated through email/phone.

### **Target Audience**

- Academicians
- Graduate students/Research scholars in related functional areas.
- Professional working in related functional areas.
- Undergraduate students on recommendation of HoD.

### **Address for Correspondence**

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