ONE DAY NATIONAL WORKSHOP
ON BUSINESS ANALYTICS AND VISUALIZATION IN ‘R’ LANGUAGE

Date
10th February 2020
REGISTRATION FORM

Name:

Designation:

Organisation/Industry:

Address:

City:
State:
PIN:
Details of Fees paid:
Bank Draft No:

Dr.____

Signature:

Date:

Organized by

DEPARTMENT OF COMMERCE - SHIFT II
ST. JOSEPH’S COLLEGE (AUTONOMOUS)

St. Joseph’s College (Autonomous),
Tiruchirappalli-620002, Tamil Nadu.

About St. Joseph’s College

St. Joseph’s College is located in Tiruchirappalli, Tamil Nadu, India. The institute was established in 1844. The autonomous institute is accredited A++ grade by NAAC. It was affiliated to Madras University in 1869 and is currently an affiliated first grade college of Bharathidasan University. It is the only college in Tamil Nadu awarded with “Heritage Status” by UGC of India. This Jesuit College trains young men and women of quality to be leaders in all walks of life so that they may serve the people of the nation in truth, justice and love. The college has been running with the motto of Pro Bono UT Vero (for the Good and the True). St. Joseph’s College has produced a number of rare and remarkable geniuses, of whom the crown is the Former President of India, His Excellency, Ibarsat Rana Dr. A. P. J. Abdul Kalam. Apart from regular syllabi inculcate in the students through courses in Ethics/Religion, basic moral, social and spiritual values necessary for building up character and developing personality.

About the Department

The Department of Commerce was started in the year 1948, for offering the three-year B.Com degree course with the motive of inculcating professional ethics and competency in business and management. The B.Com course has been offered in Shift-II since 1972. The department is very proud to have introduced and taught Card Punching, BASIC, COBOL and FORTRAN, the most popular computer languages as early as 1970s. The department is the pioneer in introducing courses on business ethics, computer languages and applications and accounting software in the state. The department has the distinction of introducing courses for holistic development of individuals with social thrust. The department prepares students to pursue professional courses such as CA, CMAs and ACS through feeder courses.

About the Workshop

Today, millions of analysts, researchers, and brands such as Face book, Google, Bing, Accenture, Wipros are using R to solve complex issues. R applications are not limited to just one sector; we can see R programming in banking, e-commerce, finance and many more. Data Science is most widely used in the financial industries. R is the most popular tool for this role. This is because R provides an advanced statistical suite that is able to carry out all the necessary financial tasks. With the help of R, financial institutions are able to perform downside risk measurement, adjust risk performance and utilize visualizations like Candlestick charts, density plots, drawdown plots, etc. R is widely being used for credit risk analysis at ANZ and portfolio management. So the faculty of the department has planned to organize the workshop to meet the need of the hour to develop the analytical skills of the professors, research scholars and so on.

Who Should Attend:

As this workshop is not meant for subject-specific, teaching faculty from all colleges (engineering, sciences, arts, commerce, management, law, medicine, etc.), can attend.

Teachers registered in any Masters programme, and Research Scholars can also participate. The limited seats are available in the workshop; first come first serve basis.

Criteria for Certification:

Participation certificates will be provided to all the participants after successful completion of the workshop.

Course Fee:

Every participant has to pay Rs. 500 as the course fee and that fee would be deducted from the cost of organizing the workshop (which includes lunch and coffee/tea).

Registration: Registration fee is to be paid through a Demand Draft, drawn in the favor of Principal, St. Joseph’s College, payable at Tiruchirappalli. The interested participants are asked to confirm their registration on or before 1st February 2020.

Content of the workshop:

- Introduction to basics of R
- Introduction to data frames in R
- Introduction to R Studio
- Introduction to R Script
- Working Directories in R Studio
- Indexing and Slicing Data Frames
- Creating Matrices using Data Frames
- Operations on Matrices and Data Frames
- Merging and Importing Data
- Data Types and Factors
- Lists and its Operations
- Plotting Histograms and Pie Chart