

# Big Data Analytics Using R

Big Data Analytics Plays important role in present day Data world. Analytics with R utilizes the open source software R for the analysis, exploration, and simplification of large high-dimensional data sets. The program provides hands on R tool, guidance to model and interpret complicated data and become adept at building powerful models for prediction.

## Session-wise Schedule

Session	Big Data Analytics Using R
1	Introduction to Big Data Analytics and its Importance, Basics of Statistics.
2	Importance of R and Basics of R Data Manipulation & Data Handling.
3	Data Visualization - I- Line Plots, Bar Plots, Stacked Bar plots, Pie chart, scatter charts, box plots, histograms, heat maps, Tabulation of data.
4	Data Visualization - II- One way & Two way tables, cross tabulation.
5	Hypothesis Testing - One Sample T test, Two Sample T test, One Way Anova.
6	Paired Sample T test, Chi Square test - Goodness of Fit & Test of Independence
7	Multiple Linear Regression - Procedure, Model Fitting
8	Predictive Modeling, Excel and R Integration

## Big Data Analytics using R - Project Contest

Participants are expected to submit a Case study or Project with implementation using R tool by 24-12-2016. Top two projects will receive attractive prizes.

## Resource Persons

**Mr. C. Sudhakar**

CEO for RaskeySoft, CSI SIG Big Data Analytics -EC Member & Treasurer

**Dr. D.V. Ramana**

Independent Consultant - Wissen Infotech  
CSI SIG Big Data Analytics -EC, MC member for CSI Hyderabad Chapter

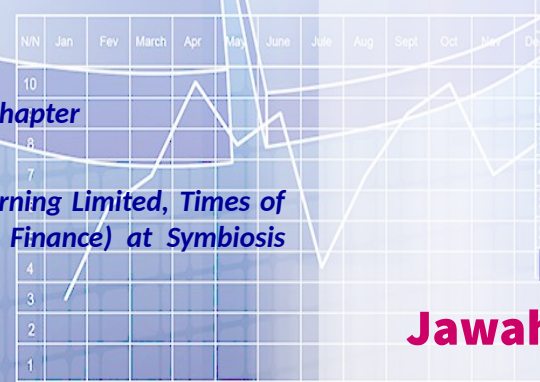
**Mr. Rajesh Prabhakar Kaila**

Program Consultant (Business Analytics), Times Center for Learning Limited, Times of India Group, Visiting Faculty Member (Business Analytics & Finance) at Symbiosis International University, Hyderabad.

**Dr. A.V.Krishna Prasad**

Faculty of CSE Dept, MVSR Engineering College, Hyderabad,  
MC member for CSI Hyderabad Chapter

Changes in the activity



Two Day Workshop on

# Big Data Analytics using

(December 16th & 17th 2016)



## On the Eve of Golden Jubilee Celebrations of JNTUHCEH

**Organized By**

**Department of CSE, JNTUH College of Engineering,  
and CSI SIGBDA**



**Venue**

**Department of CSE, JNTUHCEH,  
Jawaharlal Nehru Technological University  
Kukatpally, Hyderabad, TELANGANA-500016.**



## About CSI

Formed in 1965, the CSI has been instrumental in guiding the Indian IT industry down the right path since its formative years. Today, the CSI has 73 chapters all over India, 500 plus student branches, and more than 1 Lakh members including India's most famous IT industry leaders, brilliant scientists and dedicated academicians. The mission of the CSI is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community. The CSI is also working closely with other industry associations, government bodies and academia to ensure that the benefits of IT advancement ultimately percolate down to every single citizen of India.

## About CSI SIG BIG DATA

Formed in 2014, CSI Special Interest Group on Big Data Analytics aims to promote BDA activities, including training programs and workshops at national and international levels. It will provide a forum to promote interactions on BDA among the interested members of academia, government and industry. SIG-BDA has planned to impart training courses workshops for professionals, faculty members and students.

CSI- Special Interest Group Big Data Analytics

Sl.No.	Name	Designation
1	Prof. C. R. Rao	Honorary Chairman
2	Prof.S.Pyne	Chairman & Convener
3	Shri Gautam Mahapatra	Vice Chairman
4	Mr.Chandra Sekhar Dasaka	Secretary
5	Prof. C.Sudhakar	Treasurer
6	Dr D.V.Ramana	EC Member

## Bank Account Details

Account Name: Computer Society of India, Hyderabad chapter  
SBI A/C NO: 34200480145; IFSC CODE: SBIN0007074  
Branch: M.I.D.C. ANDHERI (EAST) Mumbai.

For further details of the workshop & online registration visit -  
<http://jntuhceh.org> or <http://csihyderabad.org> or <http://csi-sig-bda.org>  
Contact by email: [analyticsusingr@gmail.com](mailto:analyticsusingr@gmail.com)

## About JNTUHCEH

The College was established as Nagarjuna Sagar Engineering College in 1965 by the Government of Telangana. When the college was under the administrative control of the Department of Technical Education, it was affiliated to Osmania University, Hyderabad. With the formation of Jawaharlal Nehru Technological University on 2nd October 1972, it became a constituent college of the University and was later renamed as JNTU College of Engineering, Hyderabad. From its inception in 1965 to 1984, the College was located at Masab Tank Campus. In 1984, the College was shifted to its permanent location at Kukatpally, a 100 acres site, about 20 km from the heart of the City, on Bombay National Highway (NH-9).

The Department of Computer Science and Engineering was initially a part of Electronics and Communication Engineering Department. In 1984 the Department started functioning as an independent Department. The Department has started various other courses B. Tech (Reg.) course was started in the year 1984. The other courses run by the CSE department are Master of Computer Applications(MCA) in 1997 M.Tech(Computer Science), M.Tech(Computer Science and Information Engineering), M.Tech (CS-PTPG), Integrated Programme - IDP (B. Tech + M. Tech/MBA) in 2009, Integrated Dual Degree Programme - IDDMP(B.Tech+M.Tech) in 2010 and International Integrated Dual Degree Programme - IIDDMP(B.Tech+M.Tech) in 2012.

## Registration

**CSI Members:** Rs.3500/- participants from Academy and Industry.  
Rs.1500/- for student participation.

**Non-CSI Members:** Rs.4000/- participants from Academy and Industry.  
Rs.2000/- for student participation.

**Discount** of Rupees 500/- for registrations before December 07<sup>th</sup>, 2016

**Group Discount** of Rupees 500/- for each participant if more than three from a single organization.

**Limited number of Registrations.** Participant must bring your own laptop with R software. Registration fee covers Course-ware, Lunch and High Tea.

## Workshop Coordinators

1. Dr.K.P.Supreethi, Faculty of CSE Dept, JNTUHCEH.
2. Dr A.V.Krishna Prasad, Faculty of CSE Dept, MVSR Engg. College, CSI MC Member.