



**All India Council for
Technical Education
(AICTE)
and
The Indian Society for
Technical Education
(ISTE)
Sponsored
One Week
Induction/Refresher
Program
on**

**“BIG DATA ANALYTICS USING R-TOOLS”
02.07.2018 to 07.07.2018**

REGISTRATION FORM

Name: _____

Designation: _____

Department: _____

Name of the Institution: _____

Correspondence Address: _____

PIN code _____

Mobile No: _____

E-Mail: _____

Accommodation Required: Yes/No

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Secretary & Correspondent, KITSW
Sri P. Narayana Reddy
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Dr. P. Niranjan, Prof. & Head, Dept. of CSE

Co-coordinator

Sri S Kiran, Asst. Prof., Dept. of CSE

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NIT, Warangal.
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Research and consultancy services, New Delhi.
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Dept of CSE, KITS, Warangal
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Dept of CSE, KITS, Warangal



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Coordinator
Dr. P. Niranjan, Prof. & Head, Dept. of CSE

Mobile: 9849270755.

Co-coordinator
Sri S Kiran, Asst. Prof., Dept. of CSE

Mobile: 9533555553.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Kakatiya Institute of Technology & Science (KITS)
(An Autonomous Institute under Kakatiya University, Warangal)
Opp: Yerragattu Hillock, Hasanparthy (M),
Warangal-506015 (T.S.), INDIA.
Tel (0870) 2564888, Fax: (0870) 2564320
Website: www.kitsw.ac.in

ABOUT THE INSTITUTE:

Kakatiya Institute of Technology & Science, popularly known as KITS, was established in the year 1980. KITS is the flagship institute sponsored by Ekasila Education Society, Warangal, whose primary objective is to establish and manage a variety of educational institutions with highest quality and thus to provide quality human resources. The institute is permanently affiliated to Kakatiya University, Warangal and recognized by AICTE. UGC, New Delhi has granted Autonomous status to KITS, Warangal from 2014-15 academic year. The institute has its own campus covering an area of 67 acres of land. It is offering undergraduate courses in seven branches of engineering and seven post graduate programs. Four departments have been recognized as Research Centres for Ph.D. Programme. All seven UG Programmes are accredited by NBA and the institute has conducted seminars, symposiums, conferences in the past.

Few of the Milestones of the Institute:

- ❖ KITSW is AAA+ rated institute among best Engineering Colleges in India by careers360.com from the year 2014.
- ❖ Ranked second best Engineering College in the State of Telangana among all private Engineering colleges in India.
- ❖ NIRF (MHRD, Govt. Of India) ranked KITSW among 151-200 band among Engineering institutes in India for the year 2017.
- ❖ AICTE-CII Survey of Industry linked technical institutions ranked KITSW as Gold Institute for the year 2017.

Warangal city, is just 150 kms from State capital city, Hyderabad. The institute is located at 13 Kms and 20 Kms from Kazipet and Warangal railway stations respectively, on Warangal-Karimnagar highway

ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering, which has a fine blend of renowned as well as Experienced and dynamic personalities as faculty, is involved in providing quality education at

both Undergraduate (UG) and Postgraduate (PG) levels. It has a broad based UG curriculum and specialized M-Tech. The syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology and Industries. It also offers high quality research in the Doctoral programs.

The department has strong industry interaction and has been involved in development of state-of-art products for Industry. It has extensive fabrication, calibration and testing facilities for carrying out industry sponsored research and consultancy projects.

The **Department is accredited by NBA**, New Delhi and has well equipped laboratories to cater the needs of the students.

To expose the students to the current trends in the areas of Information Technology and allied ones, the department conducts a National level student's Technical Symposium in every academic year and facilitates internships. To bridge the gap between institute and industry, department organizes guest lectures and Workshops periodically on industry related tools and techniques.

ABOUT THE PROGRAM:

This program is designed to meet the learning needs with respect to big data analytical tools. It provides foundation level training that enables immediate and effective participation in big data and other analytics projects. The programme also provides hands on R, and an introduction to big data analytics technology and tools, including Map Reduce and Hadoop that guides to build powerful models for prediction and interpret complex data.

TOPICS:

R Programming using R-Console and R-Studio. Programming Constructs in R, Reshaping and Transformation of Data, Extraction of Live Data from social networks and Analytics of Web Data, JSON, CSV and XML, Data Science and Statistical Analytics, File conversion and Missing Value Treatment in R for Effectual PreProcessing, Analyzing Real Time Streaming Data, Text Mining and Sentiment Analysis, Decision Trees and Rule Mining, Machine Learning and Predictive Mining, Data

Exploration and Visualization Programming for Bio-Informatics Data Analysis, Interfacing NoSQL Databases with R, Programming Map-Reduce and Parallel Computing, pbDR Toolboxes and Packages, Interfacing Python and R, Deep Learning and Convolution Neural Networks.

OBJECTIVES OF THE PROGRAM:

To provide an opportunity for faculty members employed in Engineering colleges, Research Institutions, and Industry, for building and nurturing best analytical practices on cutting-edge technologies in the area of Big Data Analytics.

Benefits to the Faculty:

The proposed program will enrich the knowledge of faculty members on latest techniques, tools of big data analytics and is apart from regular curriculum, in turn, they can better train the students in this area. It can be used to pursue research interests of certain faculty members. Further, it can be also used to take up some sponsored research projects and industrial consultancy

ELIGIBILITY:

This program is open to faculty members from various Engineering and MCA colleges, Research scholars and M.Tech students working in the Field of DataAnalytics.

Pre-requisite:

Basic knowledge of Data Mining, Big Data Analytics.

Maximum number of Participants is limited to 40.

Reference Materials will be provided.

***Mail the scanned copies of filled-in and duly signed application form to**

Email: bigdatausingrtools@gmail.com

ACCOMMODATION:

Accommodation is available for members within the college premises.

IMPORTANT DATES:

Last date of receiving applications is on or before 25.06.2018

Notification of selected participants: **28.06.18**