

*UGC Sponsored Two Day National Workshop On*  
**“DATA ANALYTICS USING R PROGRAMMING”**  
*(NWDAR-2018)*

*24<sup>th</sup> & 25<sup>th</sup> September, 2018*

*Organized by*  
*Department of Computer Science and Applications*



*Prayer Song*



*Lightening of the Lamp by Delegates*



*Presidential Remarks by Dr. V. Narayana Rao,  
Principal*



*Prof. V. Narasimha Rao, Director, PG Courses  
addressing the gathering*



*Ms.Prathyusha, introducing the Guest of Honour Dr.  
Usha Rani*



*Speech by Guest of Honour Dr.R.Usha Rani,Associate Prof.,C.V.R.  
College of Engineering, Hyderabad, Telangana*



*Ms. Prasanna, introducing the Guest of Honour  
Dr. Indira*



*Speech by Guest of Honour Dr. Usha Rani Asso. Prof.,  
Dept. of CSE, Gudlavallern CEG of Engineering*



*Felicitation to the Guests*

*UGC Sponsored Two Day National Workshop On*  
**“DATA ANALYTICS USING R PROGRAMMING”**  
*(NWDAR-2018) - 24th & 25th September, 2018*

*Inaugural Session Report*

The program started with the inaugural session on 24<sup>th</sup> September, 2018 at 9.30 A.M.

Dr. V. Narayana Rao, Principal KBN College has presided the session. The Chief Guest of the session was Dr. R. Kiran Kumar principal (I/c), Krishna University College of Engineering, Machilipatanam, Andhra Pradesh. Our Guests of Honour were Dr. R. Usha Rani Associate Professor, C.V.R College of Engineering Hyderabad, Telangana and Dr. D.N.V.S.L.S Indira, Associate Professor, Department of CSE, Gudlavalleru College of Engineering, AP.

Other Dignitaries were Sri. T. Srinivas Garu, Secretary and Correspondent, Sri.E Vara prasad Vice Principal, KBN College, Dr.V.Narasimha Rao, Director, PG Centre, Sri P.L. Ramesh, Director Academic and Planning, Smt.P.Bharathi Devi, Convenor, HOD (MCA) and Sri.P.Ravindra, HOD Computer Science Department.

On this occasion Principal in his inaugural address mentioned that KBN College is happy to organise this type of workshops. He appreciated the participant's for taking part in the workshop and encouraged them. He considered that R-Programming Language is one of the needed realm for the Computer Professionals.

In her Speech Dr. R. Usha Rani said that “If you do anything heart fully the result will be great” and she also quoted that “Do One Job Effectively”. She also remembered her close association with the KBN College. She felt very happy to be here as a Resource Person.

Dr. Indira the other Guest of Honour referred about Twitter, Data and Sentiment Analysis. She believes that the IOT, Big Data Analytics and Opinion Mining, Sentiment Analysis are the latest buzz words in the market. We must equip ourselves with this knowledge.

## TECHNICAL SESSION – I



*Session lead by Dr. R. Usha Rani*



## **TECHNICAL SESSION – I - REPORT**

- ❖ Session 1 was handled by Dr.R.Usha Rani
- ❖ In her Session she gave introduction about Big Data Analytics
- ❖ Big Data Life Cycle and Modules , Challenges
- ❖ Five V's of Big data and its Applications
- ❖ HDFS
- ❖ What are Recommended Systems, Data Products etc.,

She gave Introduction about the R- Programming and Interpretation of R Programming.

## TECHNICAL SESSION – II



*Dr. Indira delivering her lecture*



## **TECHNICAL SESSION – II - REPORT**

- ❖ Session 2 was handled by Dr. Indira
- ❖ In her Session she discussed about Twitter Data Analysis.
- ❖ She discussed on Sentiment Analysis through Natural Processing, Statistics, Machine Learning Algorithms
- ❖ How the Twitter data can be analysed using the four steps for Sentiment Analysis
- ❖ How to run sentiment analysis on tweets to see the overall opinion of the tweets positive or negative
- ❖ She discussed the Twitter R-Package. She mentioned the CRAN –which includes all the packages

## TECHNICAL SESSION – III



*Dr. C. Nagaraju, Associate Professor & Head, Department of CSE Yogi Vemana University  
Proddatur, A.P, about Data Types & DPLYR Package*





## **TECHNICAL SESSION – III - REPORT**

- ❖ Session 3 was handled by Dr.C.Naga Raju
- ❖ This is the Hands on Experiment Session
- ❖ In this our students executed programs in R-Language
- ❖ He started his session with the Introduction to the R-Programming
- ❖ He discussed the: Commands used in R
  - Data Types, Operators, Lists, Scalars, Vectors, Matrices, Arrays
  - Structures, Functions and Graphs
  - DPLYR Package

## TECHNICAL SESSION – IV



*Talk by Dr. M. Babu Reddy, HoD (J/c), Department of Computer Science, Krishna University, Machilipatnam*



*Participants at the Session*

## **TECHNICAL SESSION – IV - REPORT**

- ❖ Session 4 was handled by Dr.M.Babu Reddy
- ❖ He discussed about Conceptual Framework of Data
- ❖ He enlightened the students about the Software Industry
- ❖ He focused on Types of data, Machine Generated Data, Human Generated Data
- ❖ Nature of Data, How data will be Quantified by splitting to improve business when it is used
- ❖ What is Big Data, Data Storage Requirements, Types of data stored, Scalability Requirements and Nature of Retrieval
- ❖ How to Process it, and used in RDM (Research Data Management).

**Valedictory Session**



*Principals' remarks*



*Dr. C. Nagaraju, addressing the gathering*



*Speech by Dr. K. Naveen Kumar, Vice – Principal*



*Dr. M. Babu Reddy, addressing the gathering*



*Felicitation to the Guests*



*Feedback from participants*



*Certificate distribution*

KAKARAPARTI BHAVANARAYANA COLLEGE(AUTONOMOUS)  
(SPONSORED BY S.K.P.V.V. HINDU HIGH SCHOOLS)  
KOTHAPET, VIJAYAWADA - 520 001.

UGC SPONSORED(UNDER AUTONOMOUS FUNDS)  
TWO-DAY NATIONAL WORKSHOP

ON

DATA ANALYTICS USING R PROGRAMMING

In collaboration with Krishna University,Machilipatnam

PROGRAMME SHEET - INAUGURAL SESSION

(24-09-2017 @ 9:30 AM)

- Inviting the Guests** : **Ms.R.Jayamma**
- Lighting the Lamp** : **Dignitaries on the Dais**
- Prayer Song** : **Ms.V.Meena Kumari, Ms.G.Mounika,Ms.K.Bhavani Devi**
- President's Opening Remarks** : **Dr. V.Narayana Rao, *Principal***
- Theme of the Workshop** : **Smt.P.Bharathi Devi, *Convenor,HOD MCA***
- Speeches by The Guests** : **Sri T.Srinivasu,*Secretatry and Correspondent***  
**Sri E.VaraPrasad, *VicePrincipal,KBN College***  
**Sri Dr.Y.Narasimha Rao ,*Director,PG Courses***  
**Sri Dr.V.Narasimha Rao ,*Director,PG Centre***  
**Sri. P.L.Ramesh,*Director,Academic&Planning***
- Introducing the Guest Of Honour** : **Ms.L.Prathyusha (III MCA)**
- Guest Of Honours** : **Dr.R.Usha Rani,*Associate Professor,C.V.R.College of Engineering, Hyderabad,Telangana.***
- Introducing the Guest Of Honour** : **Ms.D. Prasanna (II MCA)**  
**Dr.D.N.V.S.L.S.Indira, *Associate Professor, Department of CSE,Gudlavalleru College of Engineering, Andhra Pradesh***
- Introducing the Chief Guest** : **Ms.V.Sindhuja (III MCA)**
- Chief Guest** : **Dr.R.Kiran Kumar, *Principal(i/c), Krishna University College of Engineering,Machilipatnam,AndhraPradesh***
- Vote of Thanks** : **Smt. R.SelvaPrabha**

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PROGRAMME SHEET - VALEDICTORY SESSION

(25-09-2017 @ 4:00 PM)

- Inviting the Guests** : **Ms.R.Jayamma**
- President's Address** : **Dr. V.Narayana Rao**, *Principal*
- Convenor's Report** : **Smt.P.Bharathi Devi**, *Convenor, HOD MCA*
- Speeches by The Guests** : **Prof.Y.K.Sundara Krishna**, *Principal, Krishna University, Machilipatnam*  
**Prof.V.Narasimha Rao**, *Director, PG Centre*  
**Dr.K.Naveen Kumar**, *Vice Principal, KBN College*
- Guest Of Honours** : **Dr.C.NagaRaju**, *Associate Professor & Head, Department of CSE Yogi Vemana University Proddatur, A.P.*  
**Dr.M.Babu Reddy**, *HoD(i/c). Department of Computer Science, Krishna University, Machilipatnam*
- Feedback** : **From the Participants**
- Felicitation to the Guests of Honour:** **By the Dignitaries**
- Distribution of Certificates** : **By the Dignitaries**
- Vote of Thanks** : **Smt. R.SelvaPrabha**
-

## Chief Patrons

**Sri Vankadara Hemachandra Rao**  
President, KBN College Committee

**Sri Tunuguntla Srinivasu**  
Secretary & Correspondent, KBN College Committee

## Patrons

**Dr. V. Narayana Rao** Principal - FAC

## Convenor

**Smt. P. Bharathi Devi** HoD - MCA

## Advisory Committee

Prof. Y.K.Sundara Krishna, Principal, Krishna University, Machilipatnam.  
Prof. A.SrinivasaRao, Head, Andhra Loyola Institute of Engineering & Technology.  
Prof. D.Nagaraju, Head, Department of IT, LBRCE, Mylavaram  
Prof. M.RaviSankar, Department of CSE, Vaagdevi College of Engineering, Hyderabad  
Sri. E.VaraPrasad, Vice-Principal  
Dr. K.Naveen Kumar, Vice-Principal  
Prof. Y. Narasimha Rao Director for P.G Courses  
Prof. V.NarasimhaRao, Director, KBN College, PGCentre,  
Sri. P.L.Ramesh, Director, Academics & Planning

## Organizing Committee

Ms. Shamim, HoD-MSc(CS)	Mr. K. V. Somann
Mr. P. Ravindra, HoD-Dept. of CS	Mr. D. Raghavendra Sunil
Mr. T. David Johnson	Ms. Ch. Suhasini
Mr. S. S. T. Sai	Mr. M. R. Pawan Kumar
Mr. P. S. R. Krishna	Ms. R. Jayamma
Mr. S. Vasu	Mr. B. Gantaiah
Mr. V. Suresh	Ms. R. Selvaprabha
Ms. G. Rohini	Ms. L. Sravani
Ms. P. Swathi	Ms. A. Prathyusha
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Ms. P. Pujitha	Ms. P. Gowthami Devi
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Ms. P. S. Bharathi	Mr. K. Uma Shankar
Mr. P. Sandeep	Mr. Y. Uma Mahesh

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ESTD. 1965

**K.B.N.COLLEGE** (Autonomous)

A College with Potential for Excellence (CPE-UGC)

All India 92nd Rank in NIRF by MHRD (2017)

(Sponsored by SKPVV Hindu High Schools Committee)

Kothapeta, Vijayawada - 520001, A.P.



UGC SPONSORED TWO DAY NATIONAL WORKSHOP  
(Under Autonomous Funds)  
ON



ज्ञान - विज्ञान विमुक्तये

## DATA ANALYTICS USING R PROGRAMMING

(NWDAR-2018)

IN COLLABORATION WITH KRISHNA UNIVERSITY, MACHILIPATNAM

On

**24<sup>th</sup> & 25<sup>th</sup> September, 2018.**

Testing Machine Regression Learning Skills Concepts SAS Tableau  
Qlik View Tools Modeling Hadoop  
Logistic Classification Big Business Data Analytics  
Visualization Training Spark Science R Statistics Mathematics  
Domain No SQL Predictive

Organized by

**Department of Computer Science & Applications**



## ABOUT COLLEGE

Kakaraparti Bhavanarayana College (KBN) is the vivacious outcome of a century old, charitable organization: S.K.P.V.V. Hindu High Schools Committee. It is one of the pioneer educational institutions in Vijayawada with the motto "TEJASWINAVADHITAMASTU" ("Let us learn while enlightened") clearly portraying its commitment to enlightenment. The College firmly believes in the maxim of Service to man is Service to God with regard to education, the true pathway for enlightenment. Eversince its inception in 1965, the College is known for its relentless striving towards transforming the student into an enlightened citizen. The college is ever vibrant and has evolved with the changing times. It was adorned with Autonomy in the year 2010. As a college with state of art facilities and the accolades it received like the Best Laboratory, Best Academic achievement, Best Library, Best NSS Unit speaks volumes about its steadfast endeavour in trying to dispel ignorance from society by wielding the potential weapon of education. The untiring efforts of the college eventually reflected in getting NAAC 'A' grade in 2013, with CPE in 2016 and All India 92nd Rank in NIRF by MHRD in 2017 which stands out to be the acme of academic achievement. The College is presently affiliated to Krishna University, Machilipatnam and it is one of the very few megalithic and top notch structures providing superlative education in the entire district of Krishna. The accomplishments of the college thus far have been by stimulating its appetite to reach unexplored horizons, and the saga of blazing newer trails continue unabated.

## ABOUT DEPARTMENT

The Year 1992 is a landmark in the history of KBN college that witnessed the dawn of department of Computer Science. BCA course was introduced in the college during the academic year 1998-99 and M.Sc Computer Science course is being run successfully since 2001. Short term Vocational Computer courses were introduced by this Department in the year 2007 with the permission of Board of Intermediate Education, Andhra Pradesh and these extracurricular courses became a recognizable feather in the cap of the Department. MCA program was started during the Academic year 2007-2008. Multimedia and Animation courses were launched in the Academic Year 2010-11.

## ABOUT THE WORKSHOP

The main objective of this workshop is to provide an opportunity for students, faculty, and researchers to learn the R open source tool in data analytics. This workshop aims to meeting the growing need in Data Analytics among the faculty and students. It gives them a comprehensive overview of R in Data Analytics, data mining algorithms related to it and hands-on experience in applying them.

The purpose of this workshop is to provide basic training in understanding the core techniques and concepts in Dataanalytics and R Programming. With the rise of Bigdata and data science, R programming has become popular in no less time. R also has a superb IDE, R Studio, facilitating reproducible research that helps to exploring, modelling, and visualizing data naturally. Being open-source, it is freely usable and allows for integration with other applications.

**Learning Outcomes At the end of the workshop, participants shall :**

- a. Understand Data Science and its applications
- b. Be familiar with Big data concepts
- c. Awareness in Hadoop Framework
- d. Understand R Programming
- e. Explore different data analytics applications using R Programming

## RESOURCE PERSONS

**Session I: Dr. R. Usha Rani**

Assoc.Professor, C.V.R.College of Engineering, Hyderabad, Telangana

**Session II: Dr. R. Kiran Kumar**

Principal(i/c), Krishna University College of Engineering, Machilipatnam, Andhra Pradesh.

**Session III: Dr. D.N.V.S.L.S. Indira**

Assoc.Professor, Department of CSE, Gudlavalleru College of Engineering, Andhra Pradesh.

**Session IV & V: Dr. C. Nagaraju**

Assoc.Professor& Head, Department of CSE, Yogi Vemana University, Proddutur, Andhra Pradesh.

**Session VI: Dr. M. Babureddy**

HoD(i/c), Department of Computer Science, Krishna University

## REGISTRATION FEE

UG / PG Students: **Rs. 200/-**

Faculty Members, Research Scholars and Industry Participants: **Rs.500/-**

## HOW TO APPLY

All the participants are required to submit the registration form online by visiting the college website [www.kbncollege.ac.in](http://www.kbncollege.ac.in). Pay the registration fee by a Demand Draft in favour of "THE PRINCIPAL, KBN COLLEGE", payable at Vijayawada and send the payment details through e-mail to [seminarkbn@gmail.com](mailto:seminarkbn@gmail.com). Spot registration is also available.

## ADDRESS FOR COMMUNICATION

**Sri. M. Ram Pawan Kumar**

Asst. Professor, Department of M.C.A.,

Ph. No.: 99851 03102

**Sri. P. Ravindra,**

Head, Department of Computer Science,

Ph. No.: 79810 64500

