

A 6 - Day SHORT TERM TRAINING PROGRAMME (STTP)

on

“Statistics with R Programming”
(24th - 29th June, 2019)

REGISTRATION FORM

Name: _____

Designation: _____

Mobile No: _____

College Name: _____

E-Mail: _____

Experience: _____

Area of Research: _____

Accommodation required: Yes/No

Accommodation: Limited Accommodation will be provided for outstation participants on prior request. **TA** is paid for outstation participants. The scanned copy of duly filled application form should be send to csehod@nrtec.ac.in, on or before 20-06-2019.

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the workshop.

Signature of the Applicant.

Date:

Place:

Note: Send Registration forms to

csehod@nrtec.ac.in

Any queries contact: +91-9885271324

ABOUT THE COLLEGE

The Narasaraopeta Engineering College was established in the year 1998 by Gayatri Educational Development Society, Narasaraopet, under the leadership of Sri M.V.Koteswara Rao, who has a vision of developing this college as an autonomous institution of higher learning & knowledge in the heart of Palnadu region. The college is approved by AICTE, permanently affiliated to JNTUK Kakinada, Accredited ‘A’ Grade by NAAC, Accredited thrice by NBA and ISO 9001: 2008 certified. The college has three recognized R&D centers by JNTUK. NEC is conferred as ‘AUTONOMOUS’ in the year 2016. The college has launched Incubation Centre where the students can implement their ideas. The college has an MOU with Oracle University (USA). NEC has MOUs with various Foreign Universities. The college offers seven M.Tech programmes, two PG courses of MCA, MBA and five courses at B.Tech level in the branches EEE, CSE, ECE, ME and CIVIL. The college has well equipped laboratories including 1000 computers with a bandwidth of 100 MBPS internet. Microsoft Innovation Centre was established in the college through which more than 200 Mobile Apps, 50 Cloud Apps and 100 Windows Apps are uploaded every year.

In order to build a vibrant entrepreneurship ecosystem established Venture Development Centre (VDC) in association with i2E North Eastern University, USA and APSSDC. Also, the college has Indo-European skilling Centre for Mechatronics and Industrial Robotics in collaboration with APSSDC and ARC (Applied Robot Control), Germany. AP CM’s Skill Excellence Center to provide students access to the most advanced courses by industry giants.

Narasaraopeta is known as the gateway of Palnadu. Narasaraopeta is a town in Guntur District and is on the railway line of Guntur to Guntakal. Narasaraopeta is 50km from Guntur and 25km to Chilakaluripet (NH5) by road. Narasaraopeta is 120km away from Vijayawada Airport. Kotappakonda is the site of major religious pilgrim place of Lord Siva which is located 5km from Narasaraopeta Engineering College



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Organized by
**Department of
Computer Science & Engineering**



**NARASARAOPETA
ENGINEERING COLLEGE**

(AUTONOMOUS)

Kotappakonda Road, Yellamanda (P.O)
Narasaraopeta – 522601, Guntur District, A.P.
Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada,

Phone : 08647-239912

FAX : 08647-239902

E-Mail : csehod@nrtec.ac.in

ABOUT THE DEPARTMENT

The Department of CSE started in the year 1998, right from the inception of the college, boasts of well experienced and technically excellent faculty members. The department imparts knowledge and skills to inculcate the professional responsibilities, leadership qualities to succeed in diverse career, capability to utilize engineering skills in industry. The department is the zonal partner of Artificial Intelligence Research Project launched by BENNETT University. The College has tie-up with ICT Academy to meet the skill requirements of the industry and to generate more employability. 49 students completed Full Stack web development course using Python and 37 students completed Udacity Android App development course. A group of students developed Hill Festival Android App for “Kondapanduga” celebrated at kotappakonda in Guntur district of AP, which was inaugurated by Honorable Speaker of AP.

OBJECTIVE OF STTP

R is a programming language, it provides a powerful software environment for statistical computing and graphics, especially widely used for data mining and analytics applications. The R language is the choice for research in statistical methodology, an Open Source for data modelling and data analysis. Surveys of data miners showing that, R’s popularity has increased substantially in recent years.

R provides a wide variety of statistical (linear and nonlinear modelling, classical statistical tests, time-series analysis, regression models, classification, clustering and others) and graphical techniques, and is highly extensible. R is easily expandable through functions and extensions, and R community is noted for its active contributions in terms of packages. R has more than 6000 packages available for different purposes. R has stronger object-oriented programming facilities than most statistical computing languages.

- To discuss and impart the fundamentals of ‘R Programming
- To discuss various graphical methods for exploratory data analysis
- To analyze data using exploratory data analysis
- To implement data analytics applications for knowledge discovery using R
- To Write R script to manipulate data
- To Perform basic file input and output
- To Write efficient programs to access data sets with gigabytes of data and millions of records
- To discuss the challenges in data analysis

Who Shall Participate :

The FDP is aimed at the multifaceted audience from industry, full time research scholars, PG students and academicians from various Engineering colleges of CSE, ECE, IT & Mathematics departments.

COURSE CONTENTS

- Introduction of R
- Some statistical applications
- Inferential statistics
- Regressions
- Database connectivity using R
- Data Visualization
- Hadoop with R
- Case Studies

RESOURCE PERSON:

Dr. V. V. HaraGopal

Prof. of Statistics, Dept. of Mathematics
BITS Pilani, Hyderabad

Dr. N. B. Venkateswarlu

M.Tech (IIT Kanpur), Ph.D (BITS, Pilani)

Professor,
G.V.P College of Engineering for Women
Visakhapatnam - 530048

Mr.T.Venkateswara Rao

Former Adviser of APSSDC

Dr. S.Sagar Imambi

Professor , KL University

PROGRAMME COMMITTEE

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Sri M.S. Chakravarthi

B.Tech., MS (US), e-MBA(ISB-Hyd)

Vice - Chairman, NEC Group.

Patrons:

Sri M.V. Koteswara Rao

B.Sc.,
Chairman, NEC Group.

Sri M. Ramesh Babu

Secretary, NEC Group.

Co-Patron:

Dr. M. Sreenivasa Kumar

M.Tech., Ph.D (UK), MISTE., FIE(I).

Principal.

Convener:

Dr. S. N. Thirumala Rao,

Professor & Head, Dept. of CSE

Co-Conveners:

Dr. B.Jhansi Vazram Professor

Dr.Sk.Mohiddin Shaw Professor

Mrs. M. Sireesha Asst. Prof

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