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SREYAS INST. OF ENGG. & TECH.

TEAM INDIATHINKS

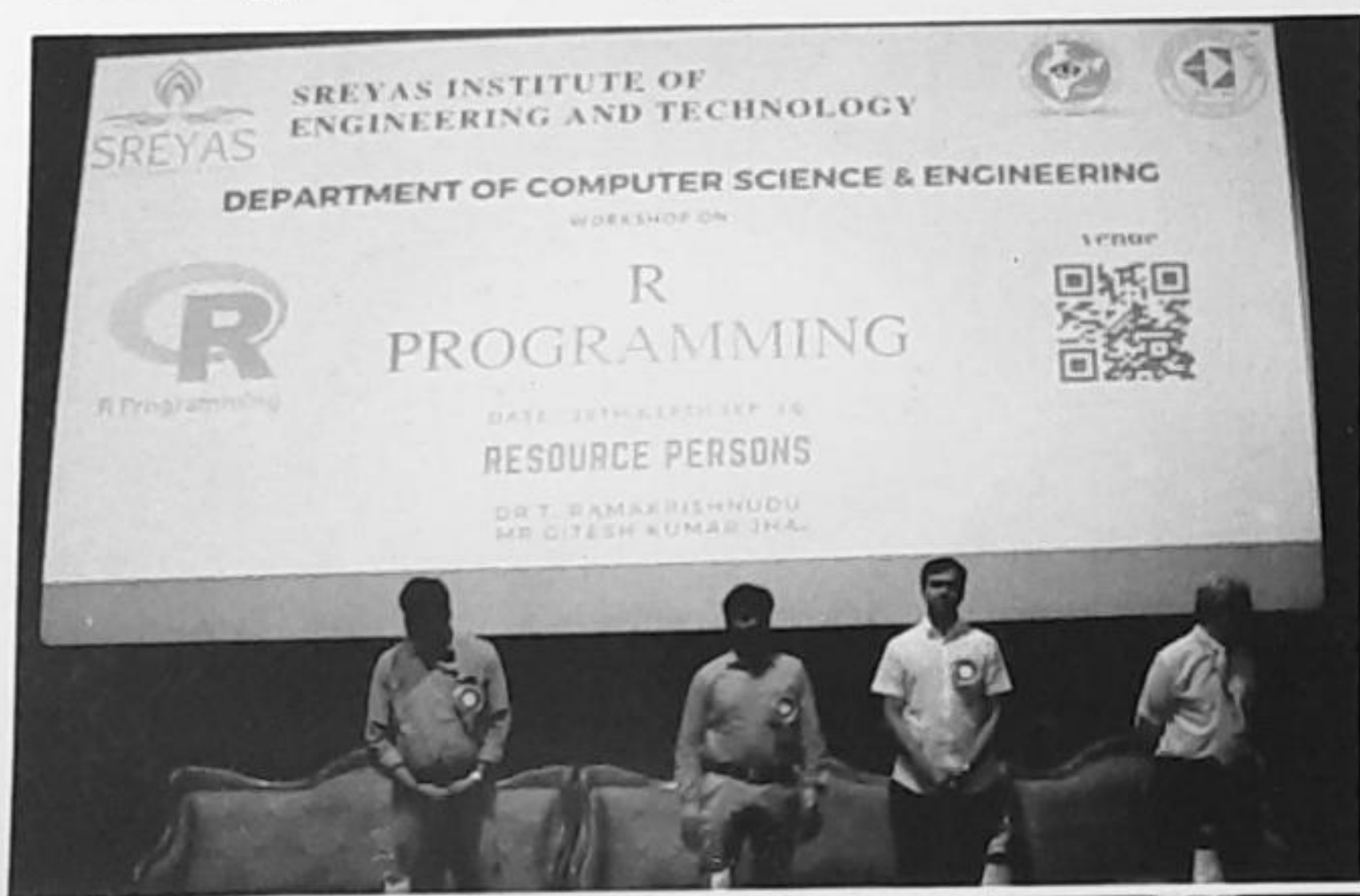
HYDERABAD, INDIA

Kick-starting Knowledge!

R programming workshop inaugurated at Sreyas Institute of Engineering & Technology

On 28th September 2018, a two-day workshop on R programming was inaugurated at Sreyas Institute of Engineering and Technology. The workshop was geared at enabling participants to apply concepts of R-programming in their domain subjects, providing them with a hands-on experience of using the lan-

guage, and motivating them to use open-source software. Dr V Goutham, HOD Department of CSE, convener of the program and G Sravan Kumar, co-convenor, introduced the resource persons Dr T Ramakrishnudu and Gitesh Kumar Jha, both accomplished experts in the field. Student volunteers also played an



active role in the inauguration ceremony, and thanked Sri Anatula Vinay Kumar Reddy, Chairman, Sri Chintala Ravindranath Yadav, Secretary, Sri Anatula Hriday Reddy, Vice-Chairman, Sri N Sharath Reddy, CEO,

and Dr Suresh Akella, Principal of Sreyas Institute of Engineering and Technology for the much-needed technical experience.

SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
PRINCIPAL: DR SURESH AKELLA
BESIDE INDU ARANI NAGAR
HYDERABAD-500 088

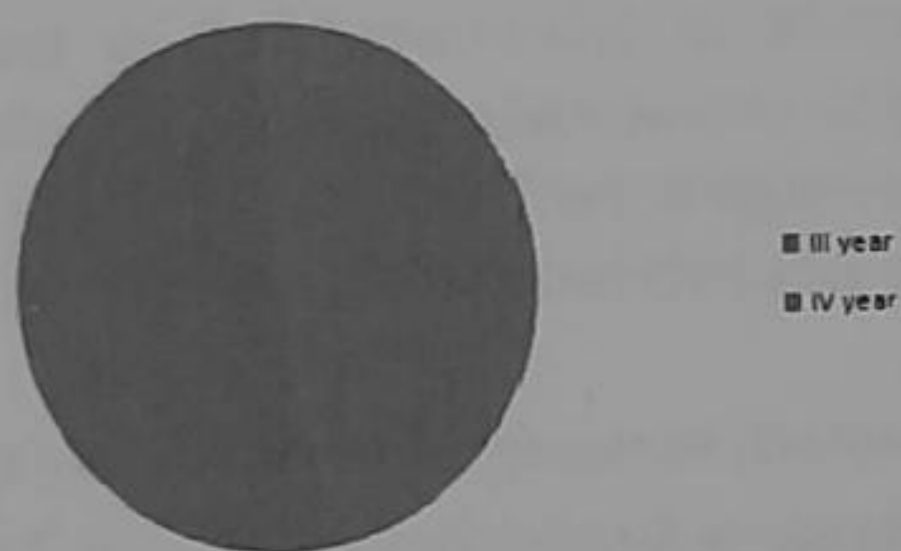


Impact Analysis

A Two Day Workshop on R Programming 28th & 29th Sep, 2018

- The exaction in today's rapid changing technology is to become Data Scientist, Data Analyst, and Business analyst. During the most recent decade, the force originating from both the scholarly community and industry has lifted the R programming language to end up the absolute most significant tool for computational statistics, perception, and data science.
- The necessity of having exposure for Open source Language, cross-Platform Compatible and to have statistical knowledge lead to conduct "R-Programming" workshop for two days. The target students for this workshop are from III and IV year CSE students.
- In this workshop, the resource person demonstrated the programs from Data types to Data Analysis, Machine Learning. The sessions were very insightful, interesting and impressive because of the hands-on sessions and practically taught to the students.

No. of Students attended



- The Students learnt all the programs thoroughly and also had an assessment on R Programming. All the Students were able to clear the assessment.

- This workshop was extensively used to students to do their projects. This workshop motivated students to go for certifications.

- The Concepts which are taught were applied in their projects. Students have actively taken implementation of R for their statistical analysis for projects such as Supervised Machine Learning Techniques for Forecasting sales, Sentiment Analysis to Predict Election Results using Python.

"This was a phenomenally useful workshop. This not only helps the students, but also makes them to brim with ideas". ----- K.Ramya Laxmi , Assistant Professor, SIET

"I have a great interest in field of Programming. This workshop gave me lot of knowledge on R Programming which paved me the way to get interest in business analytics".

-----CHVSS Nikhil, Student of CSE.(15VE1A0513)

HOD. CSE
SREYAS INST. OF ENGG & TECH
NAGOLE, Hyd-068

Principal
SREYAS INST. OF ENGG. & TECH
BESIDE INDU KRISHNA, NAGOLE,
HYDERABAD-500 088

► Two Day Workshop on “R Programming”



Report

Two day workshop on R Programming was organized by department of Computer Science and Engineering, Sreyas institute of Engineering and Technology during 28.09.2018 and 29.09.2018.

In the inaugural ceremony Principal SIET, Vice Chairman, HOD's of various departments, faculty and participants were present. In the inaugural speech Dr.V.Goutham, HOD, CSE has expressed the importance of R Programming to become data scientist and also elucidated that the language made for graphical applications and statistically computations. The Target audience was industry persons, faculties from engineering institutions and students. Students belonging to III year, IV year B. Tech. CSE attended this program.

Dr.T.Ramakrishnudu attended the as resource person for the workshop. In the workshop the topics covered are : Introduction to R programming, Fundamental concepts of R, Introduction to Data Visualization, visual Analysis using R, Data analysis using R, Machine Learning using R. During the sessions the trainer demonstrated how R Programming is installed and programs on whatever the topics have been covered.

The valedictory ceremony was conducted on 29.09.2018 at 4.00 P.M. The valedictory session was addressed by G.Sravan Kumar, Associate Professor, SIET.

A handwritten signature in black ink, appearing to be "Asuresh".

Asuresh
Principal
SREYAS INST. OF ENGG. & TECH
BESIDE INDU ARANYA, NAGOLE
HYDERABAD-500 068

A handwritten signature in black ink, appearing to be "HOD-CSE".

HOD-CSE
SREYAS INSTITUTE OF ENGG.&TECH
Beside Indu Aranya, Nagole, Hyd-068

Resource Persons:

Dr. T Ramakrishnudu

Dr. T Ramakrishnudu is a resource person to many faculty development programs sponsored by UGC, AICTE, and TEQIP, DeitY etc. organized at NIT, Warangal, and other Engineering Colleges. He delivered lectures on "Fundamentals of R, Data Visualization & Data Management using R and Object Oriented programming using R".

Gitesh Kumar Jha

Gitesh Kumar Jha studied at NIT Warangal, M. Tech (Computer Science & Information Security). He is working as a Software Engineer in Teradata labs Hyderabad. He is an Algorithm Writer and Implemented a program to preprocess data before performing analysis.

Registration is open to:

Department of Computer Science & Engineering students of the Sreyas Institute of Engineering and technology.

How to Apply:

Eligible candidates may apply by enrolling the filled-in registration form from the respective coordinator on or before 26th September, 2018.

Confirmation of Participation:

On receipt of the registration form along with proof of payment of registration fee, participants will be sent confirmation of their participation through Email by 27th September, 2018. As the programme is conducted in a workshop mode with hands-on sessions, the number of participants in the workshop is limited. **Candidates are advised to register early to avoid disappointment.**

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Overview of the Workshop:

Background

'R' is one of the widely used open source software which is useful for statistical analysis, mathematical modeling and graphical analysis. Over the years, a number of new packages are included in R-Programme which improved its functionality to support the interdisciplinary research. Many of the higher education institutions in India are offering the 'R-programming' as one of the courses. In this background a two-day Workshop is planned with the following objectives.

Objectives:

- To enable the participants to apply the R-program in learning of their domain subjects.
- To provide the participants with hands-on experience of using the R-Programming in learning.
- To motivate the participants to use open source software and also learning of different courses.

Topics:

This workshop will focus on the concepts and fundamentals of R-programming tools and techniques useful for research in domain areas and also inter-disciplinary areas.

The main topics are:

Day 1:

- Introduction to R programming.
- Fundamental concepts of R.
- Introduction to Data Visualization.

Day 2:

- Data Visualization and Visual Analysis using R.
- Data Analysis using R.
- Machine Learning using R.

A TWO - DAY WORKSHOP

ON



R Programming Language

28th & 29th September 2018



SREYAS
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Convener : **Dr. V. Goutham**
Professor & HOD

Co-Convener : **G. Sravan Kumar**
Associate Professor

Organized by
Department of Computer Science & Engineering
SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
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