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President, Kammavari Sangham

Sri R. Leela Shankar Rao
Hon. Secretary, Kammavari Sangham

Sri T. Neerajakshulu Naidu
Treasurer, Kammavari Sangham

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CEO, KSGI

Dr. Dilip Kumar K
Principal / Director, KSIT

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Professor & Head of the Department
Computer Science & Engineering, KSIT

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Professor, Department of Computer Science & Engineering,
KSIT

Mr. Kushal Kumar B N
Asst. Professor, Department of Computer Science & Engineering,
KSIT

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Assoc. Professor, CSE, KSIT

Dr. Vijayalaxmi Mekali
Assoc. Professor, CSE, KSIT

Mr. Sanjoy Das
Assistant Professor, CSE, KSIT

Mr. Roopesh Kumar B N
Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

Mr. Raghavendrachar S
Assistant Professor, CSE, KSIT

Mr. Krishna Gudi
Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

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Assistant Professor, CSE, KSIT

Mr. T Somasekhar
Assistant Professor, CSE, KSIT

Mrs. Supreetha Ganesh
Assistant Professor, CSE, KSIT

Mrs. Pallavi R
Assistant Professor, CSE, KSIT

Mr. Laxmikanth
Assistant Professor, CSE, KSIT

Ms. Namyapriya D
Assistant Professor, CSE, KSIT

Mrs. Ramanjinamma G
Assistant Professor, CSE, KSIT

TOPICS TO BE COVERED IN FDP

- Introduction to data science & Hands-on session
- Mathematical Preliminaries, Data science and Big data & Hands-on session
- Data Science using R programming & Hands-on session
- Machine learning using R, Machine learning using R examples & Hands-on session
- Image Processing using R, Image Processing using R examples
- Mini Project



KAMMAVARI SANGHAM (R) - 1952
K. S. INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi; Affiliated to VTU, Belagavi, Karnataka)
(Accredited by NBA : CSE, ECE & MECH ENGINEERING)
(Accredited by NAAC)
#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109



Six Days Faculty Development program

on

R PROGRAMMING & IT'S APPLICATIONS

27th March to 1st April 2023

Venue

K S INSTITUTE OF TECHNOLOGY, Bengaluru



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



ABOUT KAMMAVARI SANGHAM

The Kammavari Sangham a multi-activity non-profit oriented voluntary service organization was established in the year 1952 with the sole objective of providing charitable service to community and society. The Sangham has diversified its activities since its establishment over five decades ago with a firm belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousands. The Sangham went about establishing educational institutions starting with K.S. Polytechnic in 1992. Enthused with this success of its foray into technical education, the Sangham moved forward starting the K.S. Institute of Technology (KSIT) in the year 1999, K. S. School of Engineering & Management (KSSEM) in the year 2010, K. S. School of Architecture (KSSA) in the year 2015 & K. S. PU College in 2022. In the following years these institutions have carved for themselves an enviable niche through academic excellence achieved in a very short span of time. By providing free hostel accommodation and scholarship to the deserving students in the community, it has furthered its commitment to education.

ABOUT THE INSTITUTION

K. S. Institute of Technology was established in the year 1999 by the Kammavari Sangham with a commitment to provide value based technical education. KSIT is strategically located at No. 14 Raghuvana-halli, Kanakakpura Main Road, Bengaluru. The Institution has modern infrastructure with state-of-the art equipment and laboratory facilities, well qualified faculty and an impressive placement record. The objective of KSIT is to impart quality education to students and enable them to develop the abilities of problem solving, creative thinking and adaptability in their chosen field. KSIT is NAAC accredited.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering is established in the year 1999 and offers B.E, M.tech in CSE and also has R & D center for Ph. D scholars. The department is NBA &IEI accredited. It has well qualified, experienced and committed faculty to provide qualitative, industry tuned education to students. The infrastructure fulfills and supports learning skills on the latest technology in the industry. Our mission is to develop professionals with social responsibility to become leaders in top-notch industries and also become entrepreneurs with good ethics. It has several active professional bodies memberships like CSI, BITES, ISTE and IEI where students learn to do projects, present technical papers and students work together which imbibes teamwork and leadership qualities. The students won prizes in Hackathons- SIH, Codethon, Toycathon and presented papers in International Conferences.

ABOUT THE FDP

R is a Free/Libre and Open Source Software (FLOSS) - a well organized and sophisticated package - that facilitates data analysis, modeling, inferential testing, and forecasting. It is user-friendly software that allows creating new function commands to solve statistical problems. It runs on a variety of UNIX platforms (and similar systems such as LINUX), Windows and Mac OS X. R is one of the most preferred open-source languages for analytics and data science. The cross-platform compatibility of R and its capacity to handle large and complex data sets makes it an ideal tool for academicians to analyze data in their labs.

R can be used for simple calculations, matrix calculations, differential equations, optimization, statistical analysis, plotting graphs, etc. Also, it is useful for anybody who wishes to undertake extensive statistical computations and data visualization. R allows you to develop custom Artificial Intelligence Apps and has numerous packages that are used in the field of ML. Also, R programming is a prescribed course for Computer science, Information Science and allied branches as per VTU 2021 Scheme

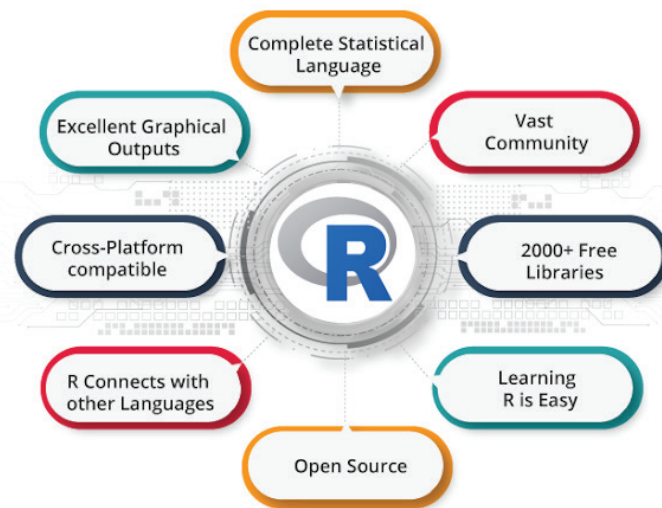
METHODOLOGY OF THE FDP

The workshop will be conducted using experts form Industry and academia covering basics, applications with hands-on sessions.

BENEFITS OF THE FDP

On successful completion the workshop, participants will be able to:

- Learn basic R programming
- Learn basic mathematical preliminaries
- Learn how to do basic statistical analysis using R
- Learn how to use R for ML and Image Processing applications
- Certificate for attending 6 days FDP



WHO SHOULD ATTEND

The R workshop will be useful for Faculty of Engineering Dept., Researchers & Working Professionals.

REGISTRATION FEE

₹ 500 /-

Last Date For Registration: 20-03-2023 (Limited Participants)

[Scan Here For Payment](#)



[Scan Here For Registration](#)



REGISTRATION FORM (Offline Mode)

Name.....

Designation.....

Department.....

Institution.....

Address.....

.....

Mob No.....

Email.....

Date.....

Registration: 500 Rs

Contact Details For Registration:

Manoj Kumar S : 99728 12369

Kushal Kumar B N : 99005 33883

Signature of Applicant

Signature & Seal of
Principal