

## ABOUT THE WORKSHOP

The Workshop is designed for researchers intended in analytics at any stage of their careers, including undergraduate and graduate students, faculty and scientists at their institutions. The Workshop will emphasize hands on sessions. The hands on sessions are designed based on domains like programming on Python, Predictive modeling, Machine Learning Algorithms. For data analysis and interactive, exploratory computing and data visualization, Python will inevitably draw comparisons with the many other domain-specific open source software. R is an open source package for Data Mining. It is available as stand-alone application for Data Analysis and as a Data Mining engine for the integration into own products.

## REGISTRATION FEE

UG Students / PG Students	: Rs. 500
Faculty / Research Scholar	: Rs. 600
Industry participant	: Rs. 750

## HOW TO APPLY

A maximum of 30 registrations are permissible on the basis of first come first served and selected candidates will be intimated through e-mail. The registration amount has to be paid in the form of Demand Draft in favor of "The Principal, Sri Ramakrishna Engineering College", payable at Coimbatore.

## IMPORTANT DATE

Last date for Registration: 03.09.2018

## ORGANIZING COMMITTEE

**Chief Patrons :** Sri. R.Vijayakumhar

Managing Trustee

Sri.D.Lakshminarayanaswamy

Joint Managing Trustee

**Patrons :** Dr.A.Ebenezer Jeyakumar

Director (Academics)

Dr.N.R.Alamelu

Principal

**Organizing Secretary**

: Dr.A.Grace Selvarani

Professor & Head / CSE

**Conveners :** Mr.A.Bharanidharan

Asst Prof. (SL.Gr) / CSE

Mr.R.Kanagaraj

Asst Prof. (SL.Gr) / CSE

## ADDRESS FOR CORRESPONDENCE

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Sri Ramakrishna Engineering College

Coimbatore – 641 022

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## SRI RAMAKRISHNA ENGINEERING COLLEGE



[Educational Service: SNR Sons Charitable Trust]  
[Autonomous Institution, Accredited by NAAC with 'A' Grade]  
[Approved by AICTE and Permanently Affiliated to  
Anna University, Chennai]  
[ISO 9001:2015 Certified All eligible programmes  
Accredited by NBA]  
Vattamalaipalayam, N.G.G.O. Colony Post  
COIMBATORE – 641 022



In Commemoration of the  
Silver Jubilee Year

## Two Days Workshop on Data Analysis using R and Python (Hands on Training)

7<sup>th</sup> September 2018 to 8<sup>th</sup> September 2018

**Organized by**

**Association of Computer Engineers**

**Free Open Source Software Club**

**Department of Computer Science and  
Engineering**



[www.srec.ac.in](http://www.srec.ac.in)

**Event Website / Registration:**

<http://www.srec.ac.in/events/details/83>

## THE ORGANIZING INSTITUTION

Sri Ramakrishna Engineering College established in the year 1994 by the sons of Sri S.N.Rangasamy Naidu and had grown into an eminent Institution of international standards to meet the challenges of the modern world. The College is permanently affiliated to Anna University Chennai and Certified with ISO 9001:2015. The Institution offers 9 Under Graduate B.E/B.Tech. Programmes and 9 Post Graduate M.E /M.Tech./MBA Programmes. The eligible Programmes in the Institution are accredited by National Board of Accreditation (NBA), New Delhi. The College has been awarded Autonomous Status to the courses by UGC and Anna University, Chennai since 2007 which has helped the Institution to design the curricula and syllabi to meet the requirement of the Industries.

The Institution is ranked amongst top 10 colleges in various surveys in South India and top 40 colleges in India. The college campus has an admirable infrastructure with all facilities and well-equipped laboratories. The college has also signed MoU with reputed industries and institution to enable the students to be trained in gaining practical knowledge and develop latest technical laboratories in the institution. The college provides industry focused training and placement with industry interaction.

## RESOURCE PERSON

Domain Experts from Data Science Research Group.

## ORGANIZING DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1994 and the Department provides Post Graduate Programme in M.E Computer Science and Engineering. The department is accredited by National Board of Accreditation (NBA), New Delhi for the fourth time and has excellent infrastructure facilities with well experienced and well qualified faculty members. The Department signed MoUs with leading organizations such as Pricol Technologies Ltd., Paxterra for collaborative consultancy works.

## CONTENTS OF THE PROGRAMME

- Introduction to analytics
- Introduction to Python
- Data summarization, visualization, aggregation, etc using python
- Multiple linear regression
- Cluster Analysis
- Binary logistic regression
- Classification and regression Tree
- Random Forest
- K nearest neighbor
- Naive Bayes Classifier
- Support Vector Machine



**SRI RAMAKRISHNA  
ENGINEERING COLLEGE**



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Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Class & Dept.: \_\_\_\_\_

College: \_\_\_\_\_

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

E-mail: \_\_\_\_\_

\*Accommodation required: Yes / No

Fee Payment details:

Draft No. \_\_\_\_\_ Dated \_\_\_\_\_

Amount: \_\_\_\_\_ Bank: \_\_\_\_\_

\*(For accommodation nominal charges of Rs.  
150/- day in college hostel)

Date:

Signature of Participant

Signature of HOD / Principal