

## HOW TO APPLY

Photo copy of the registration form properly filled, duly signed and recommended by the Head of the Institution / Head of the Department may be sent to the Co-ordinator along with the demand draft which has to be drawn in favour of "The Principal, Sri Sairam Engineering College", payable at Chennai or can be paid in cash.

## TARGET AUDIENCE

Faculty members, industry persons interested in data science and Research scholar undergoing work in data analytics and those who want to become conversant with the terminology and the core concepts behind big data problems, applications, and systems. The number of participants are limited and selection is on First Come First Serve basis. At the end of the programme, a test will be conducted by the programme evaluation committee (as per AICTE guidelines) and certificate will be issued to the participants.

## TA, BOARDING and LODGING FACILITIES

TA, Boarding and Lodging Facilities will be provided to the outstation participants as per AICTE rules i.e. second class sleeper charges by shortest route for travel. Boarding and lodging will be provided in the college hostels, local participants will be provided working lunch, tea and snacks along with the other participants.

## IMPORTANT DATES

Last date for Registration : 02.06.2019  
Intimation of Confirmation : 03.06.2019  
(Through E-mail)

## REGISTRATION FEE:

The registration is free for faculty members from AICTE approved Institutions.

Faculty & Research Scholar : Rs.500  
(Refundable)



### Patrons

**Shri. Sai Prakash LeoMuthu**

Chief Executive Officer, Sairam Institutions

**Mrs. Sharmila Rajaa**, Treasurer

**Dr. A. Rajendra Prasad**, Principal

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12. **Dr. J.M. Lakshmi**, Sri Krishna college of Technology, Coimbatore
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14. **Dr. E. Illavarasan**, Pondicherry Engineering college
15. **Dr. S. Nickolas**, NIT, Trichy
16. **Dr. Lakshmi Narayana Sadasivum**, NIOT, Visakhapatnam

### Co-ordinator

**Dr. B. Latha**, Professor & Head

### Organising Secretaries

**Ms. R. Valarmathi & Dr. M. Nithya**

Department of Computer Science and Engineering

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# AICTE

sponsored

## TWO WEEKS

### FACULTY DEVELOPMENT PROGRAMME

ON

# DATA SCIENCE AND EXPLORATORY DATA ANALYSIS WITH R AND PYTHON

07.06.2019 to 20.06.2019



Organized by

Sri DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# SAI RAM ENGINEERING COLLEGE

Accredited by NBA and NAAC 'A+' | An ISO 9001:2015 Certified and MHRD NIRF ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 44. Tel : 044 - 2251 2222

[www.sairam.edu.in](http://www.sairam.edu.in)



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## ABOUT THE INSTITUTION

Sri Sairam Engineering College, Chennai, established in the year 1995 by MJF.Ln.Leo Muthu, Chairman of Saphthagiri Educational Trust, is a non-profitable, and non-minority institution. A well defined vision, highly committed mission and dedicated leadership facilitate Sri Sairam Engineering College to be in the best of educational institutions in the country. Since its inception, our Institution has grown into a vast conglomerate of magnificent buildings, state-of-the-art and sophisticated laboratories internet centres, modern library and a superlative sports complex-each a land mark in itself across 300 acres. Its quiet and idyllic surroundings, comprising of the architecturally and aesthetically designed buildings, the sports playgrounds and the lush greenery make it one of the most preferred destinations for the aspirants of Engineering studies. The College is affiliated to Anna University and is also approved by the All India Council for Technical Education, New Delhi.

Sri Sairam Engineering College has developed into a reputed Engineering institution with NAAC Accredited with 'A+' Grade and ISO 9001:2015 certifications, and this year, all our eligible engineering Courses got accredited by the National Board of Accreditation. Technical Bodies like CSI, ISTE, IEEE, SAE, ISA, Conferences. NSS, YRC, National Environment awareness campaign, Energy and Eco-Club are religiously conducting various activities. The training, Counselling and Placement is another sphere where we have made excellent strides. For offering quality technical education and moulding the younger generation to the society, our Chairman has spared no efforts to induct faculty and provide adequate infrastructure facilities.

## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering joined the fleet of Sri Sai Ram Engineering College during the academic year 1998-99. The Department of Computer Science and Engineering, since its establishment, has been in constant pursuit of excellence. Our endeavour has been to produce the best computing technocrats to serve the growing needs of the country in the field of computing. Here we strive to produce world class professionals who can compete with the industry's best brains. The Department is also having Master of Engineering in Computer Science and Engineering from the academic year 2011-2012.

The department is equipped with well qualified and experienced teaching staff and supporting staff, computing lab with 352 workstations and 7 servers with all the required software and peripherals as per Anna University syllabus, 155Mbps (TATA) RF connectivity.

The department has bagged 187 University ranks including a University Gold Medal for securing 1st rank. On an average 90% of our students get placement on campus in leading companies like TCS, Zoho, Amazon, Infosys, IBM, HCL, Wipro, Tech Mahindra, L&T Infotech, iNautix etc.

The department conducts national level technical symposium SAI COMPFEST every year for students and organizes faculty development programs, guest lectures, seminars, workshops, industrial visits at regular intervals. The department library provides useful resources to students with books on 293 titles and 881 volumes, 169 e-journals, 6 National journals, 2 magazines, 375 CD's, 100 Lab Manuals, Question banks and Project Reports. The department is Institutional member of Computer Society of India and also has student chapter of CSI which organizes regularly various value added programs for the benefit of the students. Computer Network Lab was modernized under the scheme of MODROBs.

## ABOUT THE FDP

Objective is to train faculty members in the latest technology of Data Science and Exploratory Data Analysis with R and PYTHON as it is one among the latest trending technologies which induces the faculty to do research in Data Science and Analytics. This FDP being a national level Programme focuses not only on Faculty from all Anna University affiliated Engineering Colleges all over Tamilnadu but also from other colleges in other states and disseminate their gained knowledge to the students. There are more than 500 colleges affiliated to Anna University alone. Other neighbouring University Faculty members are also expected to participate.

## OUTCOMES

The teachers and researchers will be able to

- Learn tools and languages used for data analysis - R and Python
- Understand the concept and use of data mining techniques.
- Understand and implement the algorithms for large amount of data using machine learning techniques such as regression, classification, clustering and to perform graphical data analysis.
- Understand visualization for distribution analysis, correlation analysis, multivariate analysis, ranking analysis, deviation analysis.
- Understand how to leverage the insights from big data analytics and to help them to expertise in the field of data science

## COURSE CONTENT

- Introduction to Data Science Concepts
- Data Analytics methods Using R
- Data Analytics Methods Using Python
- Machine Learning Algorithms
- Neural Networks and Deep Learning Models
- Data Visualisation

# TWO WEEKS FACULTY DEVELOPMENT PROGRAMME ON DATA SCIENCE AND EXPLORATORY DATA ANALYSIS WITH R AND PYTHON

07.06.2019 to 20.06.2019

## REGISTRATION FORM

Name :  
Qualification :  
Designation :  
Name of the Institution :  
Mailing Address :  
Phone(Mobile) :  
E-mail address :  
Gender :  
Experience(Years) :  
a)Teaching :  
b)Research :  
Accommodation required : YES / NO

### REGISTRATION FEE DETAILS

1.Amount(in Rs.) :  
2.DD No. & Date :  
3.Bank & Branch :

Signature of the Applicant

### DECLARATION

Dr./Mr/Mrs..... is a employee of our institution and is sponsored to attend the AICTE sponsored FDP conducted by Sri Sairam Engineering College, Chennai from 07/06/2019 to 20/06/2019.

Signature of Authority with seal