

# IFET COLLEGE OF ENGINEERING (An Autonomous Institution)

Two days National Level Seminar

on

“STATISTICAL METHODS AND APPLIED  
MATHEMATICS IN DATA SCIENCE”

13<sup>th</sup> & 14<sup>th</sup> Sep 2019

Organised by

Department of Information Technology &  
Mathematics

Gangarampalayam, Villupuram – 605108.



## REGISTRATION FORM

1. Name :
2. Designation :
3. Department :
4. Institution :
5. Qualification :
6. Experience :  
Teaching:    Research:
7. Address for Communication:
  
8. Phone with STD code:
9. Mobile :
10. E-mail:
11. Others: Is Accommodation Needed Yes / No

DD Details

12. DD No. :
13. Amount :
14. Date :
15. Bank Name :

Date :

Place :

Signature of Applicant

## SPONSORSHIP CERTIFICATE

Dr./Mr/Mrs..... is an employee of our Institution / Organization and is hereby sponsored to participate in the Two days CSIR Sponsored National Level seminar on “STATISTICAL METHODS AND APPLIED MATHEMATICS IN DATA SCIENCE” on 13<sup>th</sup> Sep 2019 & 14<sup>th</sup> Sep 2019 at IFET College of Engineering, Gangarampalayam, Villupuram.

Signature of the Head of Institution  
(With seal)

Place:

Date:

## IMPORTANT DATES

Last date for receipt of applications : 10/09/2019  
Intimation of Selection : 11/09/2019  
Confirmation by Participants : 12/09/2019

## REGISTRATION FEE (per delegates)

UG & PG Students : 350/-  
Faculty Members, Research Scholars  
and Industry Participants : 500/-

## REGISTRATION

Registration Fee is to be paid by Demand Draft taken in favour of “The Principal, IFET COLLEGE OF ENGINEERING”, payable at Villupuram along with the registration form.

Application form completed in all respect is to be sent to the email-id mathfdp@ifet.ac.in

## ADDRESS FOR COMMUNICATION:

**IFET COLLEGE OF ENGINEERING**  
**Gangarampalayam, IFET Nagar,**  
**Villupuram – 605108.**

**E-mail: mathfdp@ifet.ac.in**

**Ph:9487240187,7598290322,8148835055**

## TWO DAYS NATIONAL LEVEL SEMINAR

on

“STATISTICAL METHODS AND APPLIED  
MATHEMATICS IN DATA SCIENCE”

13<sup>th</sup> Sep 19 & 14<sup>th</sup> Sep 19

Executive Authority

Dr. S. Matilda, Professor/CSE

Organised by

Mrs.V.Suganthi Asso.Prof./IT

Dr.T.Soupramanien Asso.Prof./Maths



Sponsored by

Council of Scientific and Industrial Research  
(CSIR), New Delhi – 110 001.

Organised by



Department of Information Technology &  
Mathematics

**IFET COLLEGE OF ENGINEERING**  
(An Autonomous Institution)

Gangarampalayam, Villupuram – 605108.

Off. Phone: 04146-231456 – 459, Fax: 04146-231456

Website: www.ifet.ac.in



## ORGANIZING COMMITTEE

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Mr. A. MOHAMED ILYAS, VICE CHAIRMAN  
Mr. K. SHIVRAM ALVA, SECRETARY

### PATRON

Dr. G. MAHENDRAN, PRINCIPAL

### EXECUTIVE AUTHORITY

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### ORGANIZING COMMITTEE

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## INSTITUTION PROFILE

Founded in 1998 by eminent Industrialists, Indo French Educational Trust (IFET) is committed to promote education and research in the field of Engineering and Technology and to collate and disseminate in such fields effective ideas, methods and techniques. The Trust has dedicated itself in educating and helping the rural youth in acquiring an understanding of Technology and its importance and value in day-to-day life as its vision. The trust has taken definite strides in achieving its vision under the able and active management of Mr.K.V. Raja - Chairman, Mr.A. Mohamed Ilyas - Vice Chairman and Mr.K. Shivram Alva- Secretary. The institution was accorded Autonomous status by UGC in 2019. IFET has been listed among top 200 Best Private Engineering Colleges in India ,in a Survey of all Engineering Colleges by India Today in 2019. The college is accredited by NAAC, Permanently Affiliated to Anna University and ISO 9001:2008 certified by BSI. Awarded 2(f) & 12(B) Status by UGC-New Delhi.

## ABOUT THE DEPARTMENT

The objective of the department is to hone technical skills demanded by today's engineering professionals by providing a sound technical platform. It also prepares them to meet the challenges faced by today's IT professionals by exposing them to a wide array of cutting-edge technologies. The committed team of faculty transform the students into disciplined, knowledgeable, skilled, dynamic and pragmatic information technologists who will confidently complete any technical task assigned to them to the entire satisfaction of the organization. In this process of transformation their personality gets shaped which will enable them to become reputed engineers and great human beings. Mathematics department is the backbone of entire Engineering education. The faculty give utmost care to bridge the gap between the curriculum and latest trends. The latest curriculam presents visualisation and implementation of mathematical concepts using MATLAB and other software tools.

## MAIN OBJECTIVES OF THE WORKSHOP

The aim of this two-days seminar is to impart in-depth knowledge to the participants and researchers on how mathematics and statistics play an important role in the machine learning algorithms for data science. It also educates the participants to apply statistical tools for exploring data in an informative and targeted way. It helps to gain deeper and fine grained insight on how exactly our data is structured and based on this we can optimally apply data science techniques to get more information. At the end of the seminar, the participants will be able to gather data sets from multi disciplines and solve real-life industry-based projects.

## TOPICS TO BE COVERED

1. Introduction to Data Science
2. Role of Mathematics in Data Science
3. Machine Learning Algorithms
4. Tensor operations in Linear Algebra
5. Functions using Calculus
6. Probability and Statistics tools to Visualize Data
7. Exploring Dataset with Python Programming
8. Analyze Data with R language

## INTENDED AUDIENCE

Faculty, UG and PG student from academic institutes AICTE approved Engineering Colleges, Arts and science colleges and Polytechnics can attend the course. The course is not specific to any course. Participants of all disciplines including Mechanical, Electrical, Electronics, Mathematics, computer Science and Information Technology are encouraged to participate.