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Prof. Sudeepa Roy Dey, *Dept. of CSE*

Prof. Sai Prasanna, *Dept. of CSE*

Prof. Jyoti Desai, *Dept. of CSE*

Important Dates

Last day for submission of registration:
11th January 2018

Intimation of acceptance: 12th January 2018
(Admission on first come first served basis.)

Registration

Please send the registration form (on the adjoining page) along with a cheque /DD drawn in favour of “**PESIT - Bangalore South Campus**” payable at Bangalore, at the Accounts Office or to the coordinator.

Spot Registration will be allowed based on the availability of seats.

Coordinator and point of contact:

Prof. Jyoti Desai/Prof. Sai Prasanna (9945182139)

Email: workshop_ces@pes.edu

Address for Correspondence:

Dept. of Comp. Sc. and Engg,
PESIT - Bangalore South Campus
Hosur Road (1km before Electronics City),
Bangalore - 560 100.

Phone: (off) 91- 80- 66186610/35
(M) 91-94485-75574

Registration Fee:

Rs. 2000/- for industry practitioners,
Rs. 1000/- for faculty and full time researchers
Rs. 500/- for UG and PG students
The course fee includes refreshments.
Please furnish a copy of your ID card with the application form.

Route Map:



Transportation

Volvo and other BMTC buses ply with good frequency.

For information on PES route buses contact
Prof. Manohar Bhat (Ph: 9845411299)

Prof. Ghanshyam K. Vala (9845172211)



A WORKSHOP ON

Foundations of Data Science: Theory and Applications



3rd, 10th and 17th February 2018

Organized by

**Department of CSE, PES University South
Campus, IEEE Computer Society Bangalore
Section and the Center for Applied
Mathematical Modeling and Simulation
(CAMMS)**

Websites: astring.org,
<https://www.researchgate.net/project/Foundations-of-Data-Science>

PES University, Bangalore South Campus

Hosur Road
(1km before Electronic City)

Bangalore – 560100

Ph: 080-28521631, 28521632

Fax: 080-28521630

Website: <http://www.pes.edu>

About the Institution

Peoples Education Society (PES) was established in 1972. PES runs a group of premier institutions that offer a multitude of diploma, undergraduate and postgraduate degree programs in Commerce, Engineering, Management, Medicine, Pharmacy and Science disciplines.

PESIT-BSC received AICTE approval in 2005. PESIT-BSC, affiliated to the Visveswaraya Technological University (VTU), Belagavi, Karnataka, offers four year undergraduate engineering degree programs in Computer Science, Electronics, Information Science, Mechanical Engineering as well as postgraduate programs: MTech (ECE, CSE), MBA and MCA. It hosts research centers recognized by VTU that offer mentoring for MSc (Engg) and PhD.

About the Center (CAMMS)

The PES Center for Applied Mathematical Modeling and Simulation is involved in quality research in the areas of Mathematical Modeling, Infometrics and Astroinformatics. It currently focuses on the design of complex computer experiments, methods and tools to solve computational problems in Astronomy, Large data sets in Infometrics, Finance and Healthcare. Undergraduate and graduate researchers at the Center work at the interface of cross disciplines such as biology, mathematics, astronomy and information science. The Center is committed to create and disseminate knowledge in the core areas of machine learning, mathematical modeling and statistical applications.

About the Workshop

What is taught in this workshop?

This is an introductory course in essential concepts on Statistical decision theory, design of experiments and forecasting. Lectures are designed to build foundations in the mathematical tools and applications that are increasingly being leveraged in day to day practice. Participants will be exposed to nuances in theory and implementation.

Who should attend this course?

Aspirants in data analytics ranging from daily practitioners to someone willing to pursue serious academic career in data science will find the course useful. The course may supplement empirical applications and/or provide a baseline for further pursuit. The course is essential for graduate researchers in computer science.

Who will tutor this course?

Center Head-CAMMS and experienced experts from the industry, academics and researchers in the relevant domain.

What are the pre-requisites for this course?

Basic knowledge of probability and distributions may be handy. Basic knowledge of programming in Python would be a plus, though not necessary to understand concepts and methods.

How is this course structured?

Feb 3 includes the motivation for data science, mathematical foundations, data visualization, regression models and basics of R.

Feb 10 includes an introduction to hypothesis testing, design of experiments, factor analysis and applications.

Feb 17 covers talks on applications in several areas in Science and Engineering.

Participants are encouraged to bring their own laptops. Instructions for installation and other details will be emailed to the participants a couple of days before the workshop.

Each participant would be given a certificate at the end of the course. Please report to the Main Building of PESIT-BSC by **8:30am** on Day 1.

Registration form

Student

Name.....

Course: BE/ MS/ M.Tech. Branch..... Semester.....

College.....

PhD Scholar/ Faculty/ Professional

Name.....

Designation.....

Institution.....

Contact details

Address.....

.....

.....

Email.....

Contact number.....

Declaration (for candidates being sponsored)

Ms./Mr.

is a member of our institution and has been sponsored/ nominated to attend this workshop.

.....
Signature/ seal of Principal/HOD/ Manager

Enclosed cheque/ DD for Rs..... Dated.....

Cheque/ DD number: