One Week *online* STTP on "Linear Algebra and Statistics for Engineers and Scientists" (LA & SES - 2020) (2<sup>nd</sup>September to 6<sup>th</sup>September 2020)

Sponsored by Technical Education Quality Improvement Programme (*TEQIP- Phase III*)

#### **REGISTRATION FORM**

Complete the registration using following link by 1<sup>st</sup>September 2020, 12:00 Hrs (Noon):

https://forms.gle/xzanMna8KqMzbJ2M8

There is no registration fee for this online STTP.

E-Certificate will be issued on successful completion of programme.

### **ELIGIBILITY**

All Faculties, Research Scholars (Engineering and Science) are eligible for the programme. Confirmation of eligible candidates will be on **FIRST-COME-FIRST-SERVE** basis up to a maximum intake capacity. Registration form should reach the coordinator till 1<sup>st</sup>September 2020, 12:00 Hrs (Noon).

Registration will be confirmed by e-mail.

### **DATE AND VENUE**

STTP will be held during 2<sup>nd</sup> September to 6<sup>th</sup> September 2020, using CISCO WebEx online platform. Programme link & schedule will be shared separately by email.

## PATRONS

**Dr. Abhay Wagh** Director Directorate of Technical Education,

#### **Dr. Mahesh Shivankar**

Maharashtra State, Mumbai

Joint Director Technical Education, Regional Office, Aurangabad

#### CONVENER

Dr. P. B. Murnal

Principal Government College of Engineering, Aurangabad

TEQIP-III CO-ORDINATOR Dr. S. S. Mohite Professor in Mechanical Engineering

CO-ORDINATORS

Prof. Santosh P. Atipamulu Associate Professor in Mathematics (Mob. No. 9518371520)

Prof. S.M. Desai Associate Professor in Physics, (Mob. No. 9422204770)

#### **ORGANISING COMMITTEE**

Prof. Sunil D. Ahirrao Associate Professor in Mathematics (Mob. No. 9225121202) Prof. Suneeta B. Mote

Assistant Professor in Physics (Mob. No. 9881109058) Prof. Rahul B. Mannade

101. Kanui D. Mannaue

Assistant Professor in IT (Mob. No. 9405504799) One Week *online* STTP on "Linear Algebra and Statistics for Engineers and Scientists" (LA & SES - 2020)

(2<sup>nd</sup> September to 6<sup>th</sup> September 2020))

## Government College of Engineering, Aurangabad



### **Sponsored By:**



Technical Education Quality Improvement Programme

## **Organized By:**

Government College of Engineering Aurangabad – 431005 Phone:0240-2366300 Website: www.geca.ac.in

## **ABOUT GOVERNMENT ENGINEERING COLLEGE, AURANGABAD**

The institute is established in 1960 and is functioning as an autonomous institute since 2006. Government of Maharashtra, University Grant Commission (UGC) and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, has conferred the status of autonomous college to all U.G. & P.G. programs of the institute.

# **ABOUT THE COURSE**

In recent years linear algebra and statistics become the most important subjects for higher studies in engineering, science, including humanities. In this workshop the experts from different fields of engineering and mathematics will deliver lectures. Our aim is to give exposure to different areas of engineering and science where these two subjects are playing an important role.

This workshop will also be a great opportunity for new researchers to learn the techniques of linear algebra and statistics to implement in their research. This workshop will bring the new line of thinking among the teachers and researchers in their own field.

## **Major Course Contents:**

**RESOURCE PERSONS:** 

- > Matrices, system of equations, Gram Schmidt Process
- Eigenvalues and Eigenvectors, Diagonalization, LU decomposition
- Four Fundamental Subspaces associated with a matrix and Applications in Signal Analysis
- Normal Distribution, Central Limit Theorem, Sampling Distributions,
- > Important Statistics Point and Interval Estimation,
- > Method of Estimation, Testing of Hypothesis

Matrix Factorization-SVD



**Dr. Y. V. Joshi** Director, Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded 431606, India.



**Dr. Vivek Vijay** Assistant Professor Department of Mathematics Indian Institute of Technology Jodhpur

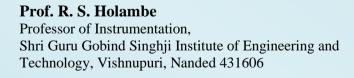


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