

**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,  
Maharashtra State, Mumbai

**Dr. Mahesh Shivankar**

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**

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**Government College of Engineering,  
Aurangabad**



**Sponsored By:**

**TEQIP – III**

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:

- 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
- Matrix Factorization-SVD
- Normal Distribution, Central Limit Theorem, Sampling Distributions,
- Important Statistics Point and Interval Estimation,
- Method of Estimation, Testing of Hypothesis

## RESOURCE PERSONS:



**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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