One Week *online* STTP on

"Linear Algebra and Statistics for Engineers and Scientists"
(LA & SES - 2020)

(2ndSeptember to 6thSeptember 2020)

Sponsored by

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

REGISTRATION FORM

Complete the registration using following link by 1stSeptember 2020, 12:00 Hrs (Morning):

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 **1stSeptember 2020, 12:00 Hrs (Morning).**

Registration will be confirmed by e-mail.

DATE AND VENUE

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

PATRONS
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Government College of Engineering, Aurangabad

Sponsored By:

TEQIP – III
Technical Education Quality Improvement Programme

Organized By:

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Aurangabad – 431005
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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:

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