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COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

41  
years

## DEPARTMENT OF MATHEMATICS

is Organizing a National Webinar

on

## STATISTICAL ANALYSIS AS AN INTERFACE IN ENGINEERING PROBLEMS

13<sup>th</sup> July, 2020; 11:00 AM - 01:00 PM

Faculty of all Engineering, Mathematics and Statistics Discipline can Participate

**Speaker: K L A P SARMA**

Former Professor, Department of Statistics,  
S.K. University, Anantapur.

Convener: **Dr. B. R. SREEDHAR**  
Co-Convener **Dr. G. NARSIMLU**  
Coordinator: **Mr. M. AMARNATH**

Chairman: **Prof. P. RAVINDER REDDY, PRINCIPAL**  
**Prof. P. RAJ REDDY**, Head of the Department

👉 Use the Link to Join: <https://forms.gle/8nAYokqYv7Rw27Es8>

☞ **E-Certificate will be issued to all the Participants after feedback**

## Objectives of the Webinar

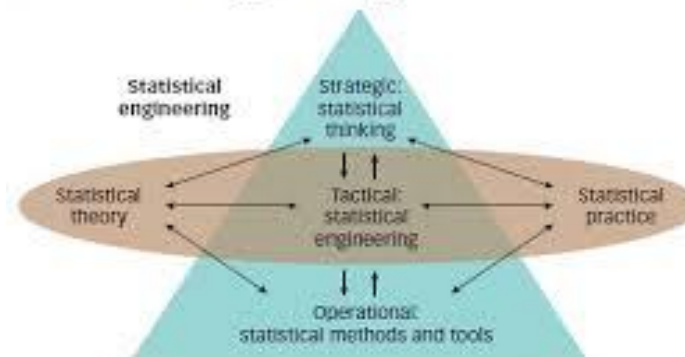
- Identifies the role that statistics can play in the engineering problem solving process.
- Observes the differences between enumerate and analytical studies
- Explains the differences between mechanistic models and empirical models
- Explores how Probability models are used in Engineering and Science

## Expected Webinar Outcome

The Participants will be able to

- Develop a clear and concise description of the Problem
- Refine the Model on the basis of assumptions.
- Propose a model for the Problem using scientific or engineering knowledge of the phenomenon being studied
- Manipulate the model to assist in developing a solution to the problem.
- Draw conclusions based on the problem solution.

### The statistics discipline as a system: statistical engineering / FIGURE 1



Statistical engineering is a discipline that studies how to drive greater impact from the existing science or theory of statistics. It is therefore a "horizontal slice," connecting statistical theory with statistical practice.