

# SAI VIDYA INSTITUTE OF TECHNOLOGY

Rajanukunte, Doddaballapura Road, Bengaluru-64, Karnataka



A REPORT

ON

## **Webinar - "Sampling Theory"**

Organised by

**Department of Mathematics**

Coordinated by

**DR. ARUNKUMAR R**

Held at

Sai Vidya Institute of Technology

On

8<sup>th</sup> July 2020

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## **Webinar on "Sampling Theory"**

Organized by **Department of Mathematics**

Coordinated by **DR. ARUNKUMAR R**

Name of the convener: **Dr. Lakshminarayanachari K**

Resource Person: **Dr. Pandurangappa C**  
**Professor and Head**  
**Department of Mathematics, Dean (Administration),**  
**University BDT College of Engineering (A Constituent College of VTU)**  
**Davanagere.**

**Signature of the Coordinator with date:**

**Signature of the HOD with date:**

**Signature of the Head-IQAC with date:**

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## Report on "SAMPLING THEORY"

A webinar on "Sampling Theory" was organized by Department of Mathematics, SVIT on 8th July 2020. **Dr. Pandurangappa C**, Professor and Head, Department of Mathematics, Dean (Administration), University BDT College of Engineering (A Constituent College of VTU) Davanagere was the resource person.

The programme started with welcome note by the HOD, Mathematics, **Dr. Lakshminarayanachari K**, with an objective about the importance of Sampling Theory in Engineering.

**Dr. Arun Kumar R**, Associate Professor and faculty coordinator for the webinar introduced the resource person **Dr. Pandurangappa C**, presently working as a Professor and Head, Department of Mathematics and Dean (Administration), University BDT College of Engineering Davanagere.

The guest speaker **Dr. Pandurangappa C** obtained his Ph.D in Mathematics from Bangalore University. He has a vast experience of more than 2 decades. He is an author for various Mathematics books in engineering. He has published more than 30 research articles in various national and international reputed journals. Besides, under his guidance, 2 students got awarded Ph.D degree and 4 more students are pursuing their Ph.D degree. He has worked as BOE member, BOS member for VTU and various other autonomous Institutions.

The **Content** of the webinar was as follows:

- Introduction to Sampling Theory
- Small and Large Samples
- Normal distribution
- z distribution
- t distribution
- Chi Square distribution
- Applications of Sampling theory in engineering field.

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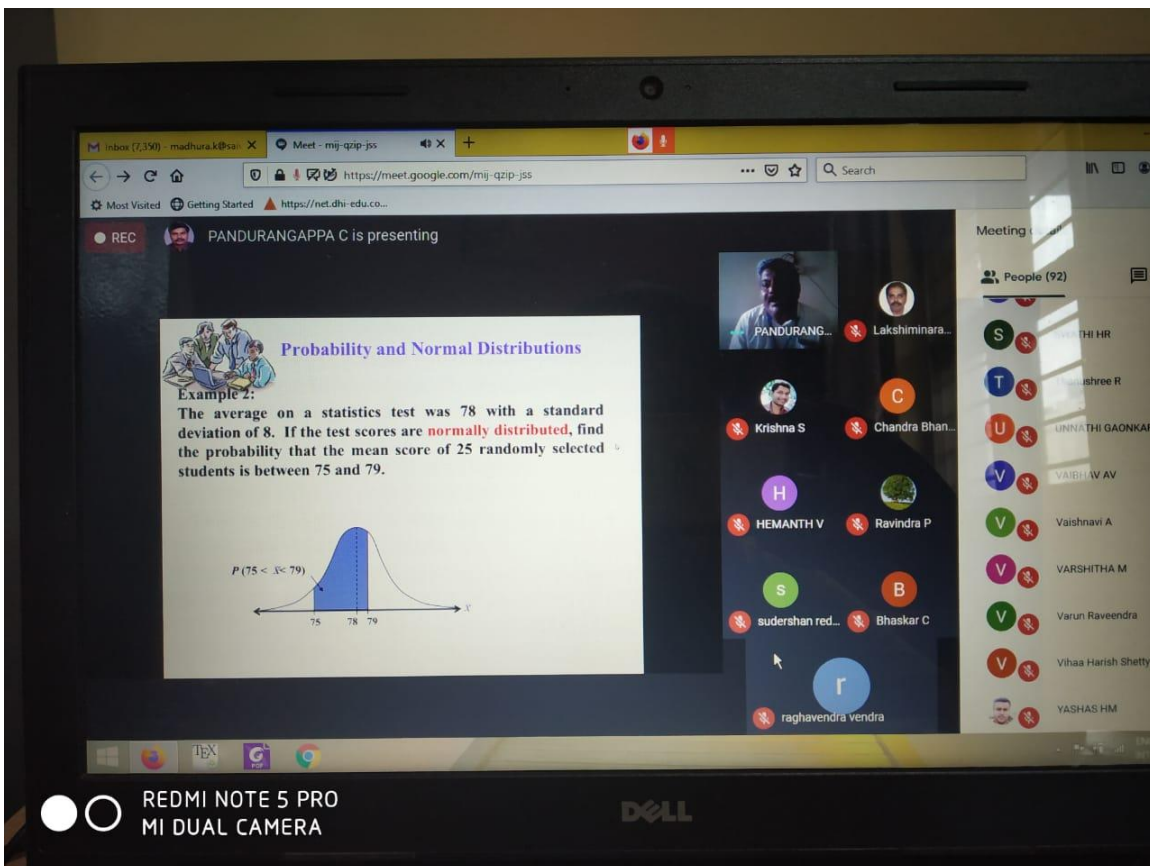
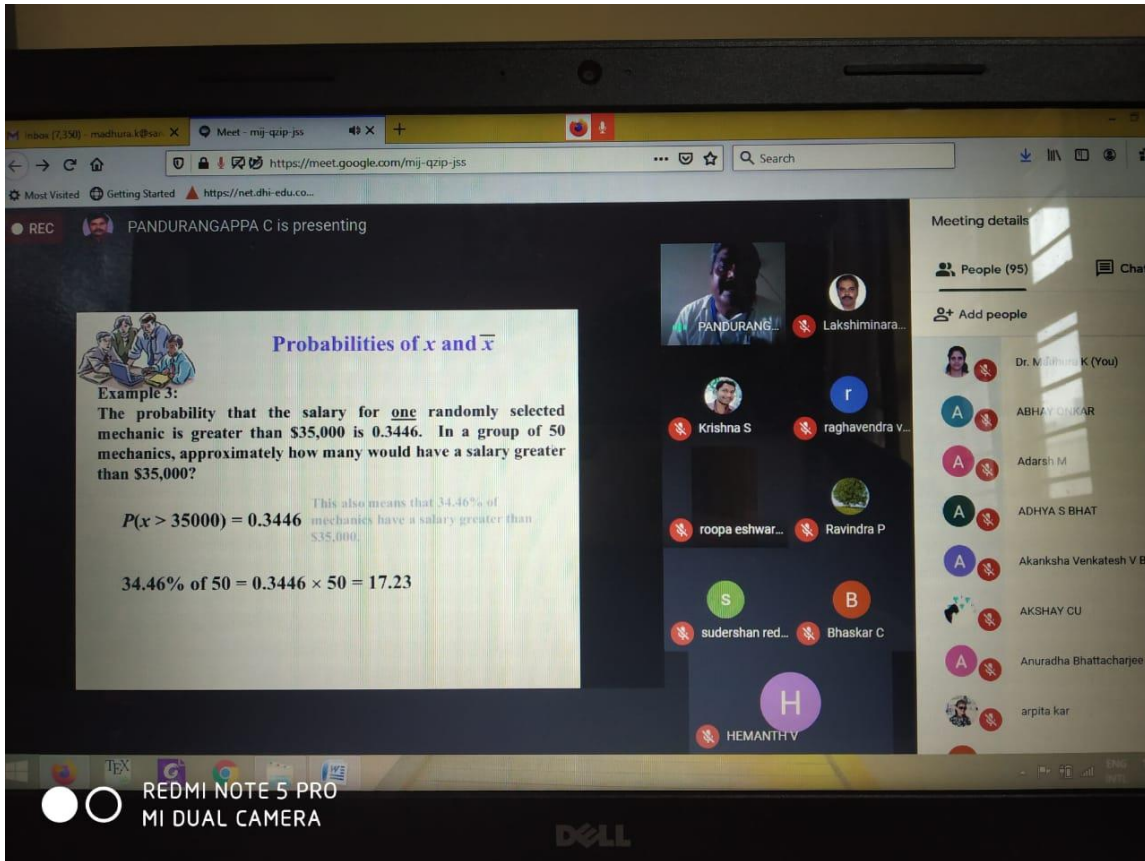
## **Objectives and Learning outcomes**

The main intention of this webinar is to provide an interdisciplinary forum for academicians, faculty, researchers and students engaged in the full spectrum of research to discuss innovations and challenges in Science and Technology.

The objectives of this webinar were to understand the types of samples, various distributions in sampling theory and its applications in engineering field. The Research Scholars and the Engineering Students gained the knowledge of z distribution, t distribution, normal and chi-square distributions, which are applicable in the conversion of analog to discrete form, modulation and demodulation systems, in sensor data evaluation systems, Radar and radio navigation systems etc.

As a learning outcome, the webinar aims to provide opportunities to faculty members, research scholars and the students to enrich their knowledge in the field of research. The webinar of this kind helps in monitoring and assessing their own learning to achieve the desired outcome.

# Photo Gallery



# Certificate copy



## SAI VIDYA INSTITUTE OF TECHNOLOGY

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### CERTIFICATE OF PARTICIPATION

**PAVITHRA H M**

This is to certify that Mr/Ms/Prof/Dr.....of  
**PES Institute of Technology (South Campus)**.....has participated in the Webinar  
'**SAMPLING THEORY**' organised by the Department of Mathematics, Sai Vidya Institute of Technology, Bengaluru on  
08<sup>th</sup> July 2020.

Dr. Arunkumar R  
Faculty Coordinator

Dr. Lakshminarayanachari K  
HOD, Dept. of Mathematics

Dr. H. S. Ramesh Babu  
Principal