REPORT OF ONLINE PROBLEM SOLVING SESSION

- **TITLE OF THE EVENT/ PROGRAMME:** ONLINE PROBLEM SOLVING SESSION
- **THEME OF THE EVENT/ PROGRAMME:** Problems relating to Sampling Distributions
- **ACADEMIC SESSION:** 2024 - 25
- **DATE:** 5th October, 2024, Saturday at 7:00 pm
- **MODE**: Online
- **OBJECTIVE/ PURPOSE:** The objective of this online problem-solving session is to develop and enhance critical thinking, analytical, and problem-solving skills of the students. It will help the students to move beyond mindless memorization of formulas and procedures to a deeper understanding of Statistical concepts.
- **SPEAKER/S / RESOURCE PERSON/S: Resource Person** : Prof. Bimal Kumar Sinha, University of Maryland, Baltimore County, USA
- **ORGANIZED BY:** Department of Statistics in collaboration with IQAC, Asutosh College
- **TARGET AUDIENCE/ PARTICIPANTS:** Students of Semester V from Statistics Honours Course
- **ATTENDANCE SHEET:**

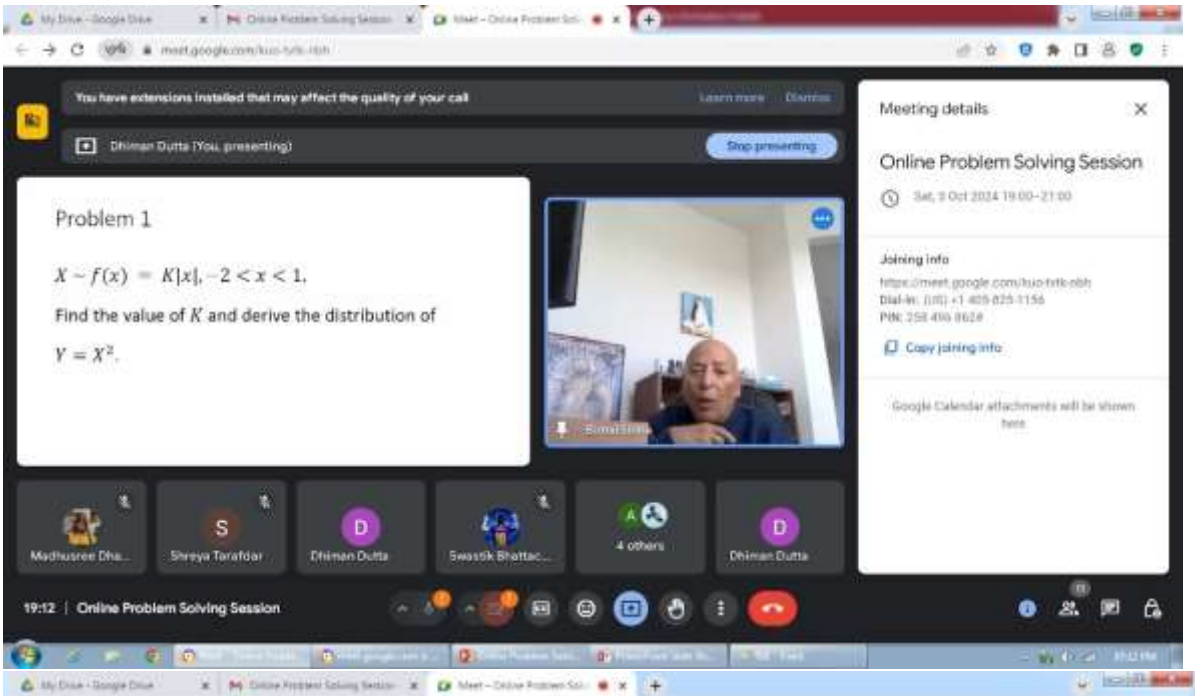
Name	**Semester**
Soumyadip Mondal	5
Aranyo Sengupta	5
Madhusree Dhara	5
Debojit Roy	5
Swastik Bhattacharya	5
Soumabha Bhim	5
Shreya Tarafdar	5

Ananya Paul	5
Debjyoti Mondal	5

- **BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:** The session began with a welcome address by the Head of the Department introducing Prof. Bimal K Sinha.
  Participants were presented with a series of problems relating to sampling distributions. Participants were encouraged to come up with their own ideas with step-by-step guidance from Prof. Sinha. Participants were encouraged to share their approaches and reasoning, promoting collaborative learning.
  Emphasis was given on understanding the problem, breaking it into smaller parts, and using logical steps to reach a solution.
  In the end, Prof. Sinha gave a quick recap of the problems solved during the session and emphasised on the key takeaways. Participants shared their experiences and discussed any challenges faced during the session.

- **EXPECTED OUTCOME:**
  - The participants will develop a deeper understanding of the concepts involved in the problem.
  - They will learn new techniques for solving the problems.
  - They will be able to demonstrate a clear and logical step-by-step approach to solving the problem.
  - The session should provide the participants with exposure to a variety of problem types, enabling them to recognize patterns and apply solutions to similar problems.

- **GEO-TAGGED PHOTOGRAPHS:**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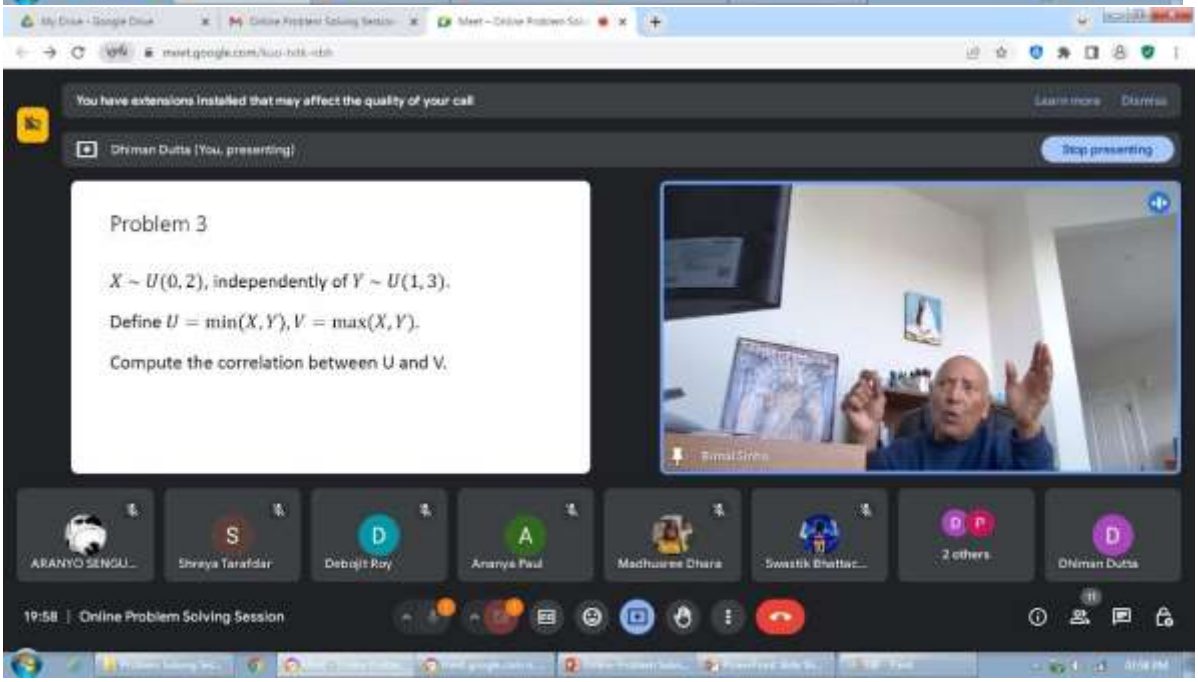
Learn more
Dismiss
Dhiman Dutta (You, presenting)
Stop presenting
Problem 1
$X \sim f(x) = K|x|, -2 < x < 1.$
Find the value of K and derive the distribution of
$Y = X^2$.
Meeting details
Online Problem Solving Session
Sat, 5 Oct 2024 19:00–21:00
Joining info
Copy joining info
Google Calendar attachments will be shown here
Madhusree Dha...
Shreya Tarafdar
Dhiman Dutta
Swastik Bhattac...
4 others
Dhiman Dutta
19:12 | Online Problem Solving Session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Problem 3
$X \sim U(0,2)$, independently of $Y \sim U(1,3)$.
Define $U = \min(X,Y), V = \max(X,Y)$.
Compute the correlation between U and V.
ARANYO SENGU...
Shreya Tarafdar
Debojit Roy
Ananya Paul
Madhusree Dhara
Swastik Bhattac...
2 others
Dhiman Dutta
19:58 | Online Problem Solving Session