# FDP Report

Title: Four Days International FDP on Probability and Statistics for Data Science

Jointly Organized by IQAC- Internal Quality Assurance Cell, Government College (Autonomous)Rajahmundry, *(Estd:1853, Affiliated to Adikavi Nannaya University) Accredited by NAAC (RAF-2017) with $A^+$ grade (CGPA 3.38/4.00)* East Godavari District, Andhra Pradesh, India.

& Dept. of Research & Publication, A2Z EduLearningHub LLP, Kerala, India

*Date & Time: 13th, 14th, 15th & 16th July 2022 @ (IST) 7.00 pm to 8.30 pm*

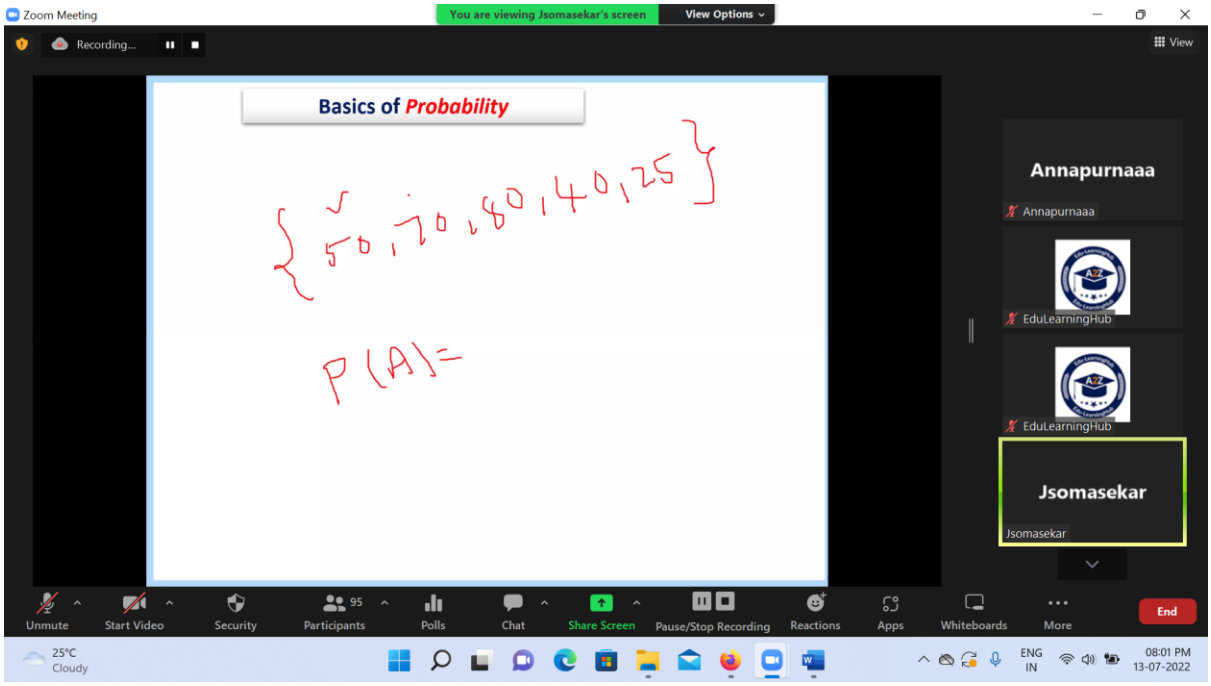
Venue: Online ( Zoom )
Resource Person:
Dr. J. Somasekar
Professor & Head,
Department of Computer Science & Engineering
Gopalan Engineering College, Bangalore, India

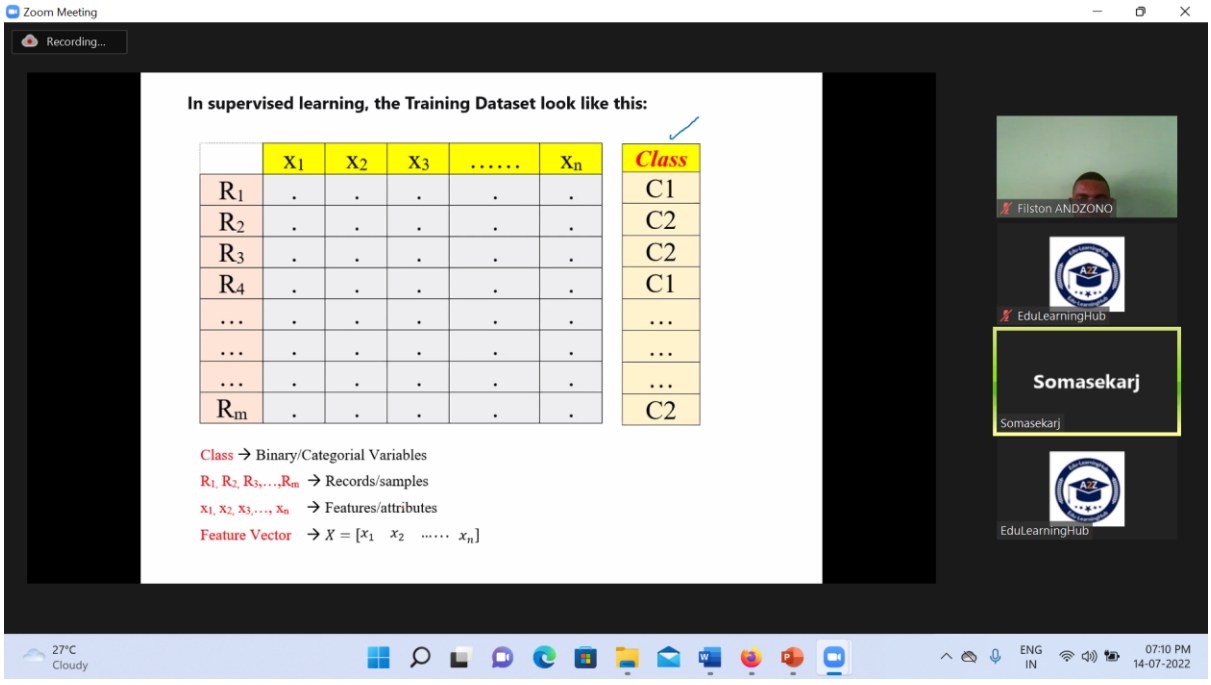
Topics covered:

**Day-1:**
Data Science (DS) & ML Basics , Essentials Maths for DS , Probability theory
How Data Scientists use Probability Theory, Intuition of Bayes theorem & Naïve Bayes Classifier (NBC), NBC Applications & Case Studies
**Day-2:**
NBC Case Studies: Healthcare, Cyber Security, Movie Recommender Systems
Emotion detection/Sentiment Analysis , Email Spam filtering
Pharma Industry, Text Classification, Evaluation Measures
**Day-3:**
Regression Analysis in ML , The intuition of Linear and Multiple Regression
Applications , Regression Models Evaluation: R2,MSE, MAE, Case Studies of Regression
**Day-4:**
Statistics Basics, Descriptive Statistics , Exploratory Data Analytics (EDA)
Statistics for EDA, Methods to Imputing Missing Data , Covariance
Correlation Coefficient for Data Science, Research Directions

Total Participants attended: 92 ( Indian participants 79, Foreign participants 13)

## Screen shots

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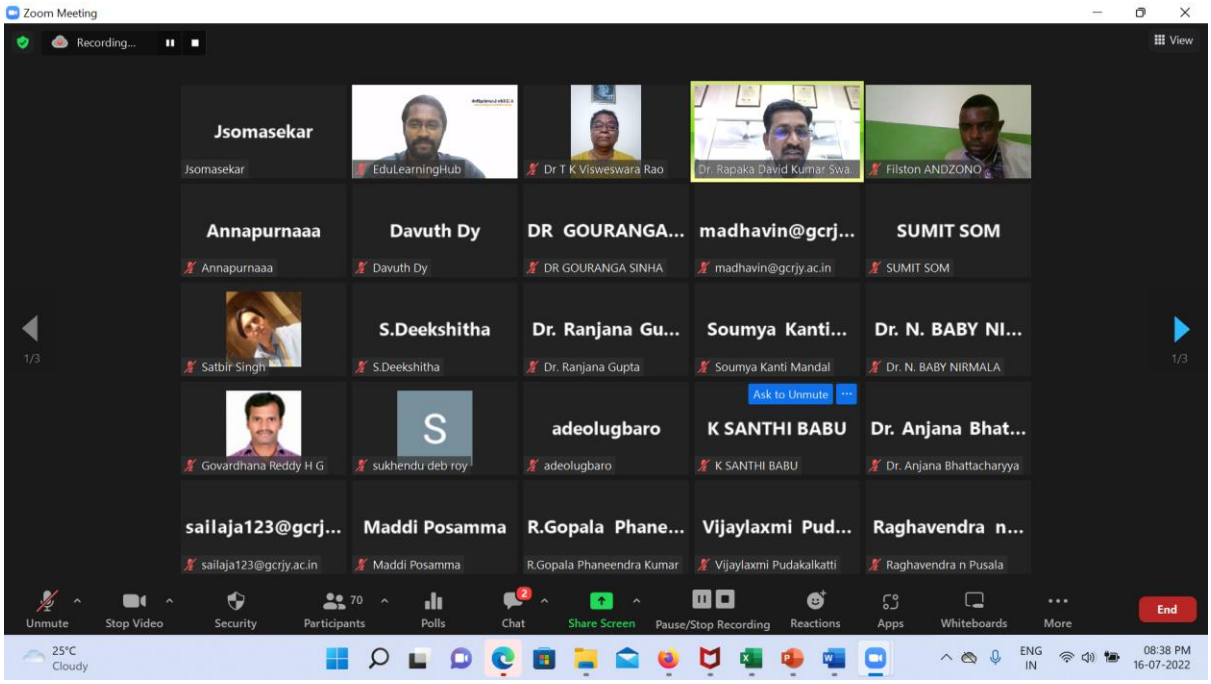
Zoom Meeting
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Jsomasekar
EduLearningHub
Dr T K Visweswara Rao
Dr. Rapaka David Kumar Swa...
Filston ANDZONO
Annapurnaaa
Davuth Dy
DR GOURANGA...
madhavin@gcrj...
SUMIT SOM
Satbir Singh
S.Deekshitha
Dr. Ranjana Gu...
Soumya Kanti...
Dr. N. BABY NI...
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Govardhana Reddy H G
sukhendu deb roy
adeolugbaro
Ask to Unmute
K SANTHI BABU
Dr. Anjana Bhat...
sailaja123@gcrj...
Maddi Posamma
R.Gopala Phane...
Vijaylaxmi Pud...
Raghavendra n...
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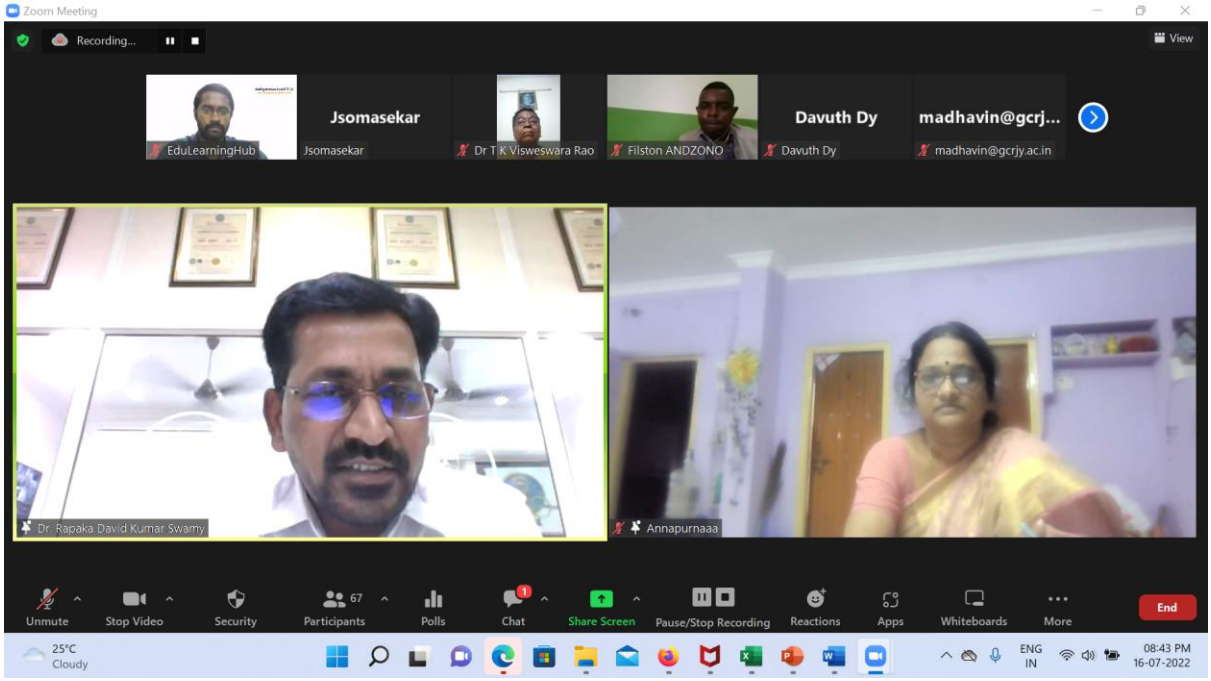
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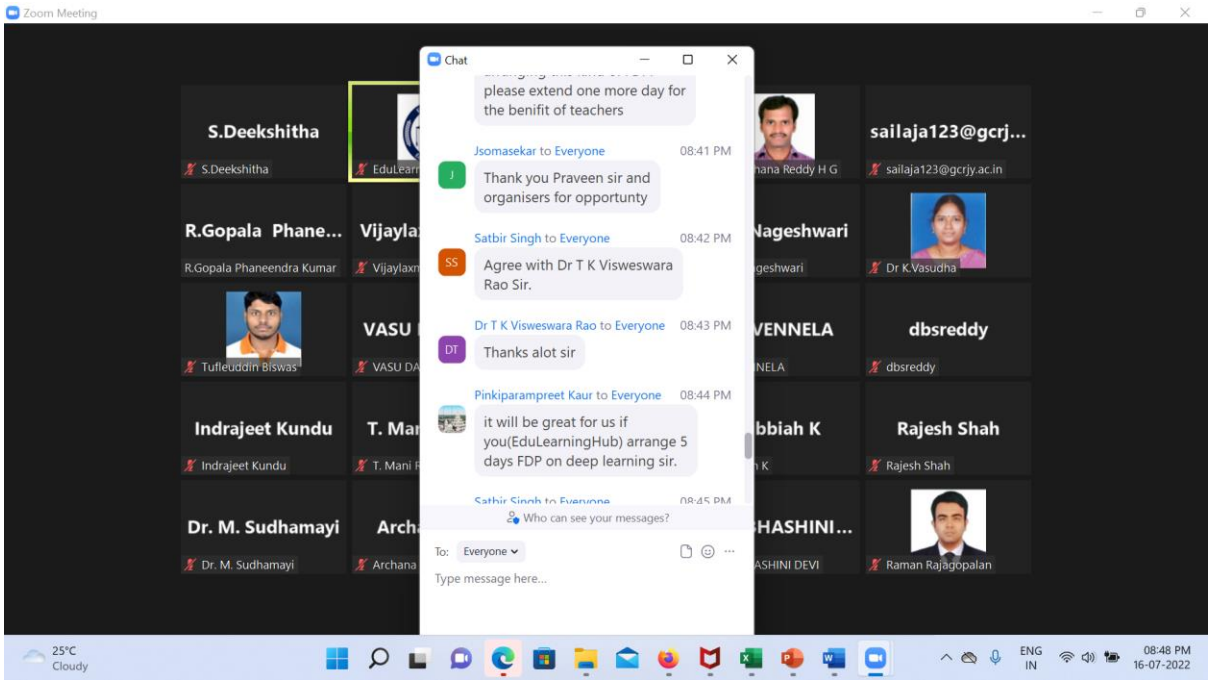
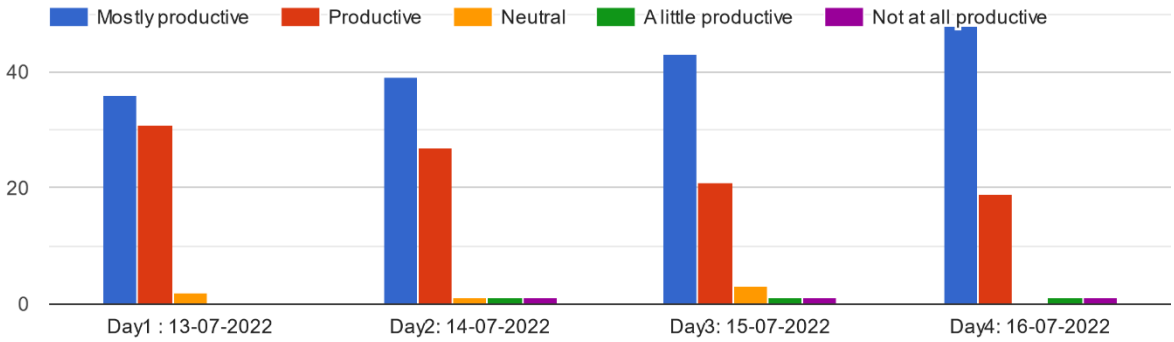



How productive was the sessions?




Poster

Four Days International FDP on

# Probability and Statistics for Data Science

**Who can participate:**
Research Scholars
Faculty members
PG/UG students.

**PLATFORM**
zoom

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**Internal Quality Assurance Cell (IQAC)**
**Government College (Autonomous)**
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- NBC Applications & Case Studies

**Day-2:**
- NBC Case Studies:
  - Healthcare
  - Cyber Security
  - Movie Recommender Systems
  - Emotion detection/Sentiment Analysis
  - Email Spam filtering
  - Pharma Industry
  - Text Classification
- Evaluation Measures

**Day-3:**
- Regression Analysis in ML
- The intuition of Linear and Multiple Regression
- Applications
- Regression Models Evaluation: $R^2$,MSE, MAE
- Case Studies of Regression

**Day-4:**
- Statistics Basics
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- Exploratory Data Analytics (EDA)
- Statistics for EDA
- Methods to Imputing Missing Data
- Covariance
- Correlation Coefficient for Data Science
- Research Directions

**Date :** 13th, 14th, 15th & 16th July 2022 **Time:** 7.00pm to 8.30pm IST

**Fee:**
Indian participants ₹475
Foreign Participants $ 10

For Registration, visit
**www.edulearninghub.com/fdp**

Training certificate that has credential ID will be issued after completion of the FDP.