



**DEPARTMENT OF STATISTICS
FACULTY OF MATHEMATICAL
SCIENCES**

UNIVERSITY OF DELHI, DELHI-110007



Effective MLOps using Weights & Biases

Date: 10th May, 2023

Mode: Online

Type of event: Webinar

Duration: 1.5 hrs

No. of participants from our batch: 75

Departments involved: Department of Statistics

ABOUT THE SPEAKER:

Miss Usha is an AI consultant and corporate trainer and she is the World's first women triple Kaggle Grandmaster .She specializes in Deep Learning , Generative AI and Probabilistic Graphical Models and was also one of the judges of Tiger Graph “ Graph for all - Million Dollar Challenge” in 2022 and the judge for Intel oneAPI Hackathon organized by Intel software in 2022 .

INTRODUCTION:

Credence, The Placement Cell of Department of Statistics, University of Delhi, recently conducted a knowledge sharing webinar on the topic "Effective MLOps using Weights & Biases" lead by Ms. Usha Rengaraju, a renowned expert in the field of Machine Learning. She is ranked among the top ten Data Scientists in India and one of the winners of the "ML in Action" competition organised by the ML developer programs team at Google.

With " Effective MLOps: Model Development " as the central theme, the session was designed to provide valuable insights into the world of Machine Learning Operations (MLOps) and how bringing Machine Learning models to production is a challenge, with a continuous iterative lifecycle that consists of many complex components. The talk also covered a range of topics related to the use of Weights and Biases in building and deploying effective Machine Learning models.

KEY TAKEAWAYS:

The session on "Effective machine learning operations using Weights & Biases" offers invaluable insights into optimizing ML workflows. The participants learned to integrate Weights & Biases for streamlined experiment tracking, visualization, and collaboration. Students got to know the practical tips to enhance model performance, reduce resource usage, and enable real-time monitoring and debugging. On attending this session, individuals elevated their proficiency in managing ML projects, leveraging Weights & Biases to achieve optimal results and drive innovation.

ENTHUSIASTIC PARTICIPATION:

Participants had the opportunity to seek clarification, share their perspectives, and delve deeper into specific aspects of the machine learning. The speakers inspired and guided our students on their career paths.

IMPACT:

1. Realizing the importance of Machine learning operations and insights about it.
2. Understanding the use of Weights and Biases in building and deploying effective Machine Learning models.

CONCLUSION:

The session organized by Credence - The Placement Cell, Department of Statistics at the University of Delhi successfully achieved its objective of providing students with valuable information about Machine Learning and how bringing Machine Learning models to production is a challenge.

