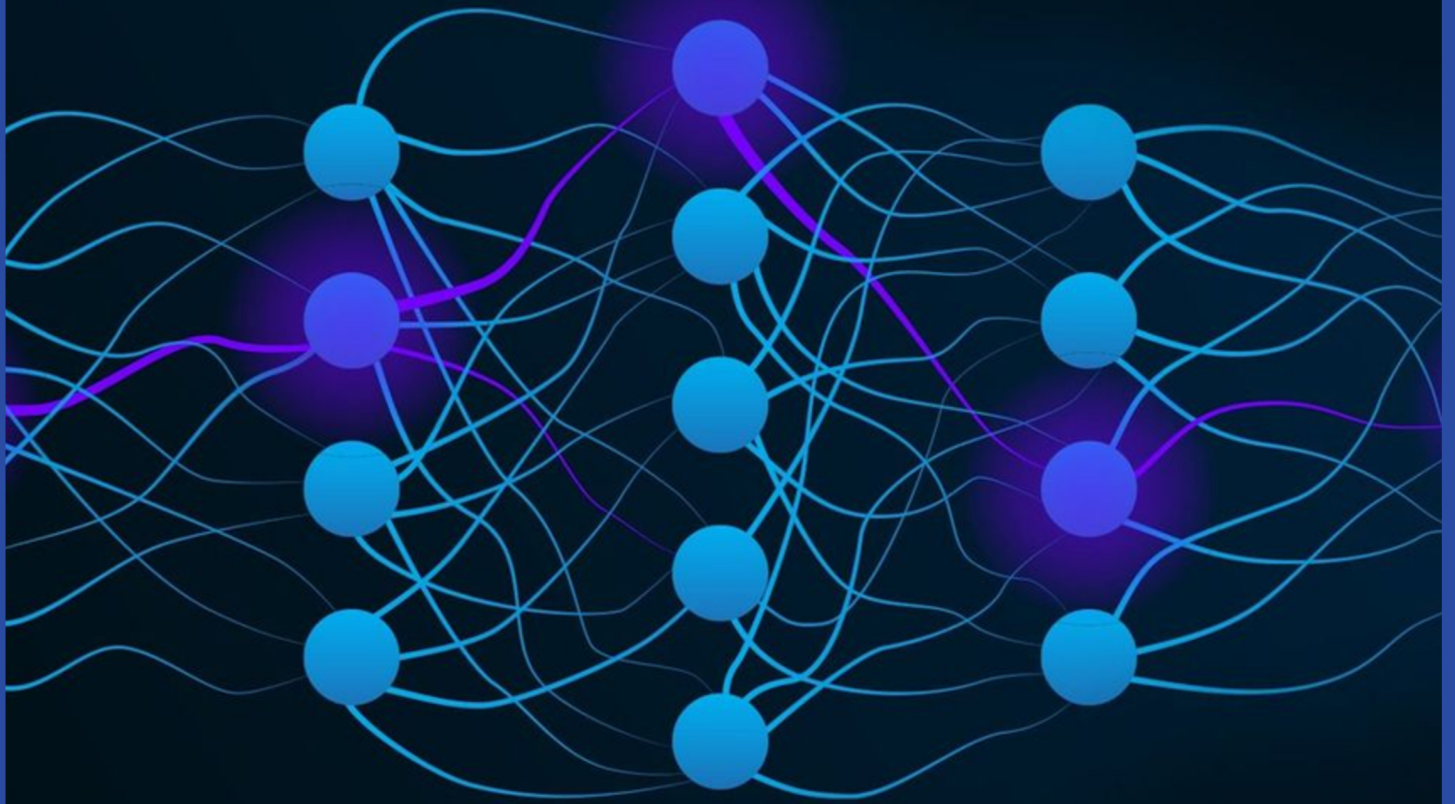




NSDC MEC



NEURALNET NEXUS

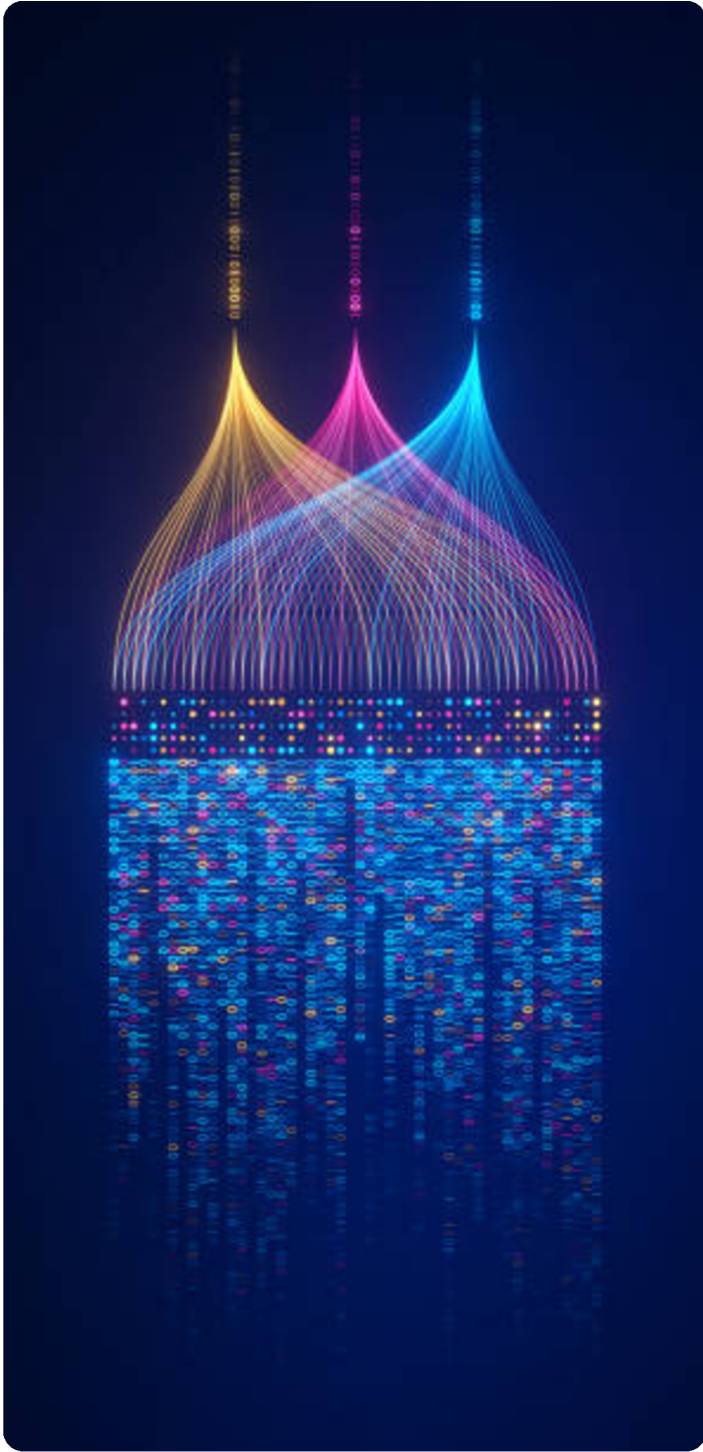
In Collaboration with
EXCEL MEC

Date
DEC 2024 - JAN 2025

**JANUARY
2025**

nsdc.mec.ac.in

INTRODUCTION



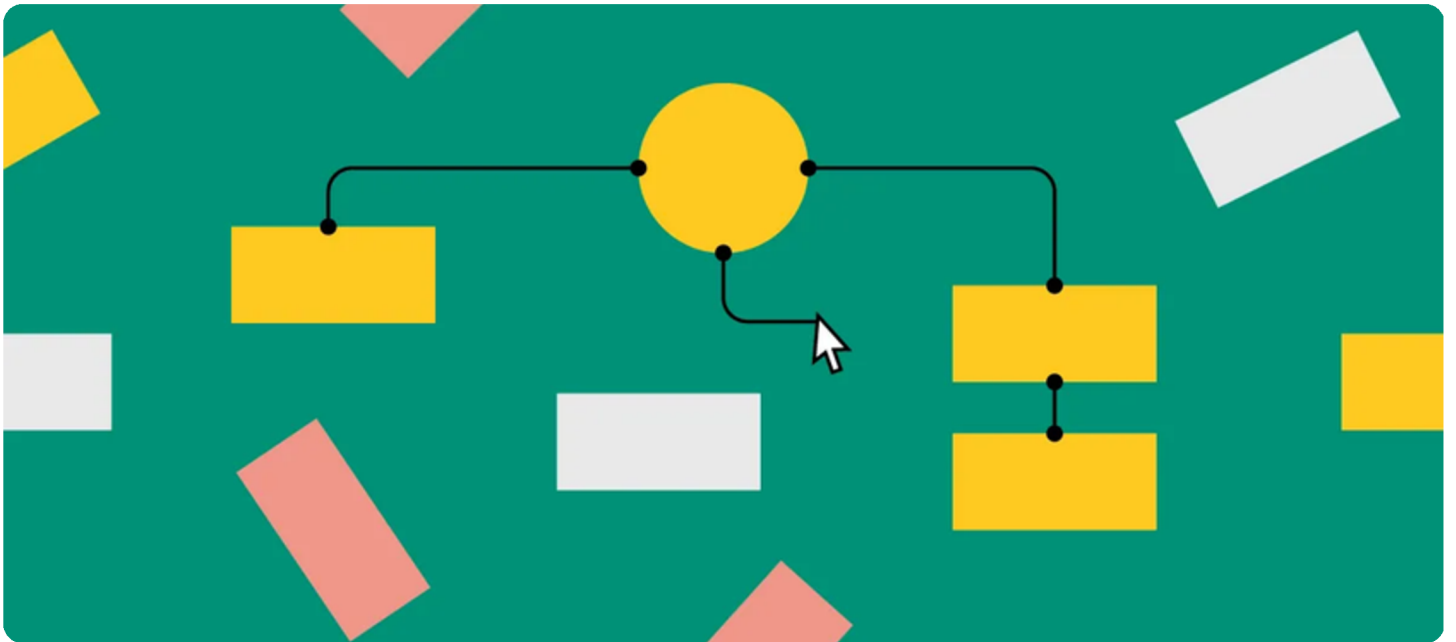
What is NeuralNet Nexus?

NeuralNet Nexus, presented by NSDC MEC in collaboration with Excel 2024, was an engaging online competition designed for machine learning enthusiasts. The event provided a platform for participants to explore artificial intelligence, train datasets, and solve real-world challenges through innovative problem-solving techniques.

The competition spanned three days, during which participants worked with a provided dummy dataset and a problem statement derived from a real-life scenario. The challenge assessed their ability to develop accurate and generalizable machine learning models. The event saw international participation, adding to the diversity of approaches and perspectives shared.

This report captures the essence of NeuralNet Nexus, highlighting the competition's structure, participation, and impact on fostering AI-driven innovation.

EVENT STRUCTURE



The event followed a single-round format conducted over three days.

Upon registration, participants received detailed guidelines via email, ensuring they had the necessary instructions to access and participate in the challenge.

Registration Start Date

29th December 2024

Registration End Date

16th January 2025

Problem Statement Release

20th January 2025, 12:00 AM

Submission Period

20th JAN to 23rd JAN

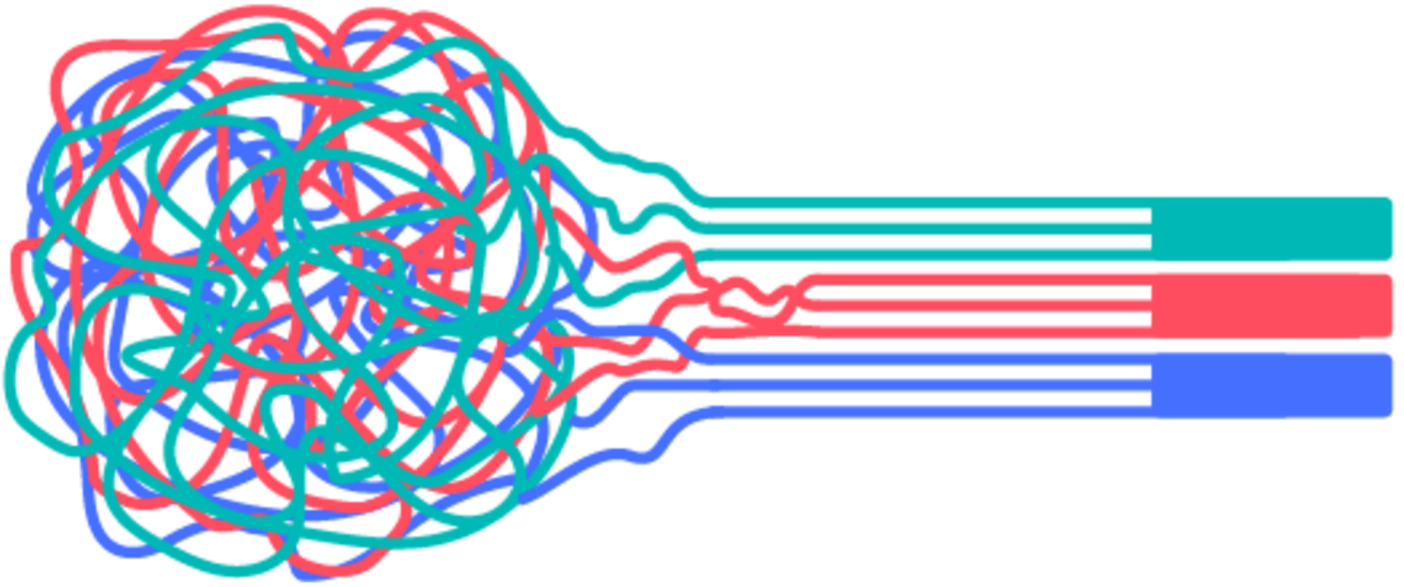
Team Size

1 TO 2 MEMBERS

Prize Pool

₹8000

THE CHALLENGE



The Participants were provided with a dummy dataset and a problem statement that reflected a real-world use case. Their objective was to develop a machine learning model that demonstrated both high accuracy and strong generalization across the dataset.

The challenge encouraged:

- Creative feature engineering
- Efficient algorithm selection
- Robust model evaluation techniques

Participants were judged based on their model's performance, innovative approach, and ability to generalize solutions to unseen data.

PARTICIPATION & ENGAGEMENT

NeuralNet Nexus attracted a diverse group of AI and machine learning enthusiasts, from students to early-career professionals. The online nature of the event allowed for broad participation, with teams leveraging various ML tools and frameworks to tackle the challenge. The competition also received international participation, further enhancing the global appeal and exchange of ideas within the field.



Awards & Recognition

The event concluded with an announcement of the top-performing teams who demonstrated outstanding machine learning proficiency. The **winners** of NeuralNet Nexus were:

First Prize

Shamla Bois

Second Prize

CodeTitan

Third Prize

CodeKnights

The top three teams were awarded cash prizes from the ₹8000 prize pool, recognizing their analytical skills and problem-solving capabilities.

CONCLUSION



Conclusion

NeuralNet Nexus, organized by NSDC MEC in collaboration with Excel 2024, served as a dynamic and challenging platform for machine learning practitioners to apply their knowledge in a competitive setting. The event successfully fostered innovation, problem-solving, and collaboration in the field of artificial intelligence. With high engagement, competitive spirit, and international participation, the challenge underscored the growing significance of AI in real-world applications, encouraging participants to continue pushing the boundaries of machine learning.