EVENT REPORT – WORKSHOP ON AUTOMATED MACHINE LEARNING

Date: 26 November 2022
Time: 11:00 AM – 1:00 PM
Participants: 40
Resource Persons: Vidhya Shankar (Data Scientist) and Ravi Kiran (Associate Director, WinWire)
Event Type: Hands-on Technical Workshop

About the Workshop

The **Workshop on Automated Machine Learning (AutoML)** was a two-hour hands-on session conducted on 26 November 2022. The workshop introduced participants to **Automated Machine Learning**, which automates several stages of applying machine learning to real-world problems. The session focused on using **H2O AutoML and Python** to develop practical machine learning solutions.

Objectives

The workshop aimed to:

- Introduce participants to the fundamentals and applications of **AutoML**.
- Demonstrate how AutoML can automate the **machine learning pipeline**.
- Enable participants to solve **business and analytics problems** using ML.
- Develop an intuitive understanding of building and applying ML pipelines.
- Provide hands-on experience with **H2O AutoML and Python**.

Workshop Highlights

The session was conducted by **Vidhya Shankar**, Data Scientist, and **Ravi Kiran**, Associate Director at WinWire. Participants explored the practical applications of AutoML through demonstrations and hands-on exercises. Using **H2O AutoML and Python**, they learned how different stages of the machine learning workflow can be automated and applied to real-world business and analytics use cases.

Prerequisites & Arrangements

Participants were expected to have **basic knowledge of Python** and were requested to bring their **own laptops** for the practical exercises. **Internet connectivity was provided** during the workshop.

Participation & Outcome

A total of **40 participants** attended the workshop and gained practical exposure to Automated Machine Learning. The session helped participants understand how AutoML can simplify the development of machine learning models and enable efficient solutions to real-world problems.

Conclusion

The workshop successfully combined **theoretical concepts with hands-on learning**, giving participants a practical understanding of Automated Machine Learning. The exposure to **H2O AutoML and Python** helped participants develop the skills and intuition required to build ML pipelines and apply them to business and analytics problems.