

# **FarmConnect: A Web-Based Platform to Connect Farmers with Local Markets**

Dr.K. Gayathri, Karthickkumar KS, Joshua Nesaraja B, Jinnah A

## **Abstract :**

The agricultural industry continues to face challenges such as market volatility, lack of transparent pricing, and limited direct access to buyers. Many farmers rely on intermediaries due to a lack of access to market intelligence. To address these issues, we propose FarmConnect, a web-based platform that uses a Hybrid Passive Classifier trained on historical agricultural price data to forecast optimal selling prices. The system integrates machine learning-based forecasting, inventory tracking, and an AI-driven chatbot to guide farmers in making data-driven decisions. Our experiments demonstrate a prediction accuracy of 92.3%, with improved price realization and potential for widespread impact in rural agricultural ecosystems.