



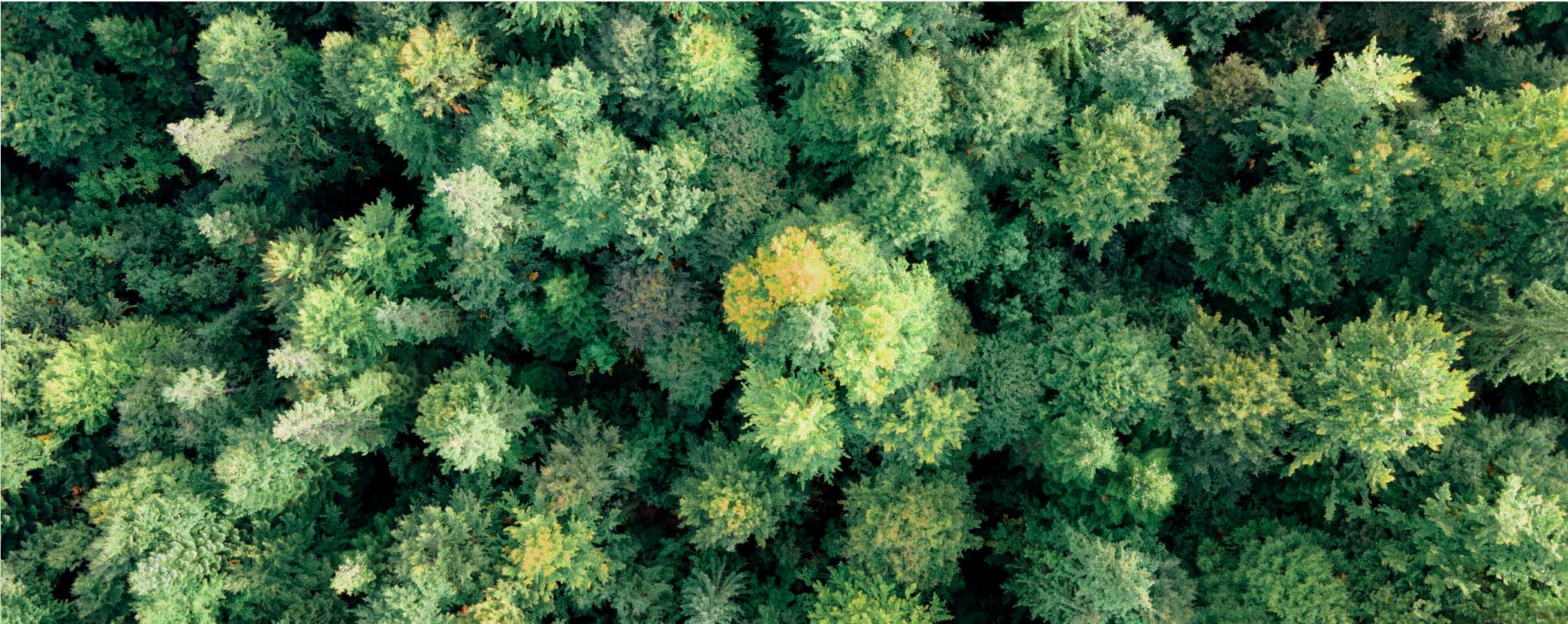
AI-DRIVEN AGRICULTURE YIELD PREDICTION & MARKET

**PRESENTED BY:
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(REVIEW 1)**



Problem Identification

- Unpredictable crop yields due to climate and soil conditions.
- Lack of real-time market insights for farmers.
- Market price fluctuations causing financial losses.
- Limited data-driven decision-making in agriculture.





Objective of the Project

- Predict crop yield using AI and data analytics.
- Analyze market trends for better pricing decisions.
- Support farmers through real-time insights and predictions.
- Promote sustainable and smart farming practices.



Proposed System Overview



- Use AI & ML models for yield prediction.
- Collect and preprocess soil, weather, and crop data.
- Forecast market prices and trends.
- Display insights through a web or mobile dashboard.



System Architecture (Diagram)



Data Sources → Data Preprocessing → AI Model →
Prediction & Visualization



Tools: Python, TensorFlow, Flask, MySQL



Expected Outcomes

- **Accurate crop yield predictions.**
- **Real-time decision support for farmers.**
- **Improved profitability and sustainability.**

Future Plan of Work

- Dataset collection and preprocessing.
- Model selection and algorithm testing.
- Design of user interface (UI).



THANK YOU!

