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Plant Disease Detection Using Transformer-Based NLP Model from Sensor-Generated Descriptions

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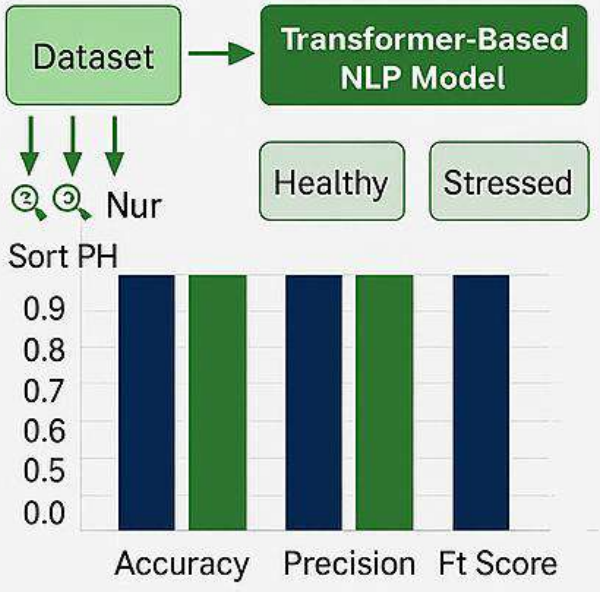
Introduction & Aim

Sustainable agriculture to address global chalienges in addressing sensors provide sol and Imino-mental data into textual plant health descriptions

Method

Utilization of a **sensor** dataset, Including soil moisture, pH



Results & Discussion

The model achieved a a 95% accuracy
Superior performance across evaluation metrics compared to baseline NLP methods

Conclusion

Development of an NLP model to predict plant stress based on sensor-generated descriptions

Future Work

Deploymentt of multilingual advisory system for farmers