**ML FINAL LAB HACKATHON**

TEAM MEMBERS:

21PD08 - GS Prethika

21PD19 - Krithika L

INTRODUCTION:

Using the Wild Blueberry Yield Prediction dataset from [Kaggle](https://www.kaggle.com/datasets/saurabhshahane/wild-blueberry-yield-prediction), we built a catboost regression model to predict the yield for the given test data along with exploratory data analysis (EDA).

PROBLEM STATEMENT:

The problem is to predict the blueberry yield from various features given in the dataset. Perform EDA and identify the most influential factors that impact blueberry yield, which can guide farm management decisions. Develop a predictive model using CatBoost regression to forecast blueberry yields for the upcoming growing season. Evaluate the model's performance and accuracy in predicting blueberry yields. Provide actionable insights to farmers to optimize their farming practices for increased yield and profitability.