## 8. OUTPUT SCREENS

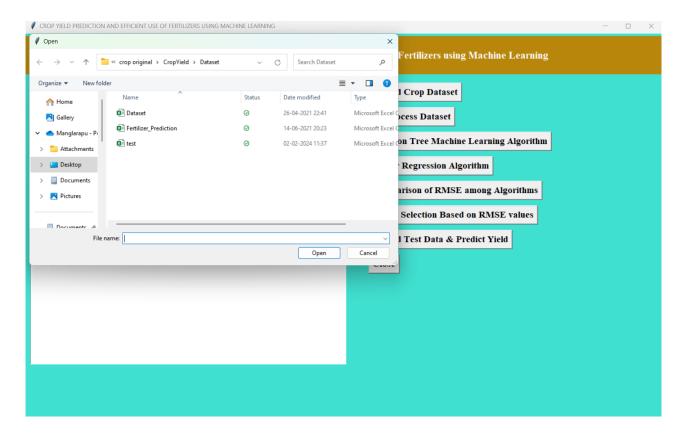
## **8.1 OUTPUT SCREENS**

To run project double, click on run.bat file to get below screen



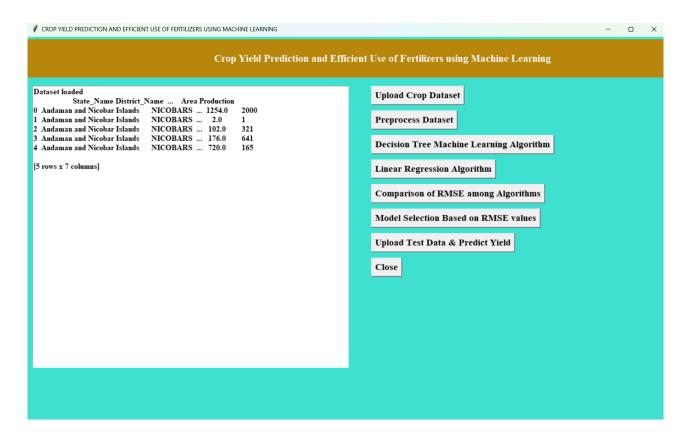
Screen-8.1. Home page

In above screen click on 'Upload Crop Dataset' button to upload dataset to application and get below output.



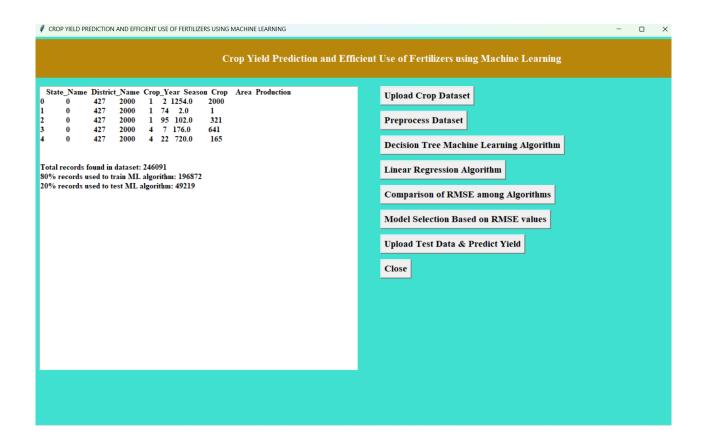
Screen-8.2. Uploading dataset

In above screen selecting and uploading dataset folder to application and then click on 'Select Folder' button to load dataset and get below output.



Screen-8.3. Uploaded dataset

In above screen dataset loaded and displaying attributes found in dataset and now click on 'Preprocess Dataset' button to handle missing values, encode categorical variables and get below output.



Screen-8.4. Preprocessing dataset

In above screen we can see processed data and the data is splitted into 80% for training and 20% for testing and now click on 'Decision tree machine learning Algorithm' button to train Decision tree algorithm and get below output.



Screen-8.5. Decision tree training

In above screen, the error rate is displayed after training the decision tree algorithm. Now click on 'Linear Regression Algorithm' button to train Linear regression algorithm and get below output.



Screen-8.6. Linear regression training

In above screen, the error rate is displayed after training the Linear regression algorithm. Now close above graph and then click on 'Comparison of RMSE among algorithm' button to compare error rate and get below output.



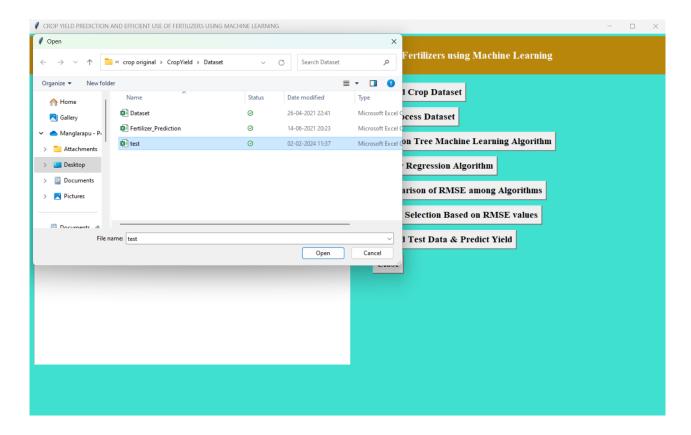
Screen-8.7. Comparison graph

In above screen, the comparison rate is displayed and then click on 'Upload Test Data & Predict Yield' button to upload test data and get below output.



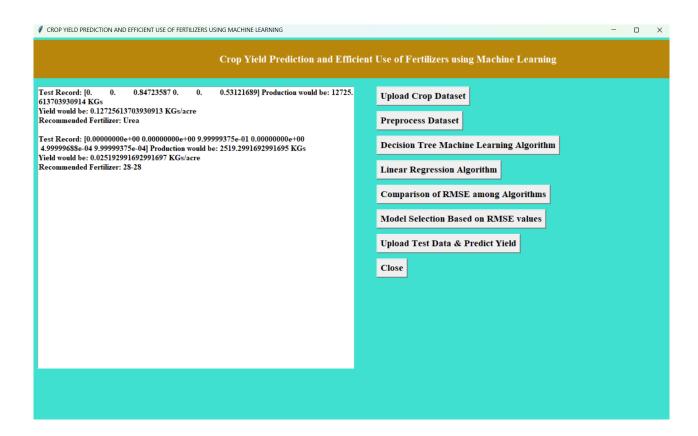
Screen-8.8. Model Selection

In above screen, the Training process is selected i.e., Decision tree algorithm and then click on 'Upload Test Data & Predict Yield' button to upload test data and get below output.



Screen-8.9. Uploading test data

In above screen, the test data will be uploaded and the below screen would be displayed.



Screen-8.10. Predicting the test data

In above screen, the crop yield would be displayed for test data and the fertilizers are suggested.