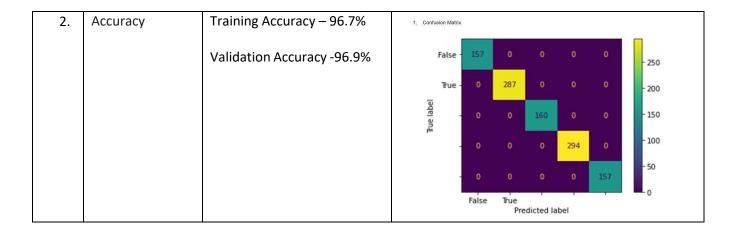
Project Development Phase Model Performance Test

| Date | 10 November 2022 | |
|---------------|---|--|
| Team ID | PNT2022TMID43438 | |
| Project Name | Fertilizer Recommendation System For Disease Prediction | |
| Maximum Marks | 10 Marks | |

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Values | Screenshot |
|-------|---------------|--------|---|
| 1. | Model Summary | | Plant Disease Prediction Detect if your plant is infected!!! Agriculture is one of the major sectors world wide. Over the years it has developed and the use of technologies and equipment replaced almost all the radional methods of farming. The plant disease afters the production. Mentification of the draws and taking necessary precession is all does more precession is all own company and set you which representations. This application helps futners in detecting the disease by observing the spots in the leaves, which in turn away effort and labour cost. |
| | | | CINECACCION. Medicale Manue. American % Indications % |



```
print(metrics.classification_report(test_data['label'].values, test_data['model_preds'].values
                    precision
                                      recall f1-score
                                                               support
                           1.00
1.00
1.00
                                        1.00
1.00
1.00
                                                       1.00
                                                                     157
287
160
                                                      1.00
                                                                     294
157
                           1.00
                                         1.00
                           1.00
                                         1.00
                                                      1.00
      accuracy
                                                       1.00
                                                                    1055
                           1.00
                                        1.00
 macro avg
weighted avg
                                                                    1055
1055
                                                      1.00
     2. Accuracy - 100 %
[8] print(f"the accuracy is {metrics.accuracy_score(test_data['label'].values, test_data['model_preds'].values)}")
       the accuracy is 1.0
     3. Precision - 100 %
 [11] print(f"the precision is (metrics.precision_score(test_data['label'].values, test_data['model_preds'].values, average = 'weighted')}")
      the precision is 1.0
         4. Recall - 100 %
    [12] print(f"the recall is {metrics.recall_score(test_data['label'].values, test_data['model_preds'].values, average = 'weighted')}")
           the recall is 1.0
          5. Specificity - 100 %
      print(f"the specificity is {metrics.recall_score(test_data['label'].values, test_data['model_preds'].values, pos_label=0,average = 'weighted')}")
      □ the specificity is 1.0
         F1-Score – 100 %
     [13] print(f"the fi score is {metrics.fi_score(test_data['label'].values, test_data['model_preds'].values,average = 'weighted')}")
           the f1 score is 1.0
```