



## **Model Development Phase Template**

Date	15 March 2024
Team ID	739795
Project Title	Crop Prediction using machine learning
Maximum Marks	4 Marks

## **Initial Model Training Code, Model Validation and Evaluation Report**

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

## **Initial Model Training Code:**

Paste the screenshot of the model training code

## **Model Validation and Evaluation Report:**

Model	Classification Report	Accuracy	Confus	Confusion Matrix		
1. K Nearest Neighbors Model	A decrease of page international sequences in the page of the	0.98579	winclassifier-wheigh knnclassifier-theigh knnclassifier-fit(X. y perod-knnclassifier) precision  apple   1.06   1.	reain, train) predict(x test report(y_test recall test recall test report(y_test recall test recal		support  23 28 21 22 20 24 29 29 29 20 20 18 19 25 20 17 14 20 18 19 19 17 440 440 440





2. SVM Model	Section Control Contro	0.97784	svm=sVc()   svm_sVc()   sv
3.Decision Tree Model	Processor of the control of the	0.7613	### Operation   Company   Company
4. Random Forest Model	** Application of the second control of the	0.9954	● rfclassifie—tendemorestilassifier() rfclassifie—tendemorestilassifier() rpcdrclassifier(tt(trans,troid))  predcision recall f1-score support  apple 1.00 1.00 1.00 23  banana 1.00 1.00 1.00 20  blackgram 1.00 1.00 1.00 20  chickpea 1.00 1.00 1.00 22  coconut 1.00 1.00 1.00 22  coconut 1.00 1.00 1.00 20  grapes 1.00 1.00 1.00 20  maize 1.00 1.00 1.00 25  maize 1.00 1.00 1.00 1.00 1.00 20  mango 1.00 1.00 1.00 1.00 25  maize 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0