



## **Model Development Phase Template**

Date	15 November 2024	
Team ID	739824	
Project Title	Fertilizer Recommendation System For Agriculture Using Ai	
Maximum Marks	10 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 a summary and training and validation performance metrics for multiple models, presented through respective screenshots.

## **Initial Model Training Code (5 marks):**

Paste the screenshot of the model training code

## **Model Validation and Evaluation Report (5 marks):**

Model	Summary  Initialize the model  In [17] model - Separatal()	Training and Validation Performance Metrics		
Convoluti onal	In [1] Model-Indicentral Annual Conference (Application of the Conference of the Con	conv2d (Conv2D)  max_pooling2d (MaxPooling2D)  flatten (Flatten)	(None, 62, 62, 32) (None, 31, 31, 32) (None, 30752)	320 0
Nauma1	Add the pooling layer ¶  in [19]: moiel.add(monated legrif(pool_ater (x,z)))	dense (Dense)	(None, 512)	15,745,536
Neural	Add the flatten layer	dense_1 (Dense)	(None, 9)	4,617
Network	In [20]: model.edd(Flatten())	dense_2 (Dense)	(None, 512)	5,120
(CNINI)	Adding the dense layers	dense_3 (Dense)	(None, 9)	4,617
(CNN)	in [11] model_add(meas(mit=4)_activation 'rela')) model_add(meas(mit=4_activation 'selecus'))	Total params: 15,760,210 (60.12 MB) Trainable params: 15,760,210 (60.12 MB) Non-trainable params: 0 (0.00 B)		