

PROJECT NAME : PLANT DISEASE DETECTION APP

SUBJECT : REGARDING CODING APPROVAL

Group Number : 15

Group Members :

VISHAL YADAV (Leader)

Leader's email : vy140599@gmail.com

AMAN SHARMA

ROHIT RAMTEKE

Project Guide :

Rasika Rode

Phone: +917387389731

CODING IMPLEMENTATION:

❖ PROGRAMMING LANGUAGES:-

- Model Train :- Python
- Andriod App:- JAVA

Operating System:- windows 7 or above

Editor / IDE:- Visual studio code OR Andriod Studio

Browser:- chrome or Mozilla Firefox

Database:- SQLITE3

❖ PYTHON MODULES:-

- PYTHON 3.6 OR >
- NUMPY
- KERAS
- KERAS-APPLICATION
- KERAS PREPROCESSING
- SCIKIT-LEARN
- TENSERFLOW
- OPENCV-CONTRIB-PYTHON
- OPENCV-PYTHON
- JUPITER NOTEBOOK
- MATPLOTLIB

❖ ALGORITHM :-

- Convolutional Neural Network

❖ IDE USED FOR MODEL TRAINING :-

- Google Colab
- JUPITER NOTEBOOK

❖ DEVELOPMENT KIT:-

- JDK (Java Development Kit)
- SDK (Software Development Kit)

- Build CNN using some popularly used open-source Libraries for the development of AI, Machine Learning and also Deep Learning.
- **Matplotlib** : a plotting library for the Python programming language and its numerical mathematics extension.
- **Keras** : Keras is an open source neural network library written in Python.