

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	19 September 2022
Team ID	PNT2022TMID46542
Project Name	FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Agricultural plants are affected by the plant disease so the yield was very low, due to the low yield, so most of the farmers are affected. We can solve the problem, to predict the crop disease and to give a suggestion of the recommendation. CNN, flask, RNN. Google colab python image processing, those tools are to use in our project each member doing all the tools are splitted and using. Our team was to gathering a set of data in crop disease images and that disease solutions of the recommendation fertilizer

Brainstorm & idea prioritization

**Fertilizer Recommended For
Disease Prediction.**

⌚ 10 minutes to prepare
🕒 5 hour to collaborate
👥 4-5 people recommended

➔

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

⌚ 10 minutes

A Team gathering

Our team was to gathering a set of data in crop disease images and that disease solutions of the recommendation fertilizer

B Set the goal

To give the solution for the disease affected plants against using the recommended fertilizer to all the farmers.

C Learn how to use the facilitation tools

CNN, flask, RNN. Google colab python image processing. those tools are to use in our project each member doing all the tools are splitted and using.

1

Define your problem statement

In agricultural plants are to affected by the plant disease so the yield was very low, due to the low yield, so most of the farmers are affected, we can solving the problem, to predict the crop disease and to give a suggestion of the recommendation

PROBLEM

To solving crop disease and recommend fertilizer , to increasing yield of crop

Key rules of brainstorming

THE STEPS INVOLVING IN THE PROJECT SECTION

Data set collection

Image grayscale

Image acquisition

Representation and description

Image enhancement

Image recognition

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

To give an solution for the crop disease by using AI & ML model

10 minutes

RAGHUL R

1.PROJECT OBJECTIVES

2.PHASE KNOWLEDGE

3.PREPROCESSES

4.PROJECT'S STRUCTURE

5.MODEL BUILDING FOR VEGETABLE DISEASE PREDICTION

6.TEST BOTH THE MODELS

7.REFINE THE MODEL

8.BUILDING PYTHON CODE

9.RUN THE CODE

10.VERIFY THE MODEL ON NEW

11.DESIGN PHASE - I

12.DESIGN PHASE - II

13.PROJECT DESIGN PHASE - I

14.PROJECT DESIGN PHASE - II

15.PROJECT PLANNING PHASE AND DEVELOPMENT

MOHAMED BARISH MF

1.PROJECT OBJECTIVES

2.PREPROCESSES

3.DATASET COLLECTION

4.MODEL BUILDING FOR VEGETABLE DISEASE PREDICTION

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8.RUN THE CODE

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10.PROJECT DESIGN PHASE - II

11.PROJECT PLANNING PHASE AND DEVELOPMENT

NESAMANI M

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SARABES WARAN K

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JEEVA R

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7.PROJECT DESIGN PHASE - I

8.PROJECT DESIGN PHASE - II

9.PROJECT PLANNING PHASE AND DEVELOPMENT

3

Group ideas

We are discussing and considering the project ideas and the related solution for the project and Using the tools on the project like the artificial intelligent and machine learning.project phases of the data set collection and image prediction image acquisition,Representation and description working together.

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3

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4

Prioritize

Important of our project priority are dataset collection, model selection, model train, image preprocess(image processing), cloud collaboration, modelift, building code, testing.

0

TEAM PROGRESS

Importance

Artificial intelligence allows to predict the trend of nitrogen levels in soil and AI systems are helping to improve the overall harvest quality and accuracy

100%

90%

80%

70%

60%

50%

40%

30%

20%

10%

0%

Category 1

Category 2

Category 3

Category 4

Step-3: Idea Prioritization