

MILESTONES AND ACTIVITIES LISTS

AI POWERED NUTRITION ANALYSER FOR FITNESS ENTHUSIASTS

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1. Prerequisites

- ❖ IBM Cloud Services
- ❖ Software

2. Project Objectives

- ❖ Abstract
- ❖ Brainstorming

3. Data collection

- ❖ Collecting different fruit images

4. Image Preprocessing

- ❖ Import ImageDataGenerator Library
- ❖ Configure ImageDataGenerator Class
- ❖ Apply ImageDataGenerator to Train and Test dataset

5. Model Building

- ❖ Importing Model Building Libraries
- ❖ Applying CNN layers
- ❖ Train the model
- ❖ Save the Model
- ❖ Test the model

6. Application Building

- ❖ Creating Html pages
- ❖ Build python code
- ❖ Creating Flask Application and loading the model
- ❖ Routing to the Html page
- ❖ Run the application

7. Train Model on IBM

- ❖ Register for IBM cloud
- ❖ Train model on IBM

8. Ideation Phase

- ❖ Literature Survey on The Selected Project & Information Gathering
- ❖ Prepare Empathy Map
- ❖ Ideation

9. Project Design Phase -1

- ❖ Proposed Solution
- ❖ Prepare Solution Fit
- ❖ Solution Architecture

10. Project Design Phase -2

- ❖ Customer journey
- ❖ Functional Requirement
- ❖ Data Flow Diagram
- ❖ Technology Architecture

11. . Project planning Phase

- ❖ Prepare Milestones & Activity List
- ❖ Sprint Delivery Plan

12. Project Development Phase

- ❖ Project Development-Delivery of Sprint-1
- ❖ Project Development-Delivery of Sprint-2
- ❖ Project Development-Delivery of Sprint-3
- ❖ Project Development-Delivery of Sprint-4