

TEAM ID	PNT2022TMID19729
PROJECT NAME	AI Powered Nutrition Analyser for Fitness Enthusiasts

1. **Assignments:**

- a. Team Lead: Ramya K
- b. Team member 1: Abinayaa A
- c. Team member 2: Rithika S
- d. Team member 3: Soundarya P S

2. **Image Processing**

- a. Import the Image Data Generator Library
- b. Configure Image Data Generator Class
- c. Apply Image Data Generator Functionality to Trainset and Test set

3. **Model Building**

- a. Import the Model Building Libraries
- b. Initializing the model
- c. Adding CNN Layers
- d. Adding Dense Layers
- e. Configure the learning Process
- f. Train the model
- g. Save the model
- h. Test the model

4. **Application Model**

- a. Create HTML Pages
- b. Build Python Code
- c. Creating our flask Application and Loading our model by using Load_model method
- d. Routing to the HTML page
- e. Run the application

5. **Train the Model on IBM**

- a. Register for IBM Cloud
- b. Train Model on IBM

6. **Project design and planning**

i. Ideation Phase

- i. Brainstorm and ideation
- ii. Empathy map
- iii. Literature Survey

ii. Project Phase 1

- i. Problem solution fit
- ii. Proposed solution
- iii. Solution Architecture

iii. Project Phase 2

- i. Customer Journey
- ii. Data Flow Diagrams and User Stories
- iii. Solution Requirements
- iv. Technology Stack

iv. Project Planning

- i. Milestone and Activity List
- ii. Sprint Delivery Plan

7. Project Development Phase

- i. Sprint 1
- ii. Sprint 2
- iii. Sprint 3
- iv. Sprint 4