PROJECT DESIGN PHASE-II
DATA FLOW DIAGRAM & USER STORIES

Date	15 October 2022
Team ID	PNT2022TMID15472
Project Name	Fertilizer Recommendation System For Disease Prediction
Maximum Marks	4 Marks

Data Flow Diagrams and User Stories:

```
                    ┌─────────────┐
                    │    Start    │
                    └─────────────┘
                           │
                    ┌─────────────┐
                    │ Input Image │
                    └─────────────┘
                           │
                ┌──────────────────────┐
                │  Image Acquisition   │
                └──────────────────────┘
                           │
                ┌──────────────────────┐
                │ Image Pre-processing │
                └──────────────────────┘
                           │
                ┌──────────────────────┐
                │  Image segmentation  │
                └──────────────────────┘
                           │
                     ┌───────────┐
                     │    CNN    │
                     └───────────┘
                           │
                      ◇ Disease                  ┌──────┐
                        Prediction  ──── No ────>│  No  │
                           │                     └──────┘
            ┌─────┐        │                         │
            │ Yes │        │                   ┌────────────┐
            └─────┘        │                   │ No disease │
                ┌────────────────────┐         └────────────┘
                │ Image Classification│              │
                └────────────────────┘              │
                           │                         │
                    ┌─────────────┐ <────────────────┘
                    │   Result    │
                    └─────────────┘
                           │
                    ┌─────────────┐
                    │     End     │
                    └─────────────┘
```
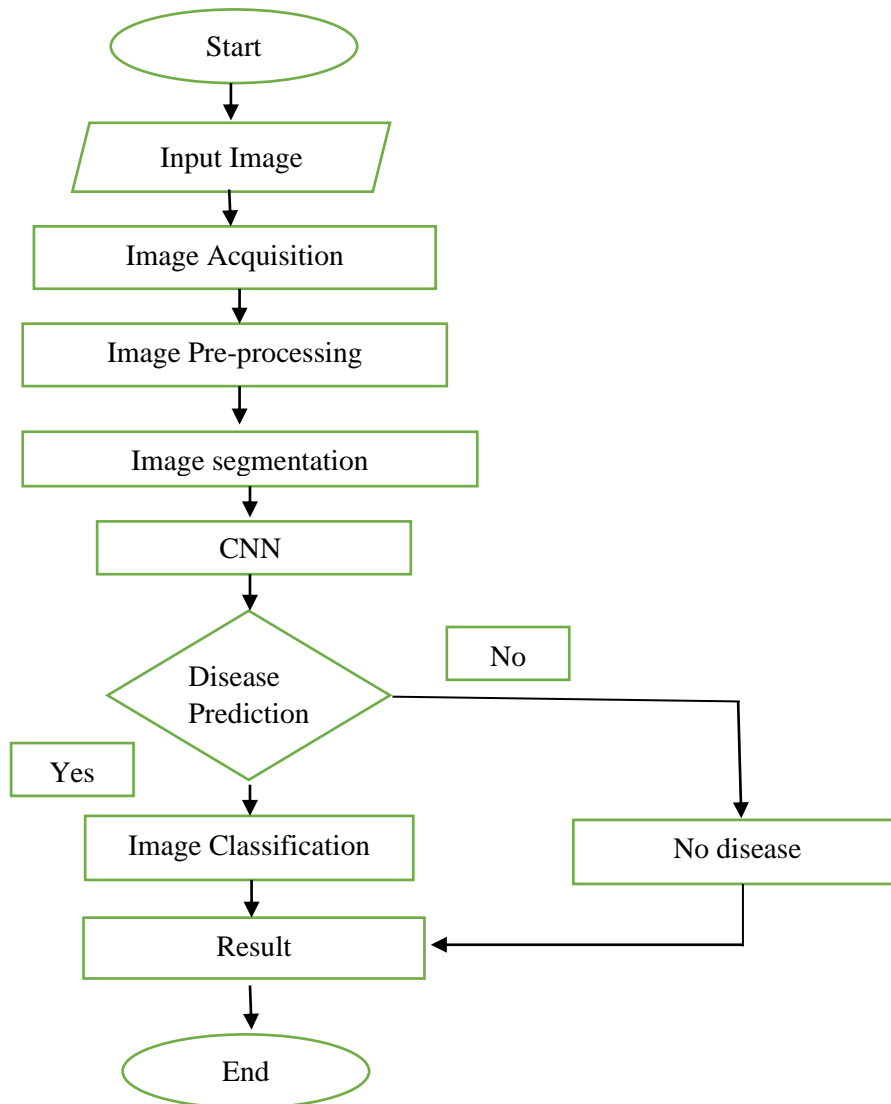
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Login	USN-1	As a user, I can log into the application by entering my email & password	I can access the UI and obtain the necessary results	Medium	Sprint-1
	Interactive UI	USN-2	As a user, I can easily understand and use the application	I can access the UI and obtain the necessary results	High	Sprint-1
	Fruit Disease	USN-3	As a user, I can separately upload the image for fruit disease prediction	I can upload and access the application through a separate UI	High	Sprint-2
	Vegetable Disease	USN-4	As a user, I can separately upload the image for vegetable disease prediction	I can upload and access the application through a separate UI	High	Sprint-2
	Logout	USN-5	As a user, I can log out of the application	I can end my session in the application by logging off	Medium	Sprint-1