Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID44196
Project Name	Estimate the Crop Yield using Data Analytics
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

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Crop production data,
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Preprocessing

Data Analytics

Randomly picking 70% of
the data as training set and
30% percent as testing set

Training phase

Testing and evaluation
phase(Picking best

Decision system

New Crop
Yield Data

Estimating crop yield

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Farmer)	Healthy crops	USN-1	As a user, I can cultivate only healthy crops	I can get more yield	High	Sprint-1
	Fertilizers	USN-2	As a user, I use natural fertilizers for cultivating the crop	I can get healthy and good crops	High	Sprint-1
		USN-3	As a user, I reduce the use of harmful pesticides	I can get unhealthy crops if I use harmful pesticides	Low	Sprint-2
	Cultivable land	USN-4	As a user,I choose best cultivable land for cultivating the crops		Medium	Sprint-1
		USN-5	As a user, I harvest the crops at the right time		High	Sprint-1
		USN-6	As a user, I follow the method of seasonable cropping for high yield production			
	Irrigation	USN-7	As a user, I use the good irrigation method for the growth of crops			