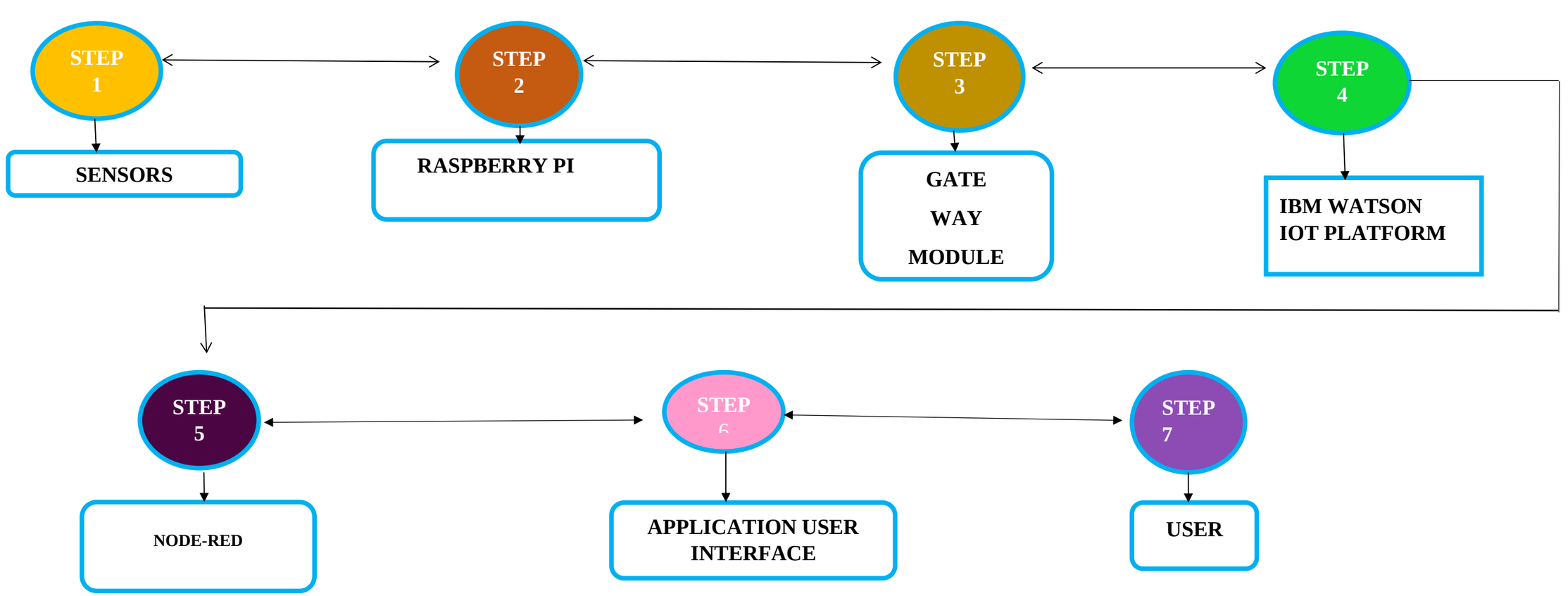
PROJECT DESIGN PHASE-II

Data Flow Diagram & User Stories

Date	10 October 2022
Team ID	PNT2022TMID37069
Project Name	**IoT Based smart Crop Protection System for Agriculture**
Maximum Marks	4 marks

Data Flow Diagrams:



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 (Famer)	Maintaining Fields	USN-1	As a user, I can monitor the growth of crops and protect the crops against animals	I can maintain the fields with less labour.	High	Sprint-1
	Analyzing Problems	USN-1	As a user, I collect the required information about the problems on agriculture fields	I can ask my field owner directly.	low	Sprint-2
		USN-1	As a user, I can monitor the moisture level in soil and solve the problems by using Smart IOT System	I can take remedial action immediately.	High	Sprint-1
Project Designers	Identifying the problem and provide solutions	USN-2	As a user, I can sense the water level and flame in the field using sensor and monitor using IOT	I can perform this actions via IOT.	High	Sprint-1
		USN-2	As a user, I can make services for Irrigation, pesticides, Fertilization, Soil preparation.	I can solve this problem using IOT.	High	Sprint-1
		USN-2	As a user, I can monitor the field against animal attacks using camera interface module and appropriate actions can be taken	I can monitor the field continuously.	Medium	Sprint-2
Customer (Field Maintainer, Owner)	Problem solutions	USN-3	As a user, fields can be monitored from remote place	Checking Process.	Medium	Sprint-3
	Applications	USN-3	As a user, I can respond to the problems in the fields immediately	Continuous monitoring and remedial actions.	Medium	Sprint-3
	Final process	USN-3	This proposed smart IOT based crop protection device is found to be cost effective and efficient	I can take necessary action if required.	Medium	Sprint-4