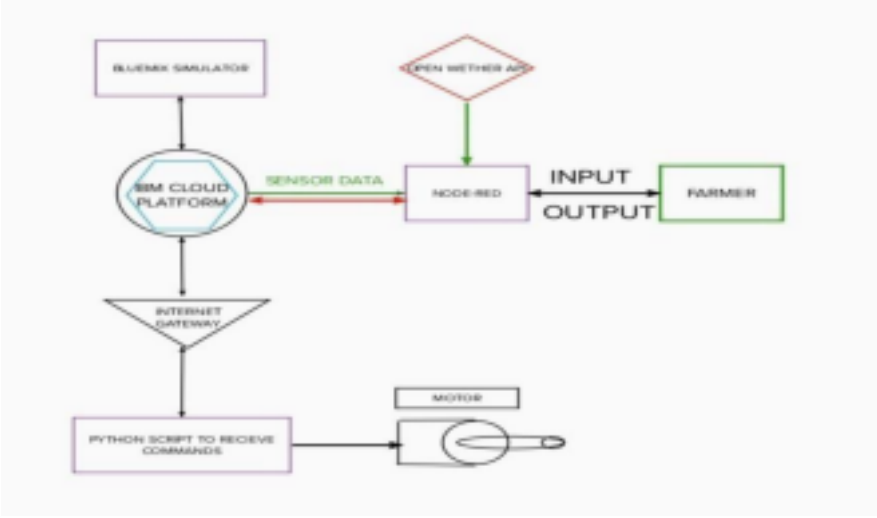
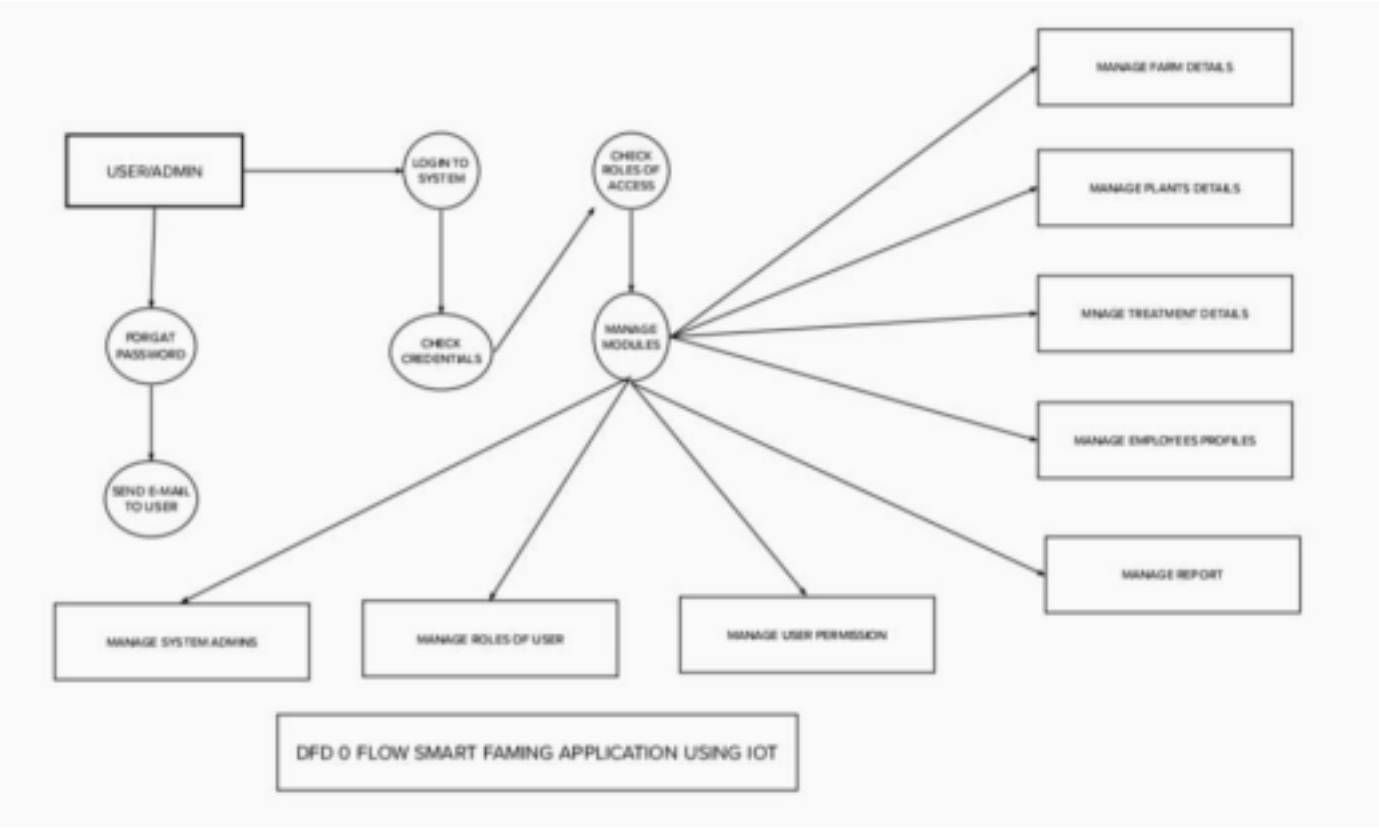
Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
TeamID	PNT2022TMID02143
ProjectName	Project - Smart Farmer-IoT Enabled Smart FarmingApplication
MaximumMarks	4 Marks

Data Flow Diagrams:





· Using various sensors,the various soil parameters,including temperature, Moisture content and humidity are measured. The results are then stored in the IBM cloud.

• The Arduino UNO is utilised as a processing unit to process the data from sensors and weather. API.

• To write the hardware,software,and APIs.NODE RED is employed as a programming tool.Inorder Communicate,the MQTT protocol is used.

• A mobile application created with MITApp Inventor Makes all the collected data available to the user.Depending on the sensor results, the user might decide whether or not to irrigate the crop using an app. They can control the motor switch remotely by utilising the app.

UserStories

User Type	Functional Requirement (Epic)	User Story number	User Story/Task	Acceptance Criteria	Priority	Release
Customer (Mobile user)	Registration	1	Can register for the application by entering my email,password,and confirming my password.	Can Access my account / dashboard	High	Sprint-1
		2	Will receive confirmation email once I have registered for the application	Receive Confirmation email and click confirm	High	Sprint-1
		3	Can register for the application Through Facebook	Can register & access the dashboard with Facebook Login	Low	Sprint-2
		4	Can Register for the application through Gmail		Medium	Sprint-1
	Login	5	Can Login to the application by entering email & password.		High	Sprint-1