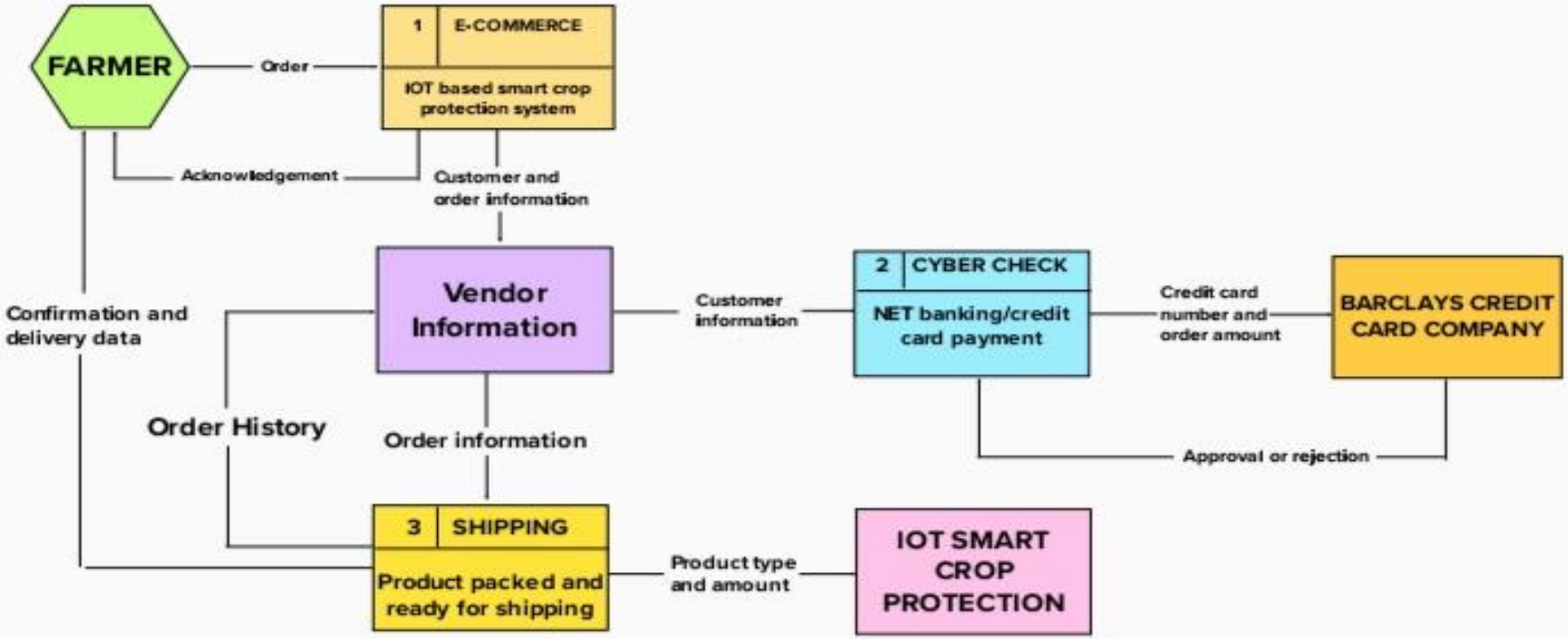
Project Design Phase-II
Data Flow Diagram & User Stories

Date	015 2022
Team ID	PNT2022TMID49700
Project Name	Project - IOT Based Smart Crop Protection system
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.


FARMER
Order
1
E-COMMERCE
IOT based smart crop protection system
Acknowledgement
Customer and order information
Vendor Information
Confirmation and delivery data
Order History
Order information
Customer information
2
CYBER CHECK
NET banking/credit card payment
Credit card number and order amount
BARCLAYS CREDIT CARD COMPANY
Approval or rejection
3
SHIPPING
Product packed and ready for shipping
Product type and amount
IOT SMART CROP PROTECTION

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)	Maintaining Field	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 Problem	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 n 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 heat 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 and soil preparation	I can solve this problem using Iot	High	Sprint-1
		USN-2	As a user,I can monitor the field against animals 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 an be monitored from remote place	Checking process	Medium	Sprint-3
	Application	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