

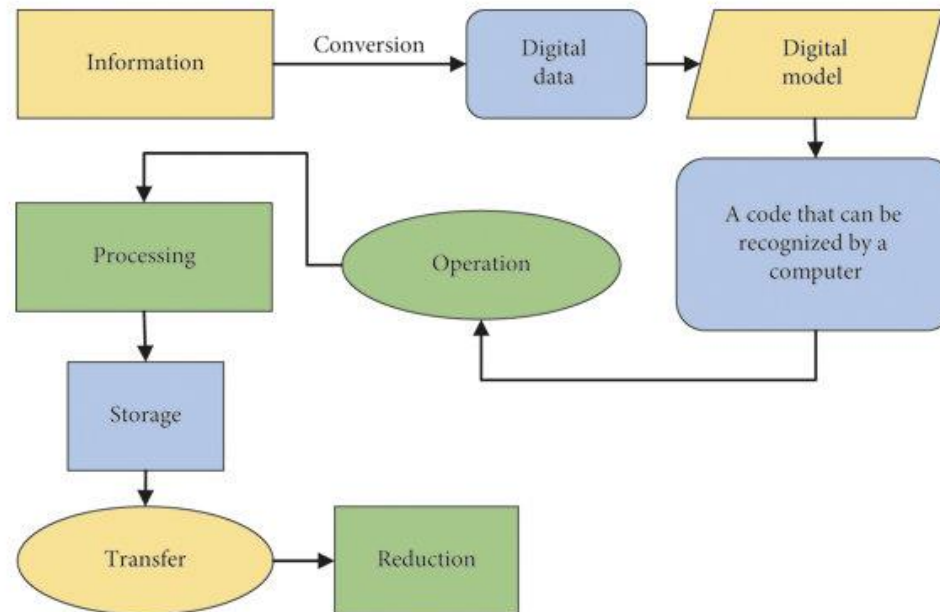
Project Design Phase-II

Data Flow Diagram & User Stories

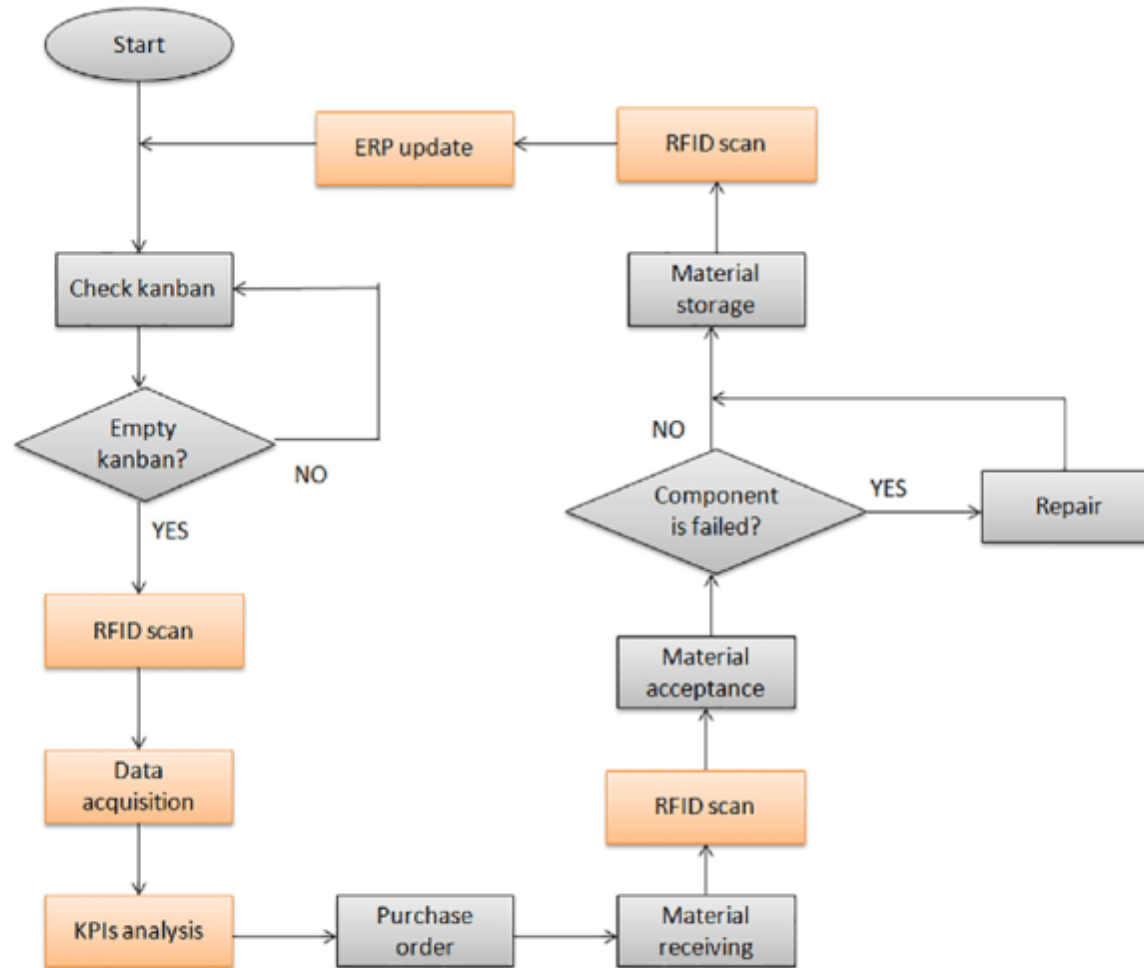
Date	03 October 2022
Team ID	PNT2022TMID51703
Project Name	Digital Naturalist – AI enabled tool for biodiversity research.
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DEFs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. That's why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable now a days to visualizing interactive real-time or data base-oriented software were systems.



Flow



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	High
		USN-2	As a user, I will receive confirmation email once I have registered for the application	High
	Login	USN-3	As a user, I can log into the application by entering email & password	High
	Dashboard	USN-4	As a user, I can able to learn how to access the application	High
Customer (Gadget user)	Monitor	USN-1	Many sensors exist for animals in the laboratory or also large wild animals.	Medium
	Sensor	USN-2	Simulate a variety of human and beyond – human capabilities.	High
	Camera	USN-3	Detect , traps and identify the images monitored.	High
	Field testing	USN-4	Design and test prototypes of a device that can detect an ant-sized insect on an arbitrary surface. An ideal first test of this prototype will be using these sensors to trigger small cameras that can capture these tiny animals in	Medium
Administrator	Database administrator	USN-1	Merge datasets from different source to create reports for internal customers.	High
	Brand Manager	USN-2	Get alerts whenever a reseller advertises our product below agreed-upon prices to protect the brand.	Medium
	Remote Team Leader	USN-3	File sharing and annotation to collaborate in real-time.	Medium