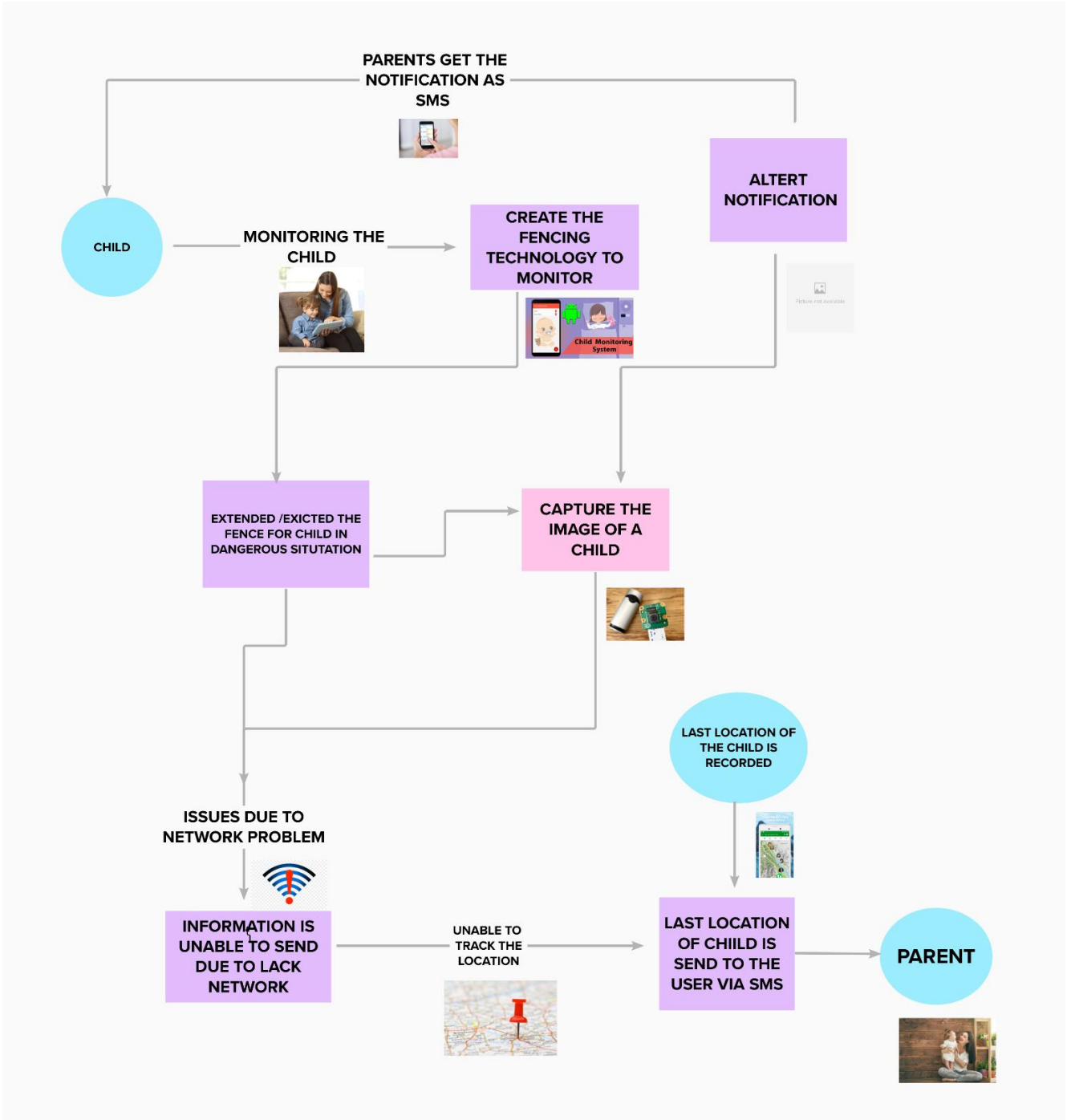
Project Design Phase-II

Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID49507
Project Name	Project – IOT Based Safety Gadgets for Child Safety Monitoring and notification
Maximum Marks	4 Marks

DATA FLOW DIAGRAM:

FIGURE: DATA FLOW DIAGRAM -IOT Based safety gadgets for child safety monitoring and notification


PARENTS GET THE NOTIFICATION AS SMS
CHILD
MONITORING THE CHILD
CREATE THE FENCING TECHNOLOGY TO MONITOR
ALTERT NOTIFICATION
Child Monitoring System
EXTENDED /EXICTED THE FENCE FOR CHILD IN DANGEROUS SITUTATION
CAPTURE THE IMAGE OF A CHILD
LAST LOCATION OF THE CHILD IS RECORDED
ISSUES DUE TO NETWORK PROBLEM
INFORMATION IS UNABLE TO SEND DUE TO LACK NETWORK
UNABLE TO TRACK THE LOCATION
LAST LOCATION OF CHIILD IS SEND TO THE USER VIA SMS
PARENT

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 (family member/parent)	Registration	USN-1	As a user, I can register for the device in the parents mobile application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer (Higher official)	confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the device in the parents mobile application	I can receive confirmation email & click confirm	High	Sprint-1
Customer (child line 1098)	Safety measure register	USN-3	As a user, I can register for the device in the parent's mobile application.	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (mobile user)	Mobile application	USN-4	As a user, I can register for the application through mobile number	I can register for child's device with parents mobile number then the alert message will receive by SMS	Medium	Sprint-1
Customer (credential)	Login	USN-5	As a user, I can log into the device by entering email & password in parent's mobile application	Mail address and password are used as default .	High	Sprint-1
Customer (Web user)	Notification	USN-7	As a user, when there is a abnormal situation with the child notification will be received on through fencing application.	Alert message is sent to parents mobile and received if user is active in the fencing techniques.	High	Sprint-1
Customer Care Executive	Network Connectivity	USN-8	When the child goes out of fencing boundary and enter into the other areas.	GPS tracker will track the child and send the notification message to the parent.	High	Sprint-1
Administrator	Accessing	USN-9	When there is a issues in accessing of both the device (Connection of both parent's and child's device).	Through Admin/Device Operator's advice should be undertaken	High	Sprint-1