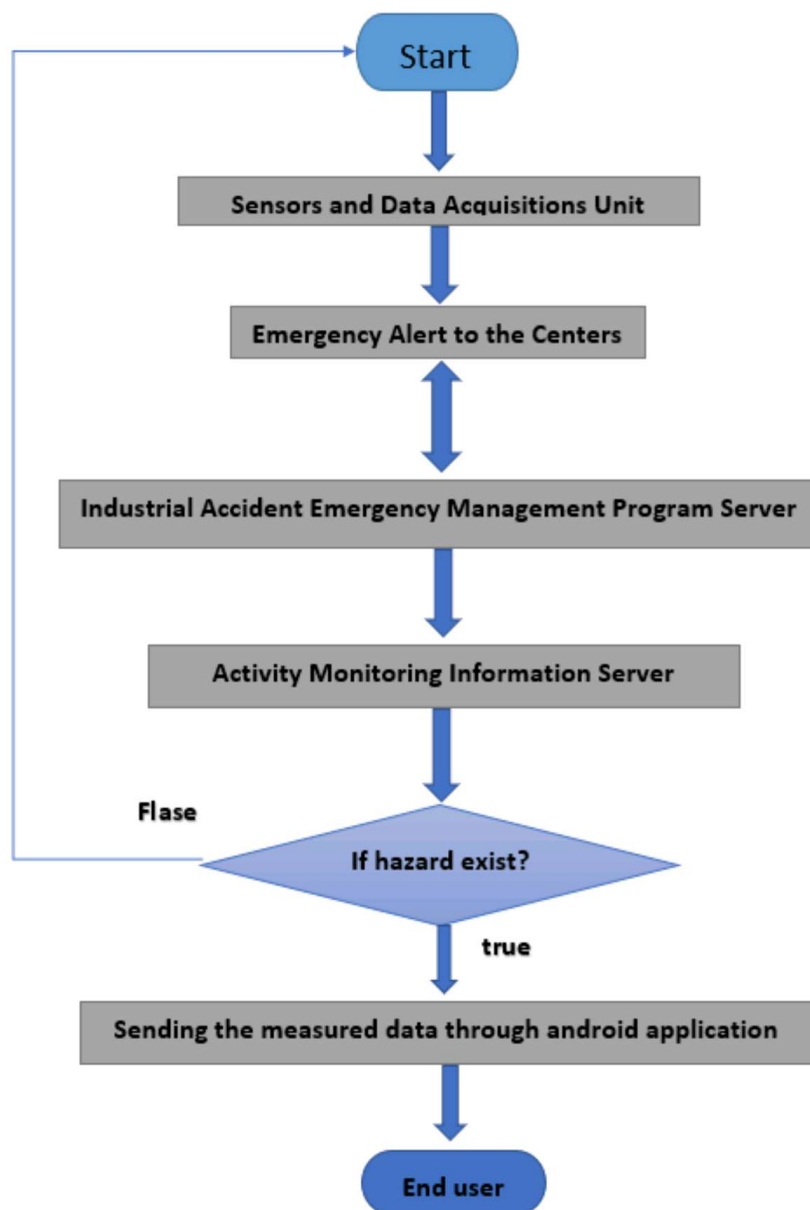


Project Design Phase-II Data Flow Diagram & User Stories

Date	18 October 2022
Team ID	PNT2022TMID39426
Project Name	Project – Hazardous Area Monitoring For Industrial Plant Powered By IoT
Maximum Marks	4 Marks

Data Flow Diagram:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Industrial worker)	Detection of hazard	USN-1	As a worker, I will receive information from control node when hazard reported	I can aware myself by receiving information from control node	High	Sprint-1
		USN-2	As a worker, I can monitor the humidity and temperature to have stable environment	I can notify the environmental changes via mobile application	Medium	Sprint-1
	Air monitoring	USN-3	As a worker, I can identify harmful gas leakages through mobile notifications	I can identify the harmful gas leakages in the field	High	Sprint-2
	Emergency shutdown system	USN-4	As a worker, I can measure the machine condition and shut down the entire system in the case of peak condition	I can shutdown the system in emergency situation	Medium	Sprint-3
	Fire and smoke detection	USN-5	As a worker, I can detect fire using temperature, smoke and flame sensors with automatic water sprinkler	I can detect fire by using sensors with water sprinkler	High	Sprint-4
End user	Alerting through message	USN-6	As a worker, I can receive the message in the form of audio, visual notification and graphical notification	I can detect the hazard and get notification	Low	Sprint-5