

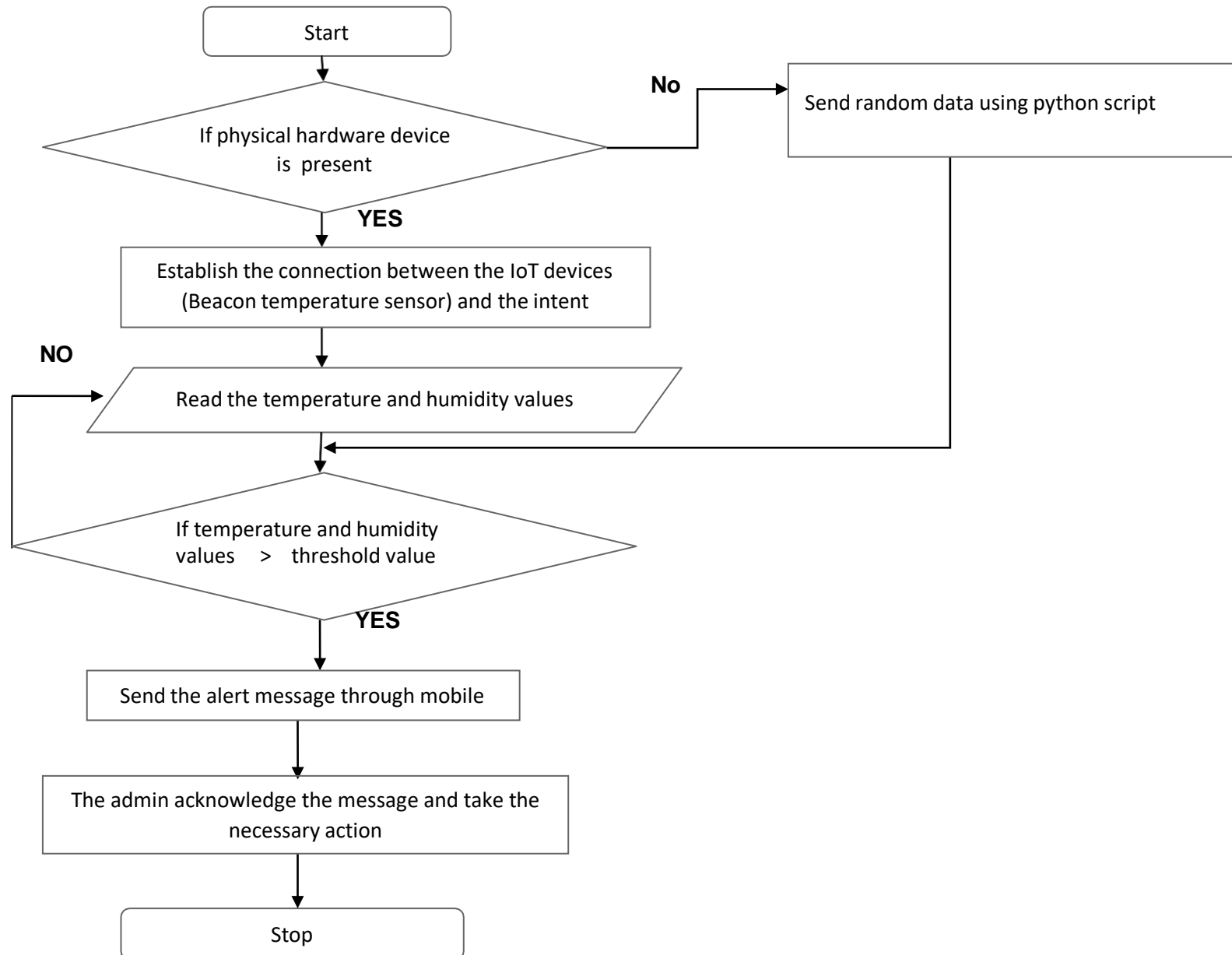
Project Design Phase-II
Data Flow Diagram & User Stories

Date	22 October 2022
Team ID	PNT2022TMID49260
Project Name	Hazardous area monitoring for industrial power plant powered by IoT
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 enter and leaves the system, what changes the information, and where data is stored.

DFD for hazardous area monitoring of industrial power plant powered by IoT:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (admins of the industrial power plants)	Installation	USN-1	As a user, I can install the IoT devices such as beacon temperature sensor	I can view the temperature of the hazardous area	High	Sprint-1
		USN-2	As a user, I can send the python script (random data) to the IoT platform		High	Sprint-1
		USN-3	As a user, I can receive the SMS using API	I can receive the alerts through mobile	High	Sprint-2
		USN-4	As a user, I can download the web application		Medium	Sprint-1
	Login	USN-5	As a user, I can login to the application by email and password		High	Sprint-1
	Dashboard					
	Database	USN-6	As a user,I can store all the data in IBM cloud database			
Customer (Workers in the hazardous area)						