Project Design Phase-II
Data Flow Diagram & User Stories

Date	20 May 2023
Team ID	NM2023TMID02223
Project Name	Industrial Workers Health and Safety System based on Internet of Things

Data Flow Diagrams:
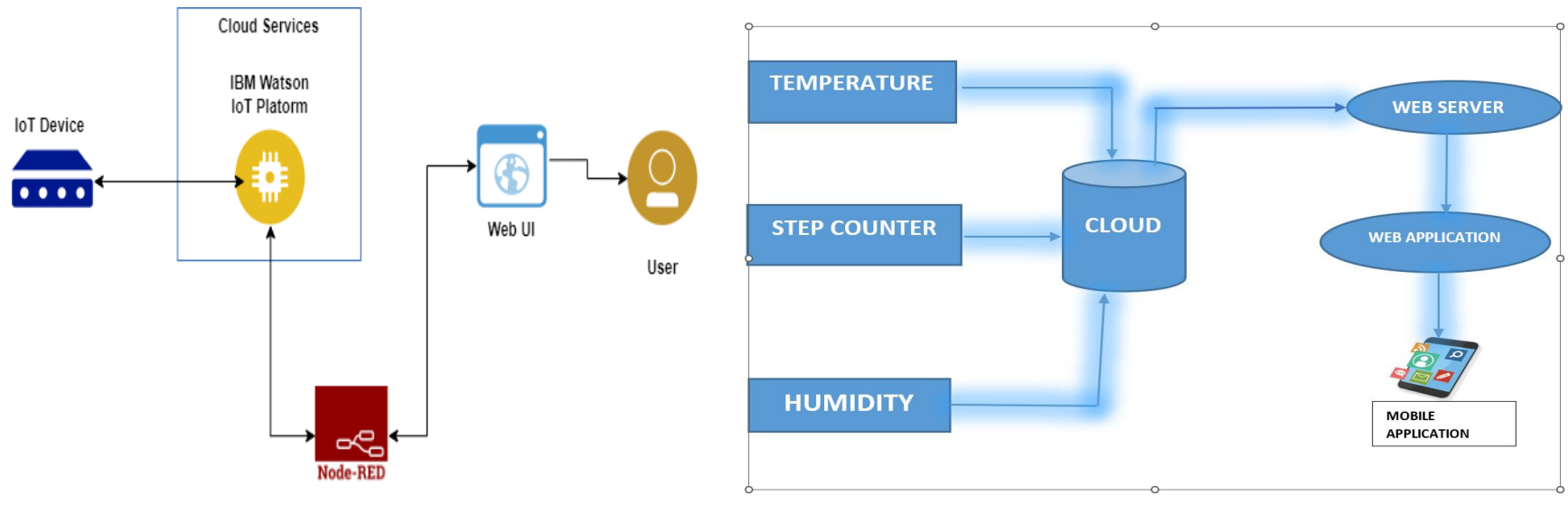
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team Member
supervisor	receive real-time notifications	USN-1	As a supervisor, I want to receive real-time notifications on my mobile device when a worker enters a hazardous area, so that I can ensure their safety and respond promptly in case of emergencies.	I can to receive real-time notifications on my mobile	High	Vidhya Bharathi
worker	connected wearable device	USN-2	As a worker, I want to wear a connected wearable device that monitors my vital signs, such as heart rate and body temperature, and alerts me if they reach critical levels, ensuring my health and safety on the job.	I can wear a connected wearable device	High	Harshitha
safety officer	monitor	USN-3	As a safety officer, I want to be able to remotely monitor the environmental conditions in the workplace, such as air quality and temperature, using IoT sensors	I can be able to remotely monitor the environment	Low	Harshitha
worker	Analyze data	USN-4	As a manager, I want to analyze historical data collected by IoT sensors to identify trends and patterns in workplace incidents, helping me make informed decisions about safety protocols and training programs to minimize risks.	I can analyze historical data	Medium	Kalai Selvi
safety inspector	regular inspections	USN-5	As a safety inspector, I want to conduct regular inspections using IoT-enabled devices to automatically capture and document safety-related information, reducing manual paperwork and streamlining the inspection process.	I can conduct regular inspections using IoT	High	Vidhya Bharathi