Project Design Phase- II
Technology Architecture

DATE	19 SEPTEMBER 2022
TEAM ID	PNT2022TMID03488
PROJECT NAME	Hazardous Area Monitoring for Industrial Plant powered by IoT
MAXIMUM MARKS	4 Marks

Technology Architecture:
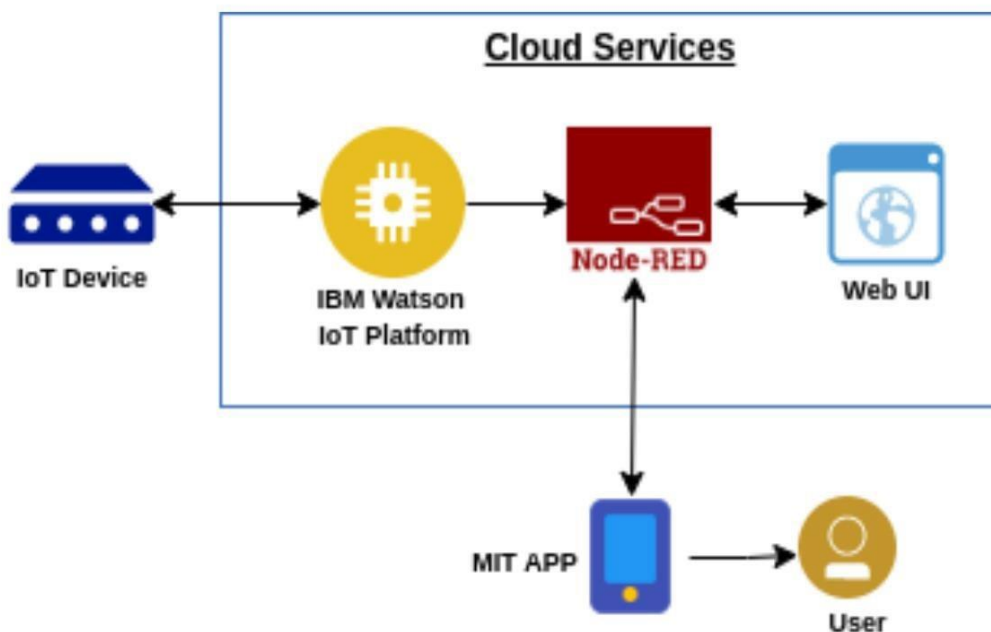
IoT Device :

Anything that has a sensor attached to it and can transmit data from one object to another or to people with the help of internet is known as an IoT device. The IoT devices include wireless sensors, software, actuators, computer devices and more.

Node-RED :

Node-RED is a visual tool for building workflows for IoT scenario. It allows chaining or wiring IoT devices and services the way IFTTT does it, mostly for web apps, APIs and services.

IBM Watson IoT Platform :

IBM Watson IoT Platform is a managed, cloud-hosted service designed to make it simple to derive value from your Internet of Things devices. STMicroelectronics is an IBM Partner and provides development platforms allowing users to develop applications with direct connection to the IBM Watson IoT platform.

Web UI :

The user interface consists of the features by which a user interacts with a computer system. This includes screens, pages, buttons, icons, forms, etc. The most obvious examples of user interfaces are softwares and applications on computers and smartphones.

MIT APP :

MIT App is an intuitive, block-based programming environment that allows beginner programmers to build functional apps for smart phones and tablets. MIT App In- ventor team has provided IoT extensions [2] to allow people to design and create apps to interact with physical devices.