# Project Design Phase-I
# Solution Architecture

| Date | 07 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID02873 |
| Project Name | Smartfarmer - IoT Enabled Smart Farming Application |
| Maximum Marks | 4 Marks |

## Solution Architecture Diagram:
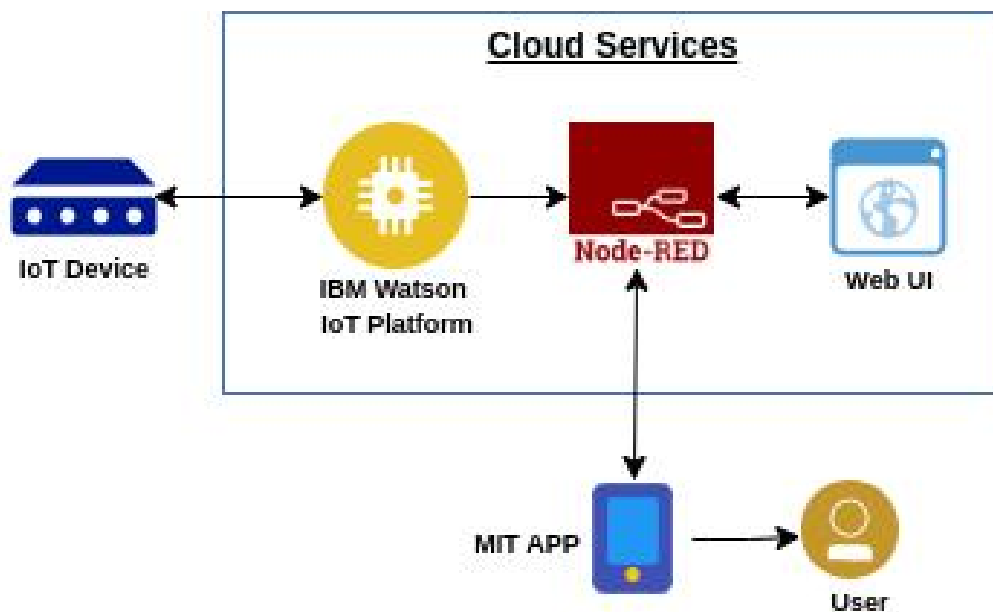


## IoT Device:

- 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.

## IBM Watson IoT Platform:

- Completely manage your IoT landscape and make better business decisions.

- Using a secure, smart and scalable platform as the hub of your IoT, get real-time analysis of user, machine and system-generated data, including speech, text video and social sentiment.

- You need contextual insight for truly cognitive IoT applications.

**Node-Red:**

- Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

- It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click.

**MIT App:**

- MIT App Inventor is an online platform designed to teach computational thinking concepts through development of mobile applications.

- Students create applications by dragging and dropping components into a design view and using a visual blocks language to program application behavior.

**Web UI:**

- The WebUI is a streamlined Web-based application with a user-friendly interface that allows you to easily manage the NetScreen appliance.

**User:**

- A user is any individual who is not involved with supporting or developing a computer or service.