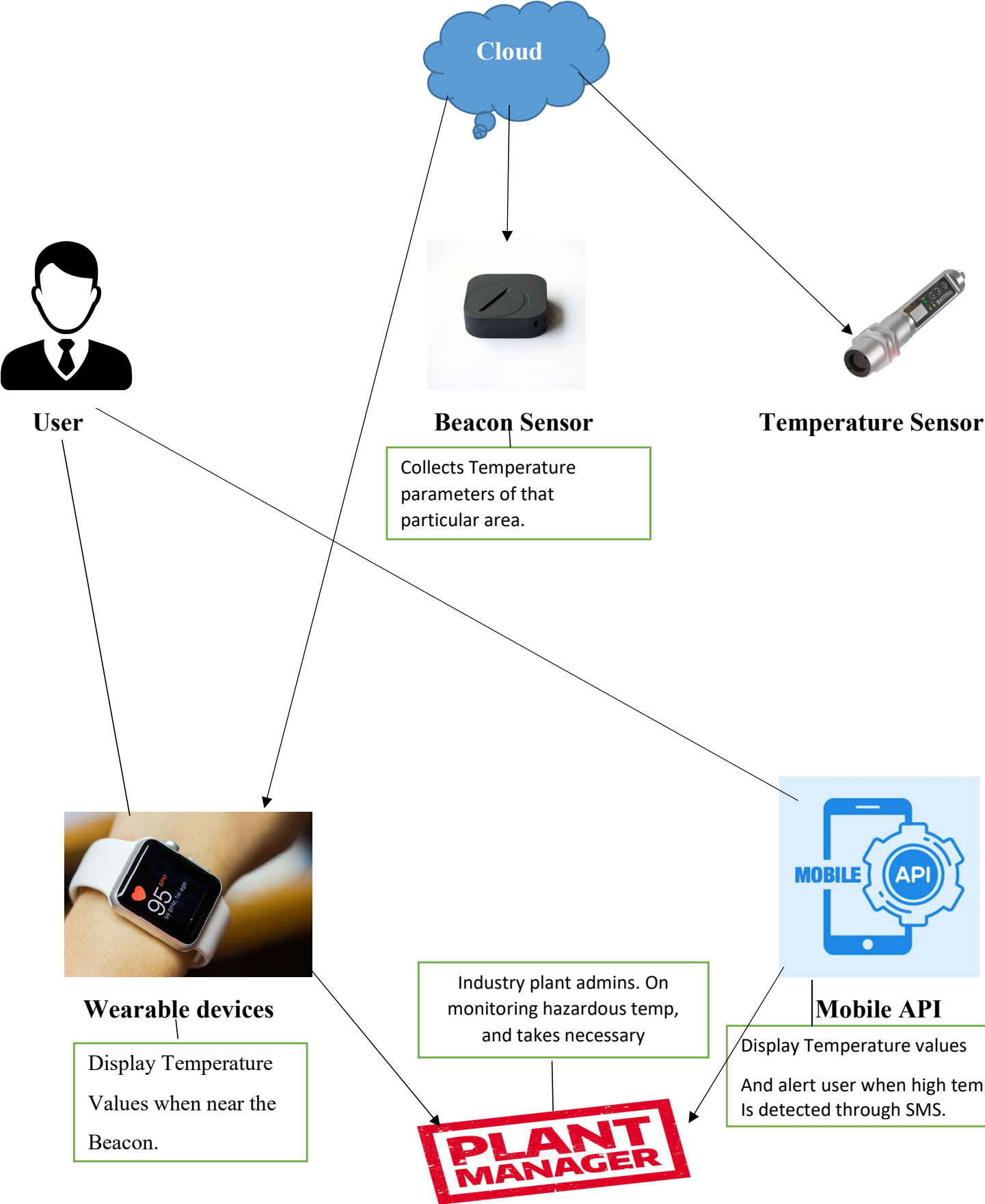# PROJECT DESIGN PHASE – 1

Solution Architecture

Date   **:** 14 Oct 2022

Team ID   **:** PNT2022TMID49366

Project Name: Hazardous Area Monitoring for Industrial Plant powered by IoT.

SYSTEM ARCHITECTURE:

Cloud

Beacon Sensor

Collects Temperature parameters of that particular area.

Temperature Sensor

User

Wearable devices

Display Temperature Values when near the Beacon.

Industry plant admins. On monitoring hazardous temp, and takes necessary

Mobile API

Display Temperature values

And alert user when high temp. Is detected through SMS.

Sequence diagram:

/USER	/UI SYSTEM	/Cloud DB

Request for temperature data display

View Temp parameters

Stores info collected sensors

Sends Temp parameters

Display Temp. Details

Alerts user when high temp. Is detected.