**SMART PUBLIC RESTROOM**

**IoT – PHASE – 1**

**PROBLEM DEFINITION AND DESIGN THINKING**

* **Problem Definition:**

-->Unavailability of rooms in the restroom.

-->Water scarcity or poor water quality.

-->Unhygienic restrooms.

* **Project (Potential solution):**

-->The project focuses on embarking an efficient public restroom facility and practical implementation for the same.

-->This can be done by installing IoT sensors such as for restroom occupancy using motion sensors and magnetic sensors and sensors for detecting cleanliness of the restroom and water availability and quality.

-->The sensors help in alarming the public for the availability in real-time and the maintenance team on the cleanliness of the restroom through the webpage or an application.