If the persons count reaches the threshold, the LCD will display please wait and the buzzer will be Activated.

* This is the initial state of the system if no one is present inside the venue. It displays people count as 0 and displays “Please Wait” message.

Diagram

Description automatically generated

Initial State

This state is reached when two persons enter from the entry (Where the peizo electric sensors gets activated and the count is increased)

* The count is incremented and displayed as “2”
* The message displayed is “Please Visit “– Because the given threshold is not reached (10)

Diagram, schematic

Description automatically generated

Visitors Increment

This is the case where the people inside the venue comes out through exit.

* The count is decremented as the people came throught exit point.
* The number of persons displayed as “1”
* The message displayed is “Please visit” –As the threshold is not reached

Diagram, schematic

Description automatically generated

Visitors Decrement

Here, the people went through the entry excluding the ones left the venue have reached

* Therefore, the buzzer is alarmed…
* The persons inside is displayed as “10”
* The message displayed is “Please wait”
* The buzzer will not stop until persons exit so that the people inside the venue is “9”

Diagram

Description automatically generated

Fig 4.4 Threshold Reached