Automatic Visitor Counter and Power Control

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Abstract:

Automated Visitor Counting: Utilizes sensors to automatically count incoming visitors and display the count using 7 segment displays

Bi-Directional Tracking: Accurately records both entries and exits, adjusting the count accordingly.

Laser-Based Detection: Utilizes laser technology to precisely detect incoming and outgoing visitors.

Customizable Limits: Allows users to set maximum occupancy limits for safety and compliance.

Automatic Restrict System: Features an automatic Restriction system that stops entry when the room reaches its defined occupancy limit, enhancing security and efficiency.

Energy Efficiency and Control: Incorporates power management by turning off lights in unoccupied areas and generates a live Electricity Bill

References:

Wiki on counters
7-segment Display
Counters – Definition, IC & Application
Class PPTS(Combinational Circuits)
 https://www.build-electronic-circuits.com/rc-delay-element/

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