**Design/Block diagram**

Drives the main door motor(Servo1).

PIR Sensor

Ultrasonic sensor.

Drives Sanitization motor (Servo2)/ Solenoid valve.

Drives pass gate motor (Servo3).

Human entry

LED’s and Buzzer.

**PIR Sensor**: Senses the entry of human beings and make main gate open for 3 seconds. Person should entry the through the gate within the time.

**Ultrasonic Sensor**: Its will wait for sensing the hand of person which should be down less than 50cm when sensor is placed in down , after sensing sanitization will happen for 2 seconds then the person should take the hand out. Them pass gate will open for 3 seconds.