OBJECT DETECTION USING PROCESSING SOFTWARE
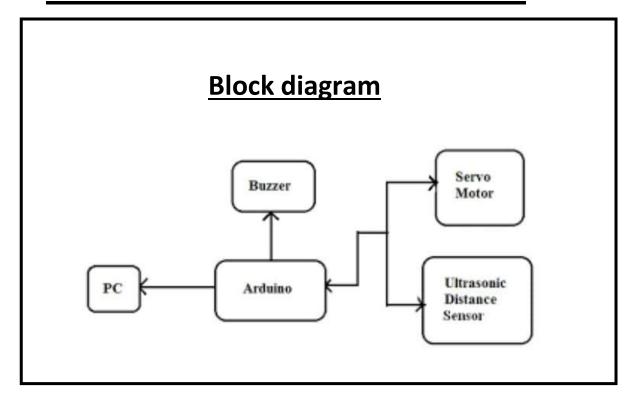
Block diagram

Buzzer

Servo Motor

PC

Arduino

Ultrasonic Distance Sensor

Working:

->   The aim of this project is to detect object and find distance of the object from the sensor using processing code. Arduino acts as interface between ultrasonic sensor , buzzer and processing IDE.

-> When the ultrasonic sensor detects any object within its range it gives information to the Arduino which will make buzzer to ring and display the location of the object graphically.

Advantages:

1. Radar procurable value is very low

2. Working and maintenance value is low.

3. Distance active resolution is high

4. Radar's jam is troublesome

5. It can work in any place

6. NASA uses radio detection and ranging to map the world and alternative plants

7. Activity gets updated in conclusion

Application as RADAR:

1.Radars are used in weather forecasting and it detects storms.

2.Radar guns are used to detect people who are driving too fast.

3.Radars are used to control Terrestrial Traffic.

4.Radar antennas are used to detect approaching Enemy Airplanes or Missiles.

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