

# **GSM BASED SECURITY ALARM SYSTEM USING LASER**

## **ABSTRACT**

Now days the crime gang also improves their technology to carry out their operation. So, technology of security should be modern with time to protect the world from crime. We decide to make a security issue as our project. In this project we have used laser beam to cover a large area. We know laser light goes to long distance without scattering effect. It's additionally obvious just at source and occurrence point, in any case invisible. These two properties help us to develop a modern security for today's days system, which may name as "Laser Security System". When any person or object crossover the laser light, automatically the buzzer starts ringing and sending SMS to woner. Laser beam goes through long distance without scattering effect and the ray is almost invisible.

The project involves the use of Arduino , GSM Modem, Laser light, Buzzer, LDR and a simple program. With this equipment's we can easily set up a security alarm anywhere for unwanted intruders. In this project, we have designed Laser Light Security System Using Arduino with Alarm with the application of Laser Diode Module. The project idea revolves around creating a security system. Whenever any object will obstruct the LASER ray the buzzer alarm will start ringing and sending SMS to woner.

This project can be implemented anywhere, not only buildings or premises but many precious things like jewelry, diamonds, precious antique items in the museum, etc many other things are also secured using such an invisible LASER beam. Many people secure their home, office, shops, warehouses, etc with the LASER beam security system.

# BLOCK DIAGRAM

