**Project – Health and safety at workplace**

Work to do –

1. Hardware part
2. Software part

**Hardware:**

A device that has multiple sensors. Sensors should be placed in different places. Sensors should send the values in the local server and to the central server for checking. Fire, smoke sensor data should turn on the immediate alarm and extinguisher unit.

Sensor list –

1. Smoke
2. Fire ( too expensive )
3. Humidity and Temperature
4. Light ( sufficient for working)
5. Air ventilation
6. Co2 and poisonous gas
7. Alarm system and voice instruction

We’ll say that these sensors are basic ones. We can implement any sensors we need specifically for any company.

**Software:**

We need to collect the data from the sensors and keep it monitoring and also send a feedback to the central server. The data which is sent to the central server shouldn’t be manipulated.

The central advisor and visitor should be able to send email to the company and warn about the problems they aren’t solving yet. The company must reply to the objection otherwise the visitor will visit them and case a file.

**Most importantly, any worker can object about the company directly to the central complain box with proof without mentioning his name or identity.**

**The specialty of the software part must be that it can’t manipulate or change od data.**