# ABSTRACT

The level of pollution has increased with times by lot of factors like the increase in population, increased vehicle use, industrialization and urbanization which results in harmful effects of human wellbeing by directly affecting health of population exposed to it. In this project we are going to make an IoT based air pollution monitoring system in which we will monitor the air quality over a web server using internet and will trigger a LED when the air quality goes down beyond a certain level, means there are sufficient amount of harmful gases are present in the air like CO2, smoke, alcohol, benzene and NH3. It will show the air quality in PPM and the data gets stored in the database. The stored data is processes to cloud and edge servers and the results gets displayed on webpage and an android application, so that we can monitor it very easily. In this IOT project, you can monitor the pollution level from anywhere using your computer or mobile. If the hazardous gases exceed a limit in a locality, users can submit a query through an e-mail. Based on that medical camps would be conducted in that locality.