

ECO-SAVIOUR



Project name:-Pollution Detecting App

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INTRODUCTION



- Pollution :- The visible or invisible particles found in our surrounding those are harmful to living beings as well as the environment.
- Requirement of a smart Pollution Detecting solutions.
- Necessity of a convinient, comfortable energy and cost efficient device .

Problem Statement



Pollution check:

Air pollution is high in many cities in India. Due to resource constrain, the pollution check is not captured. A solution to this problem needs to be developed which is effective and cost efficient.

Proposed Solution



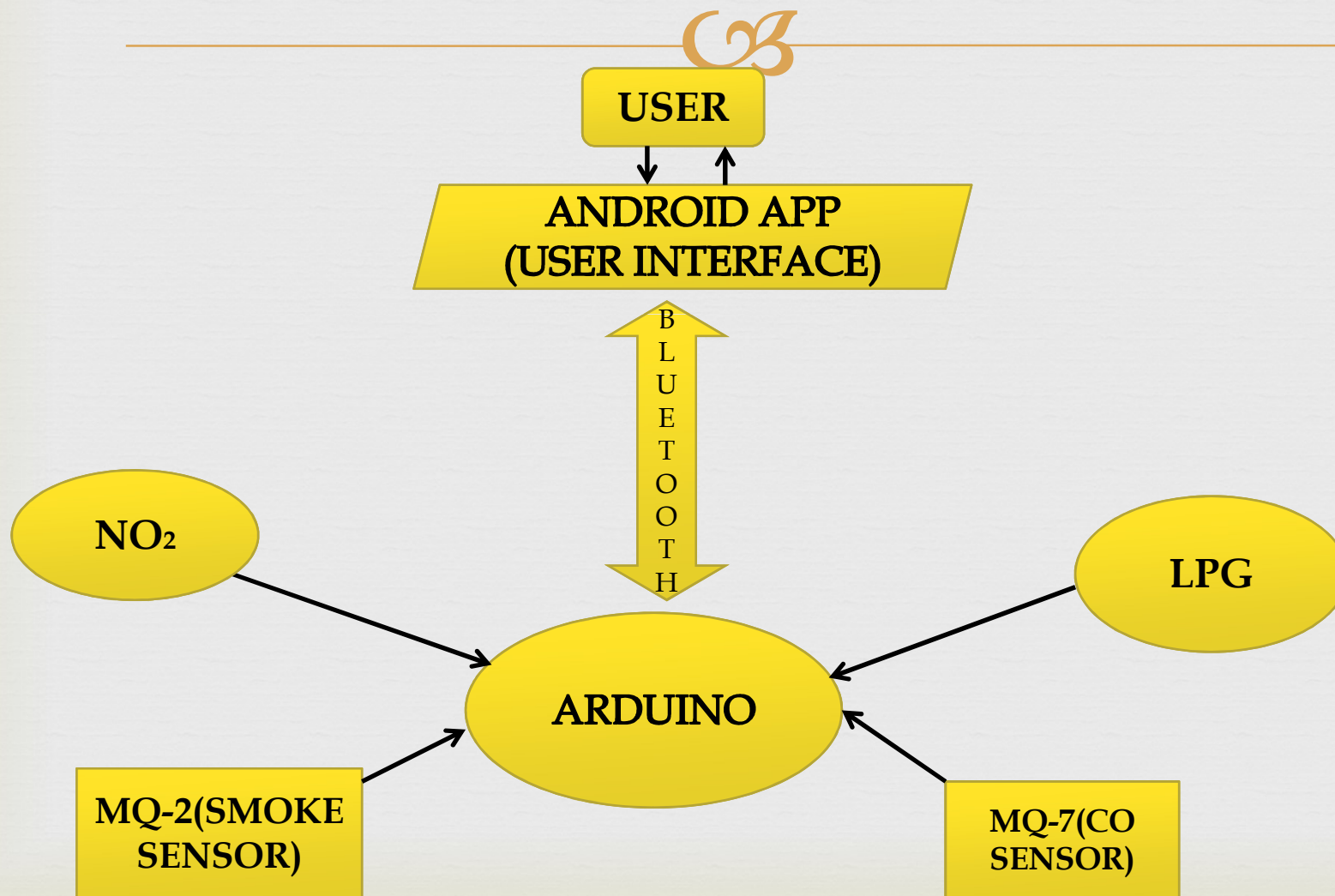
- ❧ Smart device that receives the data from sensors and transmit it to the android app using Bluetooth / Wi-Fi device and send data globally to the cloud so that government can also access those data.
- ❧ And according to the current data it will compare and show the amount of that gas and according to that it will give you some immediate suggestions.

APPLICATION



- ∞ The system can be used in home.
- ∞ It can also be used in offices , industries and traffic areas .
- ∞ Researcher's can also use these device to collect data and perform analytics .
- ∞ Accessing the current data remotely.
- ∞ Data is send to government also.

BLOCK DIAGRAM



SOFTWARE



∞ Android Studio

∞ Arduino IDE

∞ Processing Programming language

HARDWARE



- ❧ Arduino Board
- ❧ MQ-2 sensor
- ❧ MQ-7 Sensor
- ❧ HC-05 Bluetooth Module
- ❧ LED

FUTURE GOALS



- ❧ We will navigate new and pollution free route to the user depending on the situations.
- ❧ Data stored on the cloud by large number of devices can be used to overcome the current alarming global warming. It can be done by analysing the data which will tell us which area is more polluted and what could be the possible cause of it.

CONCLUSION



- ✧ It will help to reduce the number of person suffering from respiratory diseases , headache , dizziness etc..
- ✧ It can also send the pollution amount to government and can make them aware of the pollution so that they can take some decision regarding the problem.

