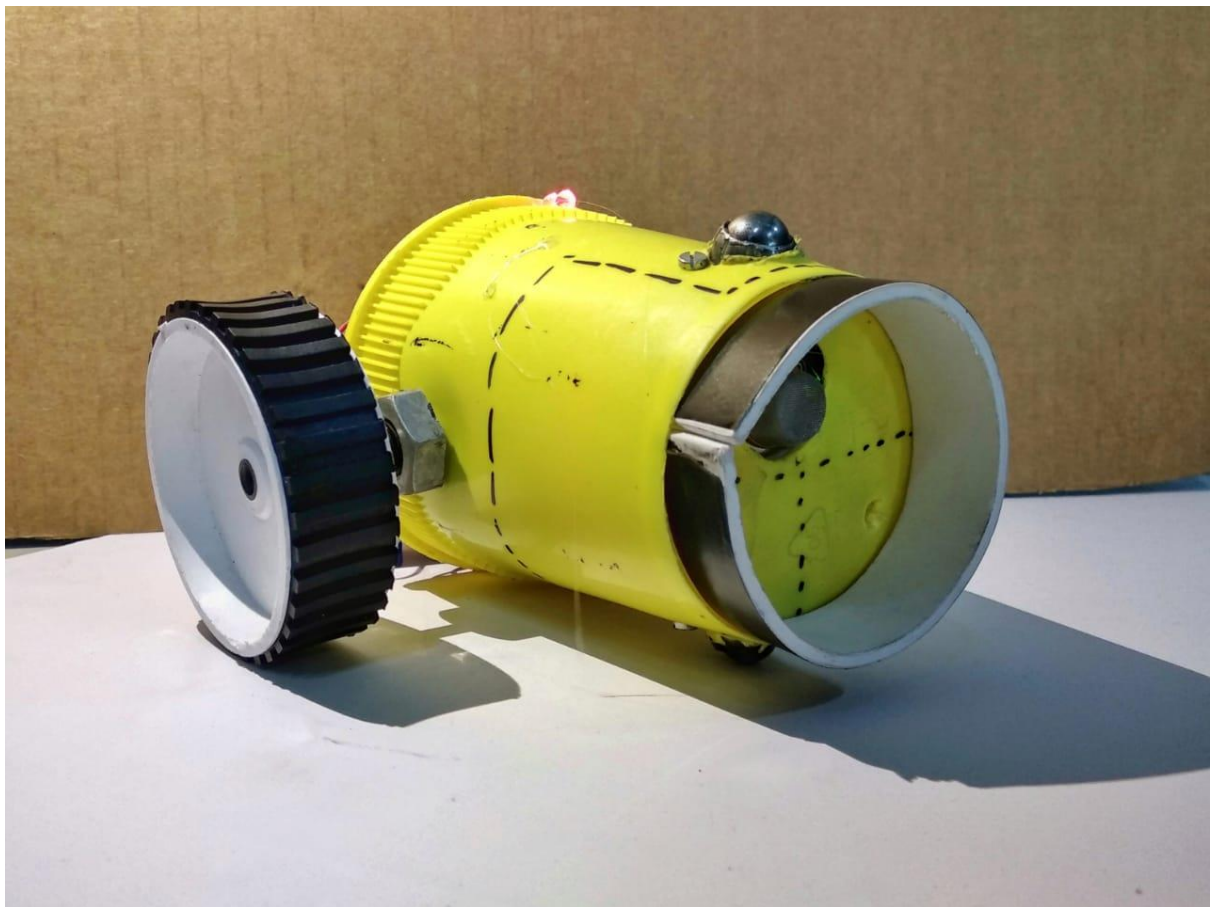# GAS SENSING GRENADE (GSG)

GSG is the project which we have made during our Robothon 5.0 competition. Our team includes Midhun C Kachappilly, Akhil M, Aswin S and our team name is Bit Please which is a coding group under the project CUB part of Sahridaya which is a non profitable NGO.

 GSG is a gas sensing grenade that can be thrown inside the building with fire or other dangerous conditions. The module consist of an MQ2 gas sensor, a microcontroller and a 433MHz transmitter, and 9v battery. We add the module the features to move with in the house using a wheel connected to a motor and two caser wheels are being connected which make the module more mobile. This helps the module to take an average amount of gas and the type of gases inside the building. The MQ2 gas sensor can sense Methane, LPG, Butane and Smoke. It senses the gas in PPM values and will be monitored by the microcontroller. We use Arduino as the microcontroller which I uploaded with a library file known as Talkie.h which is a voice library using this library we actually send the data to receiver which is tuned to 433MHz using a amplifier circuit made using bc547 we actually received the data as voice command.

This is the module which we had made.