Team Members

Roll No.	Name
22881A0580	J. DEEKSHITH
22881A0584	K. LAVANEESH
22881A0585	K. SWAMY
22881A0588	K. SAMPATH
22881A0590	M. CHRIS LEE

Dept. of :

COMPUTER SCIENCE AND ENGINEERING

VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)
Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified
Kacharam, Shamshabad, Hyderabad – 501218, Telangana, India

CENTRE FOR COMMUNITY INNOVATION AND TRANSFORMATION

PRODUCT EXPO – 2K24

Product Realization (A8024)

Faculty Mentors Details

1. Dr. C. PADMINI

2.Dr. S. SUJANA

ALCOHOL DETECTION WITH AUTO ENGINE CUTOFF

Objectives

- ✓ **The objective of our system is to stop a four-wheeler if the person driving the vehicle is drunk.**
- ✓ **To prevent accidents caused by drunk and driving.**

Need Statement

- ✓ **Drunk and driving is one of the major causes of accidents. In India, around 3,500 accidents are caused by drunk and driving. So, there is a need for a technology integrated way to stop accidents.**

SDG & Sub-SDG

Details of Community Partner

- ✓ Name of Person: Satish
- ✓ Age: 37
- ✓ Occupation: Car showroom supervisor
- ✓ Mobile Number:
- ✓ Address: Mohan nagar, Nagole, Hyderabad

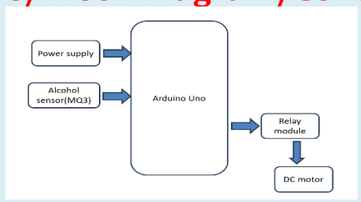
Detailed Specifications

- ✓ **. Real time monitoring**
- ✓ **. Sensor technology**
- ✓ **. Alert mechanism**
- ✓ **. Safety protocol**

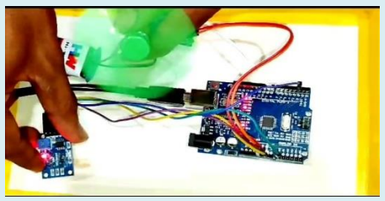
Detailed Budget

S.No.	Component	Price (Rs.)
1.	Arduino Uno	800/-
2.	MQ3 Sensor	250/-
3.	Relay modules, batteries, DC motors, buzzer	425
	Total	1475/-

Architecture/Block Diagram/Concept Design



Product Picture



Feedback of Community Partner

Nagole Main Road, Beside Dcp Police Stn, Hyderabad, Telangana 500068

Patent/Paper/Business Model Details

Paper work in process