

# FORM 2 STEM PROJECT

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# SUSTAINABLE DEVELOPMENT GOALS



TARGET 3-1



REDUCE MATERNAL MORTALITY

TARGET 3-2



END ALL PREVENTABLE DEATHS UNDER 5 YEARS OF AGE

TARGET 3-3



FIGHT COMMUNICABLE DISEASES

TARGET 3-4



REDUCE MORTALITY FROM NON-COMMUNICABLE DISEASES AND PROMOTE MENTAL HEALTH

TARGET 3-5



PREVENT AND TREAT SUBSTANCE ABUSE

TARGET 3-6



REDUCE ROAD INJURIES AND DEATHS

TARGET 3-7



UNIVERSAL ACCESS TO SEXUAL AND REPRODUCTIVE CARE, FAMILY PLANNING AND EDUCATION

TARGET 3-8



ACHIEVE UNIVERSAL HEALTH COVERAGE

TARGET 3-9



REDUCE ILLNESSES AND DEATH FROM HAZARDOUS CHEMICALS AND POLLUTION

TARGET 3-A



IMPLEMENT THE WHO FRAMEWORK CONVENTION ON TOBACCO CONTROL

TARGET 3-B



SUPPORT RESEARCH, DEVELOPMENT AND UNIVERSAL ACCESS TO AFFORDABLE VACCINES AND MEDICINES

TARGET 3-C



INCREASE HEALTH FINANCING AND SUPPORT HEALTH WORKFORCE IN DEVELOPING COUNTRIES

TARGET 3-D



IMPROVE EARLY WARNING SYSTEMS FOR GLOBAL HEALTH RISKS

# Problem for achieving the SDG

- Before: Toxic Chemicals → Death
- WHY people cannot identify them







**HOW?**



The diagram illustrates a system architecture for a weather monitoring system. At the top, there is a light blue rounded rectangle containing the text "Weather Monitoring System". This rectangle is partially overlapped by a darker blue rounded rectangle to its left. A vertical line extends from the bottom center of the light blue rectangle, connecting to a horizontal line that spans the width of the diagram. Below this horizontal line, there is a gap, followed by another horizontal line, and then a final horizontal line at the bottom. The overall structure suggests a flow or connection between the system and the lower components.

Weather  
Monitoring  
System

# Materials

- Char Siu Board
- Gas Sensors
- Arduino Board
- Ethernet Extension Shield
- 20x4 LCD Display
- LED
- Buzzer
- Battery Holder

# Basic Design

