FORM 2 STEM PROJECT

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SUSTAINABLE DEVELOPMENT G🟠ALS

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	SUSTAINABLE DEVELOPMENT G🟠ALS

TARGET 3·1	TARGET 3·2	TARGET 3·3	TARGET 3·4	TARGET 3·5	TARGET 3·6
REDUCE MATERNAL MORTALITY	END ALL PREVENTABLE DEATHS UNDER 5 YEARS OF AGE	FIGHT COMMUNICABLE DISEASES	REDUCE MORTALITY FROM NON-COMMUNICABLE DISEASES AND PROMOTE MENTAL HEALTH	PREVENT AND TREAT SUBSTANCE ABUSE	REDUCE ROAD INJURIES AND DEATHS

TARGET 3·7	TARGET 3·8	TARGET 3·9	TARGET 3·A	TARGET 3·B	TARGET 3·C	TARGET 3·D
UNIVERSAL ACCESS TO SEXUAL AND REPRODUCTIVE CARE, FAMILY PLANNING AND EDUCATION	ACHIEVE UNIVERSAL HEALTH COVERAGE	REDUCE ILLNESSES AND DEATH FROM HAZARDOUS CHEMICALS AND POLLUTION	IMPLEMENT THE WHO FRAMEWORK CONVENTION ON TOBACCO CONTROL	SUPPORT RESEARCH, DEVELOPMENT AND UNIVERSAL ACCESS TO AFFORDABLE VACCINES AND MEDICINES	INCREASE HEALTH FINANCING AND SUPPORT HEALTH WORKFORCE IN DEVELOPING COUNTRIES	IMPROVE EARLY WARNING SYSTEMS FOR GLOBAL HEALTH RISKS

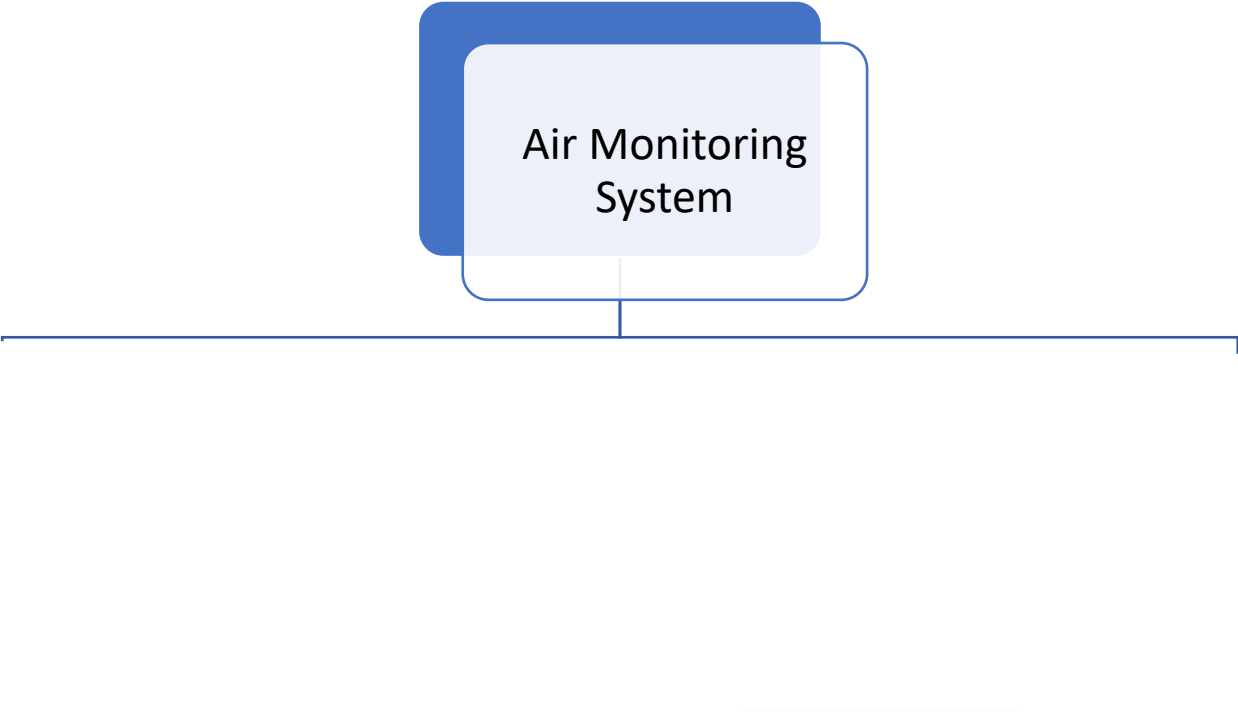# Problem for achieving the SDG

- Before: Toxic Chemicals possibly → Death

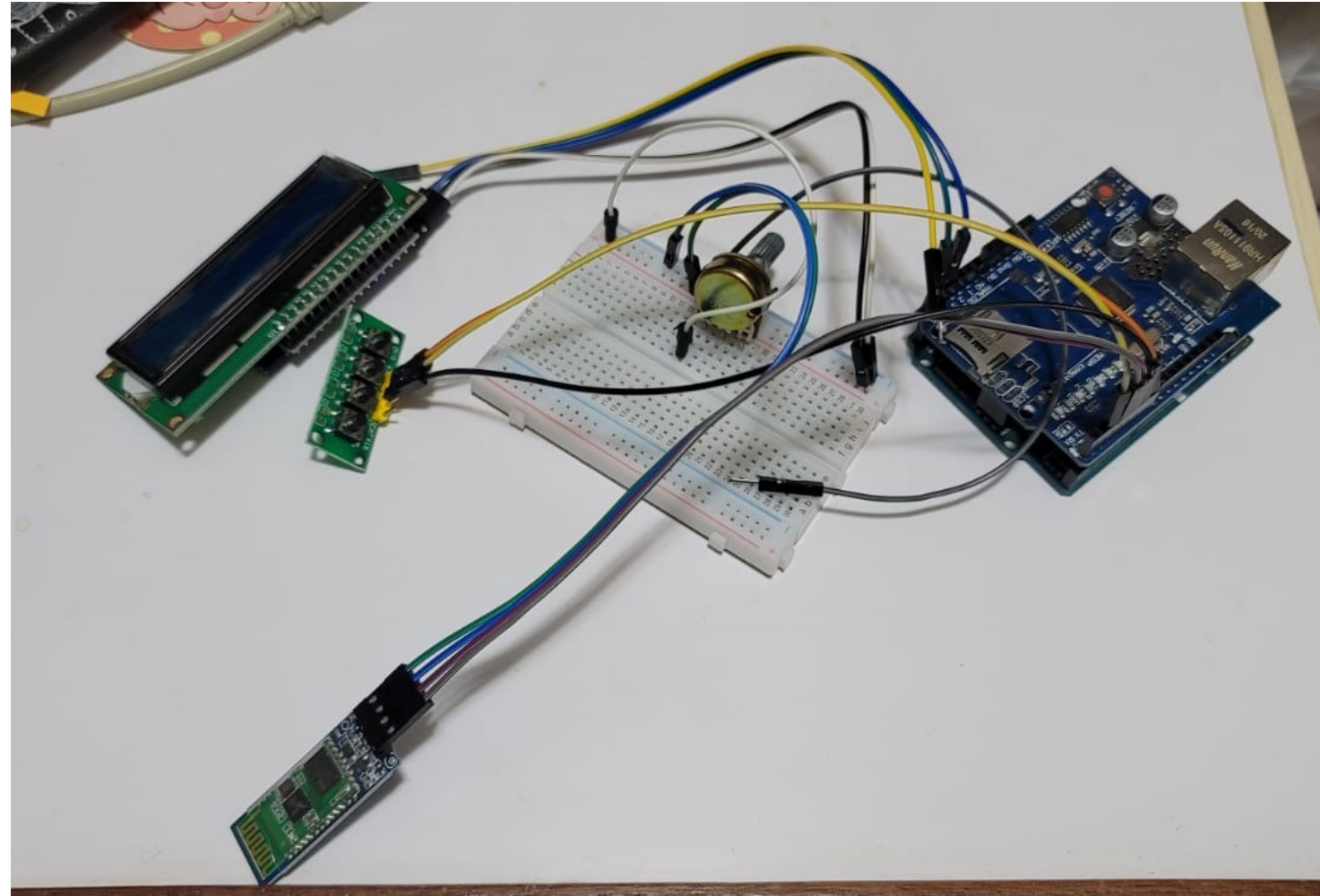- WHY people cannot identify them

Air Monitoring
System

Materials

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

Future of the Project

- Fume Cupboard

- Update the data using the internet wirelessly with ESP32

- Test for present of gas in experiment