**UNIVERSITY OF CAPE COAST**

**COLLEGE OF AGRICULTURE AND NATURAL SCIENCES**

**SCHOOL OF BIOLOGICAL SCIENCES**

**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

**Air Quality Monitoring**

**2021/2022 Academic Year**

|  |  |  |
| --- | --- | --- |
| **Air Quality Sensor** | **Components** | **№ Components** |
| A | MiCS-6814 Gas Air Sensor-CO, NH3, NO2 | 1 |
|  | CCS 811 sensor-CO2, TVOC | 1 |
|  | Methane-MQ4 | 1 |
|  | Hydrogen-MQ5 | 1 |
|  | Wind Speed | 1 |
|  | Temperature | 1 |
|  | Microcontrollers | 1 |
|  | PCB Board | 1 |
|  | Jumper cables |  |
|  | Solar Panel |  |
|  | Housing\*\*\*\*\*\*\*\* |  |
|  |  |  |
| B | MICS-6814 Gas Air Sensor-CO, NH3, NO2 | 1 |
|  | CCS 811 sensor-CO2, TVOC | 1 |
|  | Methane-MQ4 | 1 |
|  | Hydrogen-MQ5 | 1 |
|  | Wind Speed | 1 |
|  | Temperature | 1 |
|  | Microcontrollers | 1 |
|  | PCB Boards | 1 |
|  | Jumper cables |  |
|  | Solar Panel |  |
|  | Housing\*\*\*\*\*\*\* |  |
|  |  |  |
| C | MICS-6814 Gas Air Sensor-CO, NH3, NO2 | 1 |
|  | CCS 811 sensor-CO2, TVOC | 1 |
|  | Methane-MQ4 | 1 |
|  | Hydrogen-MQ5 | 1 |
|  | Wind Speed | 1 |
|  | Temperature | 1 |
|  | Microcontrollers | 1 |
|  | PCB Boards | 1 |
|  | Jumper cables |  |
|  | Solar Panel |  |
|  | Housing\*\*\*\*\*\* |  |
| D | Methane-MQ4 | 2 |
|  | Hydrogen-MQ5 | 2 |
|  | Microcontrollers | 1 |
|  | PCB Boards | 1 |
|  | Jumper cables |  |
|  | Solar Panel | 1 |
|  | Housing \*\*\*\*\*\*\*\* |  |
|  |  |  |
| E | Methane-MQ4 | 2 |
|  | Hydrogen-MQ5 | 2 |
|  | Microcontrollers | 1 |
|  | PCB Board | 1 |
|  | Jumper cables |  |
|  | Solar Panel | 1 |
|  | Housing\*\*\*\*\*\*\*\*\*\* |  |
|  |  |  |
| F | Methane-MQ4 | 2 |
|  | Hydrogen-MQ5 | 2 |
|  | Microcontrollers | 1 |
|  | PCB Board | 1 |
|  | Jumper cables |  |
|  | Solar Panel | 1 |
|  | Housing \*\*\*\*\*\*\*\*\*\* |  |
|  |  |  |
| G | Ozone-O3 | 1 |
|  | Oxygen-O2 | 1 |
|  | Microcontrollers | 1 |
|  | PCB Board | 1 |
|  | Jumper cables | 1 |
|  | Solar Panel | 1 |
|  | Housing\*\*\*\*\*\*\*\*\*\* |  |
|  |  |  |