**Project Idea Submission Form**

|  |
| --- |
| **Student Ids (In ascending order)** |
|  |
| **Project Name** |
|  |
| **Brief Project Description** (We expect you to discuss here a very top level overview of your project, e.g., what sensor/environment values you are reading, which sensor(s) you are using to do that, what do you plan to do with these sensor/input readings, what processing/algorithm you run on these inputs, what actuators/output devices you are using, what the actuator(s)/output do/mean, etc.  Do not discuss the motivation of the project if it is obvious!) | |
|  | |
| **List of sensors/input devices used** | | |
| 1. Gas Sensor (MQ-4) : <https://www.techshopbd.com/product-categories/gas/1626/gas-sensor-mq-4-techshop-bangladesh> 2. Gas Sensor (MQ-5) : <https://www.techshopbd.com/product-categories/gas/1631/smoke-sensor-mq-5-techshop-bangladesh> 3. Smoke Sensor Module (MQ-2) : <https://www.techshopbd.com/product-categories/gas/1041/smoke-sensor-module-mq-2-techshop-bangladesh> 4. Grove - Air quality sensor v1.3 : <https://www.techshopbd.com/product-categories/gas/1182/grove-air-quality-sensor-v1-3-techshop-bangladesh> 5. LM35 Temperature Sensor Module : <https://www.techshopbd.com/product-categories/temperature/1691/lm35-temperature-sensor-module-techshop-bangladesh> 6. Push Button | | |
| **List of Actuators/output devices used** | | |
| 1. Water Pump DC-12V : <http://www.roboticbd.com/product/water-pump-dc6v-12v/> 2. DC Fan 12V (3.1in) : <https://www.techshopbd.com/product-categories/dc-fan/251/dc-fan-12v-3-1in-techshop-bangladesh> 3. 12V Solenoid Valve - 3/4" : <https://www.techshopbd.com/product-categories/solenoid/1357/12v-solenoid-valve-3-4-techshop-bangladesh> 4. SIM900A Kit : <https://www.techshopbd.com/product-categories/eval-board/2041/sim900a-kit-techshop-bangladesh> 5. Solid State Relay : <https://www.techshopbd.com/product-categories/relay/2786/solid-state-relay-techshop-bangladesh> 6. LCD Display 7. LED 8. Buzzer | | |
| **Miscellaneous & Discussion (If Any)** | | |
|  | | |