|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Project ID** | **Package ID** | **Project Name** | **Description** | **Last Modified** |
| 1 | Proj0001 | PGK001 | SOS Light Flashing | In this code we will simulate SOS Light flashing, This project consists of while LED and button to start flashing. | April 01,2020 |
| 2 | Proj0002 | PGK001 | Single Traffic Light | In this code we will simulate single traffic light have three type of LEDs GREEN, YELLOW, RED | April 01,2020 |
| 3 | Proj0003 | PGK001 | Light level detector On Off | The code for this project simulate the street light that switch on the light when its coming darkness and if coming morning the light will switch off, This project consists of LDR (Light Dependency Resistor) Sensor and White LED. | April 01,2020 |
| 4 | Proj0004 | PGK001 | Control LED light brightness | Controlling the light brightness level base on LDR (Light Dependency Resistor) . This project consists of LDR (Light Dependency Resistor) Sensor and White LED. | April 01,2020 |
| 5 | Proj0005 | PGK001 | Gas safely system | Detect the CO2 gas level and raising alert sound and light base on the level of CO2 or any type of LPG (Liquid petroleum gasses). This project consists of MQ2 sensor, red led, and buzzer for sound alerting | April 01,2020 |
| 6 | Proj0006 | PGK001 | water level detector | In this code we will simulate water level detector that this have three type of LEDs GREEN, YELLOW, RED, indicator for the water level if it's green that mean it's full if yellow that mean medium level and red if its empty and the alert will be raised using buzzer | April 01,2020 |
| 7 | Proj0007 | PGK001 | Temperature level detector | In this code we will simulate temperature level detector that this have three type of LEDs GREEN, YELLOW, RED indicator for the temperature level if it's green that mean it's safe if yellow that mean up normal level and red if it’s over heat and the alert will be raised using buzzer | April 01,2020 |
| 8 | Proj0008 | PGK001 | Piano 4 buttons | Create a piano using just 4 button to generate sound similar to piano notes, This project consists of 4 button and buzzer. | April 01,2020 |
| 9 | Proj0009 | PGK001 | Memory Game (Simon) | This game is a Simon based game for the Arduino. This project consists of 4 buttons, 3 LEDs, and buzzer. In this game you have to follow the pattern of LEDs/notes as long as you can. | April 01,2020 |
| 10 | Proj0010 | PGK001 | Click to win | It’s a game have little button when it’s pressed, the strip of white LED (10 LED) will turns on and turns off, and there is a red LED in the middle. You should push the button when lighting reach the middle LED (Red LED) to win, this project consists of 10 white LED and 1 red LED also there is Buzzer for sound indicator. | April 01,2020 |