

Assignment no. 4.

43212

Title - Develop a smart light system

Problem statement - Develop a smart light system using open source hardware platform like aurdino & some sensori.

Theory -

Acadino - Aruduino:

- It is an open source electronics platform based on easy to use hardware & software
- Aurdino boards are able to read inputs. light on sensors, a finger on button, etc.

> Components:

1) LPR :-

- Light Dependent resistor
- It is a device whose resistivity is a function of the incident electromagnetic radiation.
- Hence, they are light sensitive device.

2) Aurdino:

- It is used to ohl off the bulp/light
- 3) 4.7k register.
- 4) Bread Board
- 5) Connecting Wires
- C) BYLD/LED

