Global Positioning System: It is a small electronic circuit that allows to connect RaspberryPi to get Location of an area with faulty street light, also to get location of an area with traffic.

LED Bulb: They are cost effecting and are used in street light as if consumes less electricity compared to conventional lights. (more than 75% less energy compared to incandescent lights)

Thing Speak cloud: Thing speak IOt cloud platform is for free to upload up to 8 data.

We are sending sensor data to the cloud we can even analyse & visualize the data.

It is free and open source for users. The main use of this is to collect data from different sensors & retrieve it back whenever required.

The LDR will check for the intensity of surrounding space and will update it for every 10 seconds,

If there is a change then the intensity, then the data will be stored into the cloud.

* The processed data/intensity value in the cloud will be checked If the intensity is high, then there is no need of light the street light will be automatically turned OFF.
* If the intensity of the light is less, then IR sensor will detect the heat radiation change due to moment of living organism or the vehicles.
* If any living organism or the vehicle is detected within a range of 250 meters then the street loght are made to automatically ON else it will be kept OFF.