Group-2

SMART STREET LIGHT

Right Now, there are more than 27 million Street lights in India. The average power consumed by each street light is around 80watts. Budget of India in managing all the street light is around 1800 million dollars. Apart from this large budget street lights in India are not very much efficient and they also led to Light pollution. Light pollution may effect many animals it can also effect lifecycle of plants and it can also effect the brains of human. As we are developing, we need to resolve these issues for the betterment of our future. So, the question is how can we resolve this issue?

Well we can create something better than an ordinary street light Which will tackle these types of problems. Our team has come up with the project of “Smart Street Light”. These street lights have various features and specialty which makes it perfect for the modern world. It remains OFF until the sun sets due to LDR sensor which saves huge amount of energy. These Street light dim themselves when there is no vehicle this also helps in saving energy. This happens due to PIR sensors. This will help in reducing the money spent on street lights and make it more efficient. In 2017, around 12,000 people died due to accidents occurring in fog. As lot of accidents which occurs doe to improper visibility in a foggy region, we have tried to solve this problem by using color sensor this sensor will detect the fog and the street light will glow in yellow colour which will increase the visibility and thus it will help in reducing accidents. We will also use a server connectivity system to sends the defect the defaults in street light.

After successfully implementing smart street light around the world it will be easier to achieve a pollution free world and it would also ultimately reduce the cost spend on street light and the energy consumption will also be reduced.