**Automatic Light Fault Detecting System**

*Ajay Rahul R*

*Dept. of ECE*

*M. Kumarasamy College of Engineering, Thalavapalayam,*

*Karur 639 113*

*Affiliated to Anna University*

*ajayrahul19823@gmail.com*

*Athil Abdul Rahim M*

*Dept. of ECE*

*M. Kumarasamy College of Engineering, Thalavapalayam,*

*Karur 639 113*

*Affiliated to Anna University*

*athilabdulrahim4@gmail.com*

*Aakash T*

*Dept. of ECE*

*M. Kumarasamy College of Engineering, Thalavapalayam,*

*Karur 639 113*

*Affiliated to Anna University*

*aakashtamil17@gmail.com*

*Senthil Kumar T*

*Dept. of ECE*

*M. Kumarasamy College of Engineering, Thalavapalayam,*

*Karur 639 113*

*Affiliated to Anna University*

*senthilkumartece@mkce.ac.in*

*Dharaneswara V*

*Dept. of ECE*

*M. Kumarasamy College of Engineering, Thalavapalayam,*

*Karur 639 113*

*Affiliated to Anna University*

*becdharaneswarav@gmail.com*

**Abstract**

This project is developed by our team with the main motto of reducing the workload of the electrician and wiring man. The process of rectifying the complaint of the defective street light may take a lot of time to point out where the problem occurs. In this project, the process can be done simply as the process of finding the defective one is automated with an IOT process which points out the location with a GPS module, so the live tracking process can be done easily. Even though, the process of finding the location can be done with a GPS Module by sending an SMS of the specified lining street lamp number or by storing the coordinates of the location such as the latitude and altitude of the place. Thereby, storing the data in the cloud and accessing the location by navigation using maps. For the progress of this project, we can use a navigation system. hereby, we can enhance the effectiveness of the project and we can also make it a time-efficient process. In modern times, people used to move on with time-efficient processes. So, the reduction in period may help people not suffer a lot from the problems and help the authority work consistently.

***Keywords: GPS Module, SMS, Navigation, IOT, Cloud storage, Time efficiency.***