

Automatic Smart Street Light System

**Saloni Sandip Tambat, Devesh Merani, Harsh Gaikwad,
Shifa Minaj Shikalgar, Mis. Monika Kute**
Department of Computer Engineering
Pimpri Chinchwad Polytechnic, Pune, Maharashtra, India

Abstract: *The Project is designed to detect vehicle movement on highways to Switch ON only a block a street lights ahead of it(VEHICLE),and to switch off the trading light to save energy. During night all the lights on the highway remain On for the vehicles, but lots of energy is wasted when there is no vehicle movement. This support system provides a solution for energy saving. This is achieved by sensing and approaching vehicle and then switch on a Block of street lights ahead of the vehicle. As the vehicle passes by, the trading lights switch off automatically. Thus, we save a lot of energy.*

Keywords: Street Light, Arduino, Microcontroller, Ultrasonic sensor.

REFERENCES

- [1]. G. Eason, B. Noble, and I. N. Sneddon, "On certain integrals of Lipschitz-Hankel type involving products of Bessel functions," *Phil. Trans. Roy. Soc. London*, vol. A247, pp. 529–551, April 1955. (references)
- [2]. J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68–73.
- [3]. I. S. Jacobs and C. P. Bean, "Fine particles, thin films and exchange anisotropy," in *Magnetism*, vol. III, G. T. Rado and H. Suhl, Eds. New York: Academic, 1963, pp. 271–350.
- [4]. K. Elissa, "Title of paper if known," unpublished.
- [5]. R. Nicole, "Title of paper with only first word capitalized," *J. Name Stand. Abbrev.*, in press.
- [6]. Y. Yorozu, M. Hirano, K. Oka, and Y. Tagawa, "Electron spectroscopy studies on magneto-optical media and plastic substrate interface," *IEEE Transl. J. Magn. Japan*, vol. 2, pp. 740–741, August 1987 [Digests 9th Annual Conf. Magnetics Japan, p. 301, 1982].
- [7]. M. Young, *The Technical Writer's Handbook*. Mill Valley, CA: University Science, 1989.