

IoT based Automated Siren using Solar Power

Dr. B Doddabasavana Goud¹, Chaya Bai P², Nekitha³, Ruhee Tabassum⁴, Bharathi K⁵

Professor, Department of EEE¹

BE Student, Department of EEE^{2,3,4,5}

Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari, Karnataka, India

Abstract: *Now a day's college siren is operated manually. It replaces the manual switching of the siren in the college. The intension of this project is to implement IOT based automatic alarm system takes over the task of ringing the siren at predetermined time. It saves man power, time and ultimately money and also gives highest accuracy. The main components of this system are ESP IOT Cloud Board, RTC, and siren. When this time equals to siren ringing time, then the relay for the siren is switched on. The siren ringing time can be edited at any time, so that it can be used at normal class timings as well as exam times. Required power supply is given through Solar. The main aim of this project is to implement IOT based automatic alarm system using solar power. The main task of this system is to ring the siren at predetermined time with accuracy and without any human intervention.*

Keywords: Solar Power.