How TI Design A Night Vision Camera for A Mobile Surveillance Robot

Gaurav Vinod Chavhan, Yogesh Datta Dahilwade, Piyush Rajendra Pawar, Abhijit Dhanraj Karlekar, Tulsidas Dhamke

Department of Mechanical Engineering

Dr. Rajendra Gode Institute of Technology & Research, Amravati, Maharashtra, India

Abstract*: This Night Vision Spying Robot using IoT and Android application is meant to develop a night vision spying Robot which will be controlled using an Android phone and administered over IOT. The prototype consists of an Arduino Uno Board, microcontroller which is rightward directions. The wireless camera is able to take pictures in real time and process through image processing technique. An application called, "Arduino Bluetooth controller" is installed on the user's android device and the commands are given to the robot to move. WIFI module is used to connect the robot to the internet over cloud to be monitored over internet. Temperature sensor can detect temperature of surroundings. PIR sensors can detect presence of any human being*

Keywords: Arduino Bluetooth controller