ABSTRACT

Video Surveillance has been used in many applications including elderly care and home nursing etc. There are situations in which ordinary video surveillance systems are incapable of preventing intrusion. This happens predominantly in areas close to protected areas that are often prone to animal intrusion. Smart video surveillance systems are capable of enhancing situational awareness across multiple scales of space and time. It describes mobile based remote control and surveillance architecture. Objective of this project is to develop a Smart Surveillance System using Computer Vision, which detects the animal intrusion in estates near protected areas through the CCTV (Closed Circuit Televison) cameras deployed and alerts the admin. The proposed model makes use of some library to capture camera images and detect intrusion using image comparison technique. Once the comparison is done and an intrusion is found, it sends the streamed video from server to remote administrator over android phone. Admin can then take appropriate action and alert local security. Smart Surveillance is the use of automatic video analytics to enhance effectiveness of surveillance systems. The user can view the particular video. This system maintains the security situation at estates and this reduces the incidence of animal intrusion cases and avoid life loss (Both domestic animal and humans).