International Academy of Science, Engineering and Technology
Connecting Researchers; Nurturing Innovations
IASET

AUTOMATIC PUBLIC GARDEN CARING SYSTEM

Pankaj Prajapati[1], Abhishek Shukla[2], Saurabh Shukla[3] & Akhil Yadav[4]

[1]*Associate Professor, Ambalika Institute of Management & Technology, Uttaar Gaon, Uttar Pradesh, India*

[2,3,4]*Research Scholar Ambalika Institute of Management & Technology, Uttaar Gaon, Uttar Pradesh, India*

ABSTRACT

In This research paper we have made an Automatic public Garden Caring System. We have tried to automate public gardens as much as possible. In our system we are controlling four things Lamp Lights, Watering of Plants, Counting number of Visitors into the garden and closing of the gate accordingly. We came up with this idea because we felt that people are wasting the resources which they are given, like Electricity, Water etc. mainly due to carelessness. In our Research paper we are making a Bidirectional Visitor counter using infrared sensor and Arduino, Lamp Light Controller using DS3231 Real Time Clock module, Automatic Water irrigation System for watering the plants. These types of automation are important because it will save our resources and that resource can be utilised in other ways.

KEYWORDS: *Ease of Living, Bidirectional Counter, Arduino Uno, DS3231 Real Time Clock Module, Internet of Things (IOT), Soil Moisture Sensor, Infrared Sensor, Relay, Buzzer, And LDR Sensor*