Abstract

Environment monitoring plays an important role in human life, so the collection of information about changes of environment is very important. In this paper, an Arduino based microcontroller system and many sensors are used to monitor the environment. The parameters of the environment to be monitored are chosen as temperature, humidity, water level and light. The values of these parameters are transmitted to a base station where they are being monitored, so that every person in the range of the system can check it over their smart phones and laptops as these parameters hold importance to everyone. In proposed system, when the parameters reaches a defined threshold value a message will be displayed in the printed circuit boards LCD, and a SMS will be sent to the user’s mobile phone.
2013
3. https://store.open-electronics.org/GSMGPRSSHIeldV2?gclid=Cj0KEQjwn_3GBRDc8rC
up-1x8wBEiQAdw30AVwlZ50JB5o8_La_U7g68-u2i1CBVPl6xpjoGzDi4saAhHX8P8HAQ
5. S. Devika, SK. Khamuruddeen, J. Thota and K. Shaik “Arduino Based Automatic Plant
Watering System” International Journal of Advance Reasearch in Computer Science and
7. P. Susmitha and G. Sowmyabala “Design and implementation of weather Monitoring and
5760cbb3fb177d30cc95c5351c4
10. P. S. Sathish and B. Chellaprabha “MONITORING THE PLANT GROWTH USING
SENSOR NETWORK” ARPN Journal of Engineering and Applied Sciences, vol. 10, No. 7, April
2015.
11. D. Rath “Arduino Based: Smart Light Control System” International Journal of
2013

Index Terms

Computer Science  Communications

Keywords

Arduino Uno, GSM, LCD, Humidity sensor Light Dependent Resistance and water sensor.