AEROQUAL: Air Quality Monitoring System using IoT

Mr. Aneel Narayanapur[1], Mr. Rajabaxi Y Y[2], Mr. Rohit S J[3], Ms. Sabreentaj[4], Mr. Vishnureddy[5]

Assistant Professor[1], Students[2,3,4,5]

Smt Kamala and Shri Venkappa M. Agadi College of Engineering and Technology, Laxmeshwar, India

deeksha15062015@gmail.com, rajabaxiyaklaspur@gmail.com, rohit.jyotibannad@gmail.com,
sabreenakkur23@gmail.com, vishnureddybentur@gmail.com

Abstract: *Humans can be adversely affected by exposure to air pollutants in ambient air. Hence, health-based standards and objectives for some pollutants in the air are set by each country detection and measurement of contents of the atmosphere are becoming increasingly important. Careful planning of measurements is essential. One of the major factors that influence the representativeness of data collected is the location of monitoring stations the planning and setting up of monitoring stations are complex and incurs a huge expenditure. An IoT-based real-time air pollution monitoring system is proposed to monitor the pollution levels of various pollutants. The geographical area is classified as industrial, Residential, and traffic zones this article proposes an IoT system that could be deployed at any location and store the measured values in a cloud database, perform pollution analysis, and display the pollution level at any given location.*

Keywords: College Assistance

REFERENCES

[1]. S. Kumar and A. Jasuja. Air quality monitoring system based on internet of things using raspberry pi. Pages 1341- 1346, May 2017.

[2]. S.R. Enigella and H. Shahnasser. Real- time air quality monitoring. Pages 182- 185, Jan 2018.

[3]. D. Wang, C. Jiang, and Y. Dan. Design of air quality monitoring system based on the internet of things. Pages 418-423, Dec 2016.

[4]. L. Peng, F. Danni, J. Shengqian, and W. Mingjie. A movable indoor air quality monitoring system. Pages 126- 129, July 2017.

[5]. Sumanth Reddy Enigella, Hamid Shahnasser. "Real-Time Air Quality Monitoring", 2018 10th International Conference on Knowledge and Smart Technology (KST), 2018.

[6]. Zishan Khan, Abbas Ali, Moin Moghal, IoT based Air Pollution using NodeMCU.