Environmental monitoring using Wireless sensor networks: A case study of Dal Lake

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Abstract:

WSN hold lot of promise in developing environmental monitoring applications. The environmental monitoring includes broad areas like air quality, forest fire, avalanche , water quality, natural disasters etc.The sensed data acquired about various environmental parameters can be further analyzed for taking appropriate measures. In this paper a case study of monitoring various water quality parameters for Dal lake has been discussed. The design is based upon MDA300 data acquisition card, Micaz motes and TinyOS operating system. The analysis/Visualizing application has been developed in MATLAB for online/offline Sensor data analysis