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Survey Paper on StatNOW: Availability Status Displayer

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Abstract: *We are experiencing a new era of Internet of things (IoT), where many electronic devices surrounding us are interconnected by a network. The emerging of IoT also sheds new light on the concept of "Status Notifier". NodeMCU is an open source Lua based firmware and development board specially targeted for IoT based applications. It includes firmware that runs on ESP8266 Wi-Fi from the hardware which is based on the ESP module. This proposed design uses web application platform for collecting and visualizing data and updating it on LCD display. The retrieval of data from apache server is conducted using NodeMCU and ESP8266 microcontroller board. With this smart project we can also monitor the humidity and temperature of a particular office room. However to the best of our knowledge literature lacks research focusing on digitization of communication in public departments introduced in IoT through interactions among different devices supporting a smart architecture. To do so, we make a Status Notifier IoT architecture that enables user to get updates regarding availability from authority figures..*

Keywords: Node MCU ESP82 66, Internet of Things (IoT), Status Notifier

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