ABSTRACT

The Internet of Things (IoT) conceptualizes the idea of remotely

connecting and monitoring real world objects (things) through

the Internet. When it comes to our house. this concept can be

apply incorporated to make it smarter , safer and automated.

Automation is the technology by which a process is performed

with minimum human efforts. Automation or automatic control is

the use of discrete control systems for operating equipment.

This project presents the complete design of an IoT based sensing

and monitoring system with voice for smart home.The selected

platform is very flexible and user-friendly. The sensing of

different variables inside the house is conducted using the

NodeMCU-ESP8266 microcontroller board, which allows

Realtime data sensing, processing and uploading/downloading

to/from the BYLNK cloud server.