

# *LTE based two way communication system for smart grid*

## Abstract

Communication infrastructure is essential part to the success of emerging smart grid, in this project we discuss using a high data rate and low latency technology (LTE) to develop two way communication system between end users and their electric power operated devices and grid administrator so as to utilize power usage at peak hours through list of priorities given to all devices in every home network also through advices from grid admin. To users about better use of power.

### **Required Skills:**

1. Digital communication
2. Embedded systems
3. IoT
4. Raspberry Pi