LORA BASED AGRO MONITORING ROVER USING EDGE COMPUTING

Batch Number : 8   **Review :** Zeroth review
Team Members   **Guide Name**

A. Abu Fiyaz (922119106002)   Mr.Jay Fantin.V.P, AP/ECE

S.Akilesh (922119106004)

M.Gokul Vinayagam (922119106029)

P.Hariharan (922119106030)

PROJECT DOMAIN: EMBEDDED-IOT

ABSTRACT

LoRa refers to the RF modulation under the low-power wide area networks that offers the potential of smart solution under various environment conditions using the long-range communication capability. The LoRa transceiver is used to allow bi-directional communications between multiple nodes without using the internet. LoRa transceiver, LoRa(slave) which is used to collect the data from the sensors and transmit the received signal to the LoRa(master), as per the received data actuators are controlled automatically by microcontroller. All such functions are carried out by dynamic rovers. These rovers are placed into the field and locate themselves using GPS. The functions carried out are manipulated by edge computing technology.

Project Guide   **Class Incharge**   **Project Coordinator**   **HOD**