# Assignment on:

IoT(Internet of Things) Wireless & Cloud Computing Emerging Technologies.

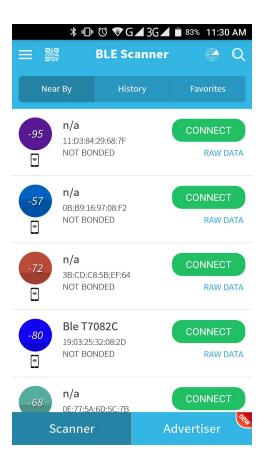
#### **Topics covered:**

- Analyze Bluetooth devices and connection using BLE Scanner.
- Analyze WiFi devices and connection using Net Analyzer.
- Using Amazon EC2 cloud services for cloud computing.

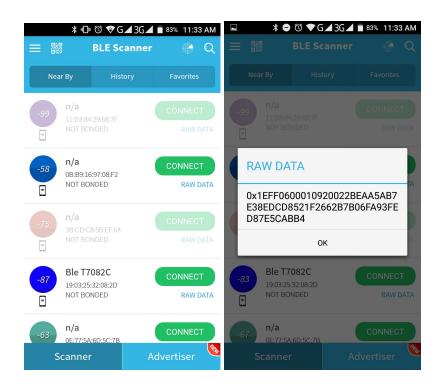
#### **♦** Analyze Bluetooth:

We can analyze the nearby bluetooth devices and their connection level using BLE Scanner that are described below:

Nearby bluetooth devices monitoring



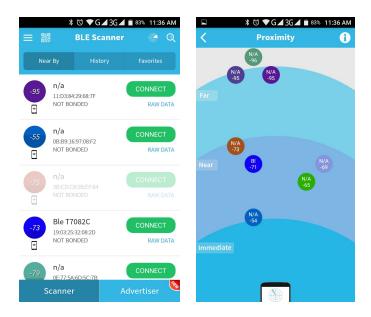
Raw data of bluetooth devices.



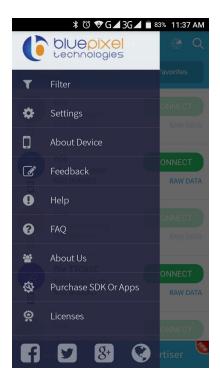
• History of Bluetooth devices availability with time and date.



• Bluetooth devices proximity connection that are Immediate, near and far bluetooth devices.



We can filtering our nearby bluetooth devices.



## **♦** Analyze WiFi using Net Analyzer.

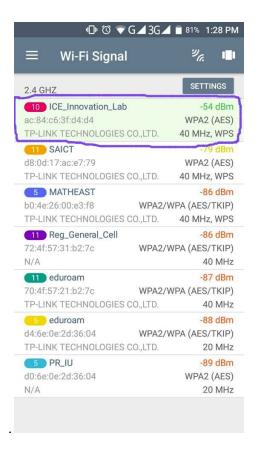
Monitoring Devices using Net analyzer.



Gateway address.



#### • Data rate in wifi Bandwidth measurment



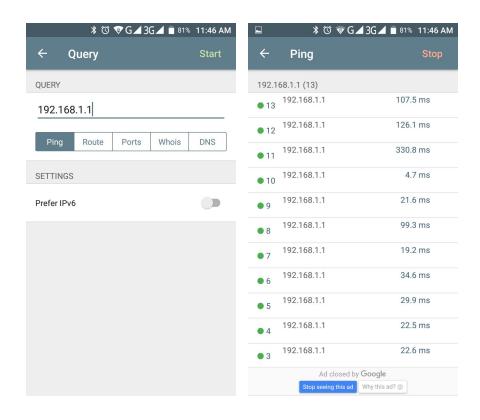
### • Data passing channel.



Lan scan using Net Analyzer.



• Query checking using Net Analyzer.

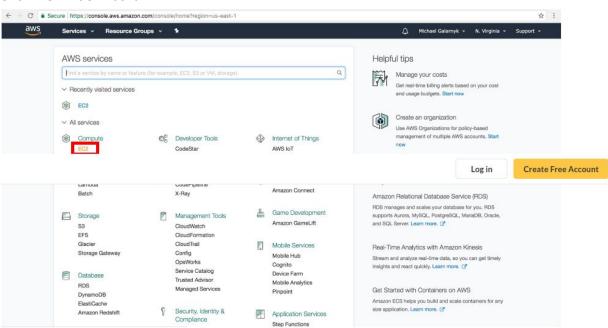


### **♦** Setup amazon EC2 cloud service for cloud computing.

Create an AWS Account and Sign into AWS



Click EC2 DashBoard.



#### Create and Instance.

