1. **Encryption and Decryption for LORA messages**

As he said (AES algorithm based encryption and decryption) function blocks he will be delivered and that will be merged into our firmware and test.

1. **SQL, JAVA & GPRS**
   1. **My SQL DB** - sqlite database will be converted into MySql db for protection.
   2. **Mac Loading (Verification),** - Rpi MAC ID will be compared and verified each time when application launches.
   3. **Jar file reformation,** - JAR files will be reformed into encryption format in order to protect to read jar files.
   4. Logger (every time ON, Shutdown, Mal Practice) - with Hospital Name & Ward number(User-defined Name) - Comm. with inbuild GPRS
2. **Modem java application debugging via remote from anywhere**

using Team viewer, how to debug our java application once deployed in hospital.

1. **Remote access control - Team viewer**

Same above.

1. **Search, Filter option (Logger) in Java application**

Search and filter option in logger to select and filter desired datas.

1. **Nurse attendance system through the fingerprint sensor**

Complete attendance based system (login and log out of nurse) to include.

1. **Nurse Ack system to include through the fingerprint sensor**

Once nurse call triggered, nurse who addressed the call to be selected through drop down list in nurse ta and data gets stored.

1. **Registration of Nurse, show the nurse Name in the Bed Number during Call & show in the logger, which nurse has addressed the room.**

Once nurse logged in during their shift time, their intial and first letter will be displayed in drop down list in the nurse call tab of each tabs.

1. **Report generation for Nurse call and Nurse attendance and for Departement.**

All calls details will be collected in logger and generate a report and showed in logger as analytical data.

1. **GSM module to interface with Rpi to trigger SMS.**

Interface GSM module with Rpi and trigger concerned SMS messages to concerned mobile numbers.

1. **Fringer Print Interfacing.**

Fringer print to interface with Rpi ,collect data, process and store.

1. **Integrated & Testing.**

Intergate their firmware into our and get tested finally.