**Idea –**

**SmartHealthcareAssistant : An IoT-Based Smart Health Monitoring System including MQTT Broker,SparkPlugB,Raspberry Pi**

**Problem statement:**  
Patient's health indexes currently monitored physically via attending them by phsysician after they become sick.   
Continous manual monitoring required in hospitals. High man power required and skills required.

**Solution:**  
Daily health monitoring and reporting to family members can help to understand health indexes and continuous health parameters to obtain detailed diagnoses.  
So with the help of IoT based Countinous Health Monitoring System, we can identify patient diseases like hypertension, diabetes, heart disease, cancer, and cerebrovascular disease etc. in early stages. In somecases we can avoid it.  
It can help to Hospital Information Support System(HIS)for monitoring of patients located in remote nonclinical environments such as homes, military bases, ships etc.  
It can also help for monitoring of COVID-19 Patients where no contact required.  
A remote monitoring mechanism will provide live on the spot reports to doctors and patient's family members.  
Smart healthcare should be easily accessible and shared in community health facilities and care centers.  
IoT architecture of healthcare monitoring systems (HMSs) can address the connectedness of medical information systems (MISs)   
while ensuring the safety and confidentiality of patient information.

**MQTT based SmartHealthcareAssistant source code ,Demo :**









