What we will do :-
1. Battery Health Management
   1.1 SoC Monitoring – Calculating State of Charge of Battery.
   1.2 SoH Monitoring :- Calculating State of Health of Battery.
   1.3 Tempreature and other parameters monitoring.
   1.4 Controlling current to gradually increase for battery safety.
2. IoT :-
   2.1 Creating IoT Dashboard to show all the parameters
       2.1.1 Parameters to show:-
           2.1.1.1 Battery Percentage
           2.1.1.2 Battery Health
           2.1.1.3 Charging Time
           2.1.1.4 Battery Tempreature
           2.1.1.5 Speed of vehicle
           2.1.1.6 Distance Travelled by vehicle
3. Communication Protocols to be used:-
   3.1 CAN :- for battery to uC.
   3.2 Bluetooth :- for speed sensor to uC.
   3.3 UART:- from uC to gateway.
   3.4 WiFi :- from gateway to cloud.(using http/mqttt)
   3.5 GSM(if needed)
4. RTOS ?

What we will not do:-
1. Tyre Pressure Monitoring.
2. Motor parameters monitoring
3. GPS(for time being)

Questions:-
1. Which cloud platform to use,
   1.1 AWS
   1.2 ThingSpeak
   1.3 Blynk
2. Which sensor models to be used.
3. Should we implement RTOS or not.
   3.1 If yes , then how
4. Weather we should use local on board display?
5. How to make it modular rather than specific.