CS664: IoT System Design (Summer/2018)

Home Assignment # 1

1. Make a list of Indian companies which offer IoT solutions for agriculture and farming. Highlight those which are have links to IIT Kanpur (Founded/ governed by faculty / alumni / incubation centre of IIT Kanpur).

2. Make a list of Indian companies which offer IoT solutions for healthcare. Highlight those which are linked to IIT Kanpur.

3.
    I. Make an exhaustive list of everything inside, just outside (immediate surroundings) and on the auto body which must be "observed" for safe and comfortable driving.
    II. What is Insurance Telematics?
    III. Name only one company, other than automakers, which makes IoT solutions for automobile. How does their solution differ from the inbuilt solution in automobile? Who is their customer – Automakers or End users?

4. What is required to make a car autonomous? Read Wikipedia entry on Autonomous Car.

5. Pick one IoT startup incubated in SIDBI Innovation & Incubation Center of IIT Kanpur. Describe (i) The problem they are addressing and (ii) Their solution.

6. How is Yulu Bike making use of IoT technologies for delivering great experience to their users?