**Bonus Track**

1. (0.5 point) Any ideas about IoT. It can be about home IoT, industry IoT, wearable IoT, city IoT, etc. If your team’s idea is selected as new lab(s) idea for next semester, your team can get extra bonus (extra 1 point).

**Home IoT:**

Heat your home efficiently:

The IoT device can use thermostats, real-time weather forecasts, and the actual activity in your home during the day to reduce your monthly energy usage, keeping you more comfortable, and offering to save you money on your utility bills.

**Wearable IoT:**

Track your activity Levels:

We can use our smartphone's range of sensors (Accelerometer, Gyro, Video, Proximity, Compass, GPS, etc) and connectivity options (Cell, WiFi, Bluetooth, NFC, etc) to track our activity levels and make suggestions on exercise plans.

Monitoring an aging family member:

Using a wearable alarm button and other discrete wireless sensors placed around the home, we can track an aging family member’s daily routine and give you peace of mind for their safety by alerting you to any serious disruptions detected in their normal schedule.

**City IoT:**

Light streets more effectively:

In a city, we can use a smart lighting system to intelligently provide the right level of lighting needed by time of day, season, and weather conditions.