Task list

1. Develop WIFI Hotspot & Repeater Mode based on OpenWRT
    a. Cross-compile & customize WIFI marketing software package.
    b. Configure OpenWRT router runs on repeater mode.
    c. Testing WIFI range & signal strength
2. Develop Machine Sensor Network
    a. Bring-up hardware
    b. Investigate Contiki and research Mesh network
    c. Create proprietary protocol to connect all machines in an area.
3. Develop SDI-12 interface software stack (Linux platform)
    a. Implement host interface on Linux platform
    b. Implement basic service to control all sensor nodes in a system
4. SDI-12 temperature/humidity node
    a. Bring-up hardware
    b. Implement basic driver to get data from Temp/Hud specific IC
    c. Implement SDI-12 interface

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Estimate budget & Timeline

- Estimate time
  Expect all items will be done within **3 months** (15/11/2017 -> 14/2/2018)
- Project budget
  1500$

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Team members:

Name	Company
Tuấn	BOSCH
Phước	BOSCH
Hiếu	GCS