**Smart Walking Cane**

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* Project description:  
  - A smart walking cane that records heart rate and detects identity and movements of the user.
* Wireless Protocol: Wi-Fi
* Architecture: 2 (Sensor-Cloud)
* Cloud service provider: Microsoft Azure
* Required Components:

|  |  |
| --- | --- |
| Detection | Component (Quantity) |
| Heart Rate | SparkFun Particle Sensor Breakout (1) |
| Movement | SparkFun 9DoF Sensor Stick (1) |
| User’s Identity | Fingerprint Scanner (1) |