Essential features for our smart watch

1. Heartbeat Sensor

- If possible, Heartbeat for time interval

- Can we use GSR (Galvanic skin response sensors)?

2. Accelerometer

- Almost all smartwatch includes this feature.

3. GPS

4. Time

- Almost all smartwatch includes this feature

5. Microphone

6. Wifi feature – for easy development

All based on the latest model

1. Applewatch

* I found many of you reported apple watch. I agree that Apple watch is one of the best smartwatches which contains essential sensors.
* However, Applewatch need Xcode for development. So we need macOS for development
* I found development documentation for watch os in developer.apple.com (which includes URLrequest for data upload and raw sensor data access)
* Applewatch also includes PPG sensor.

1. Galaxy gear

* Galaxy gear also includes essential features which we need.
* And I found tizen documentation is as good as AppleWatch documentation.
* Tizen app can be developed in windows.

1. Microsoft band

* I found that MS band SDK is not available anymore. :(
* This means, we can’t use GSR sensor.

In conclusion, I think we should go Applewatch or Galaxy gear. Because it includes essential parts which we need and well documented.