

Lab – Imagine a new intelligent sensor

Objectives

Imagine devices that are currently inanimate objects that could be useful if sensors were added to them.

Background / Scenario

Many devices have sensors in them that affect the operation of processes or generate data to assist governments and businesses. Use your imagination to think of devices that could be made more useful if they contained intelligent sensors.

Required Resources

- none

Step 1: Think about your day in your home, school, or office. Are there any objects that you think could provide useful information to you or to others if they were equipped with sensors? As an example, if the toilet roll holder in your home had sensors to detect weight, it could turn red and beep when it needed a new roll.

- a) Describe the object that you selected.

_____ The selected item is SBS Re Band (Step Reminder Band)
Main unit size is 4.1 cm Battery capacity is 80mh and it is lithium polymer battery. Finally the display screen is 0.96 HD IPS color screen ETE process single point touch button. _____

- b) What kind of data would sensors in this object gather?

1. Level sensors

2. IR sensors _____

- c) How could the gathered data be useful and to whom would it be useful?

This SBS re band step calculation without any wireless connection with your mobile when you go to your office or back home, the reminder will be through vibration, because nowadays we all ignore the reminder sound, so we prepare the vibration to work for 20 seconds for 100 steps. Set reminders of important things they bring to the office and back home. It always comes in handy for those who forget their wallet.name tag, important files, laptops and more, and easily brings back all the things we always use in both places. _____
