

PR2 Introduction to Python on the Raspbian Environment

Objectives

- Understand how the GrovePi+ board works
- Compare Python's flexibility to adapt new libraries and fast software-prototype to other previously used languages
- Rapid project prototyping using plug & play sensors

Activity

Answer the following questions:

1. What is GrovePi+?
2. How does the Raspberry Pi communicate with the GrovePi+?
3. What microcontroller does the GrovePi+ use?
4. What type of ports does the GrovePi+ has?
5. Which GrovePi+ sockets support PWM?
6. In what languages can you program the GrovePi+?
7. Read the Python library's documentation for the GrovePi+ and then describe the type of functions that it has.
8. List and describe at least 5 Grove Sensors that you like. Explain how each sensor communicates with the GrovePi+.