

Lab 2 BITS 3533 Wireless Network and Mobile Computing Sem 1 2021/2022 (Group)

Learning Outcome

At the end of this lab session, students are able to

- Assemble Raspberry Pi as a minicomputer
- Identify modules installed in the Raspberry Pi and its capability as a wireless IoT device.

Introduction to Raspberry Pi

The Raspberry Pi is a very cheap computer that runs Linux, but it also provides a set of GPIO (general purpose input/output) pins, allowing you to control electronic components for physical computing and explore the Internet of Things (IoT).

Task

1. Survey about the Raspberry Pi versions and their differences. Create a comparison table
2. Assemble Raspberry Pi as a minicomputer.
3. Write a comprehensive report about the modules installed in the Raspberry Pi.
4. Discuss how Raspberry Pi can be categorized as an IoT device

Submission

Submit the report by 11:59pm, date: lab date.