|  | |
| --- | --- |
| **CSC/CSE 299: Hardware Projects for the Raspberry Pi** | **Instructor: Umer Huzaifa, PhD** |

# Lab 1: Report

This is an individual submission (both members should submit individually). After completing the report, save as a PDF and upload the PDF to D2L (Submissions).

| Your Name: | Click or tap here to enter text. |
| --- | --- |
| Partner’s Name: | Click or tap here to enter text. |
| Group No: | Click or tap here to enter text. |

# Set up and configure your Raspberry Pi

1. Why do we need to plug in a monitor, mouse, and keyboard to the Raspberry Pi?

| Click or tap here to enter text. |
| --- |

1. Identify the challenges you faced during the Raspbian installation process.

| Click or tap here to enter text. |
| --- |

1. Why does the Raspberry Pi manufacturer recommend clients to use 32-bit version over 64-bit version?

| Click or tap here to enter text. |
| --- |

# Connect the Pi to a WIFI network

1. Why did we edit the wpa\_supplicant.conf configuration file to be able to connect to WIFI?

| Click or tap here to enter text. |
| --- |

1. Can we use any other editor instead of nano editor to edit and save the configuration files? Briefly explain.

| Click or tap here to enter text. |
| --- |

# Securing your Pi

1. What is a root account and why do we create additional user accounts if we can log in as root?

| Click or tap here to enter text. |
| --- |

1. Briefly explain the reason behind SSH access restriction?

| Click or tap here to enter text. |
| --- |

# Configure your raspberry pi

1. Why do we uncheck auto login?

| Click or tap here to enter text. |
| --- |

1. Identify four (4) hardware/software interfaces that you enabled.

| Click or tap here to enter text. |
| --- |

# Enable remote connections

1. Why do we need to enable remote access? Discuss.

| Click or tap here to enter text. |
| --- |

# Connect to your Raspberry Pi via SSH

1. What is SSH?

| Click or tap here to enter text. |
| --- |

# Enable remote desktop

1. Why do we need remote desktop access?

| Click or tap here to enter text. |
| --- |

1. Include the following figures

|  |  |
| --- | --- |
| Image showing SSH access [Laptop]  1a | Image showing remote desktop access |