A quick guide to installing LabVIEW
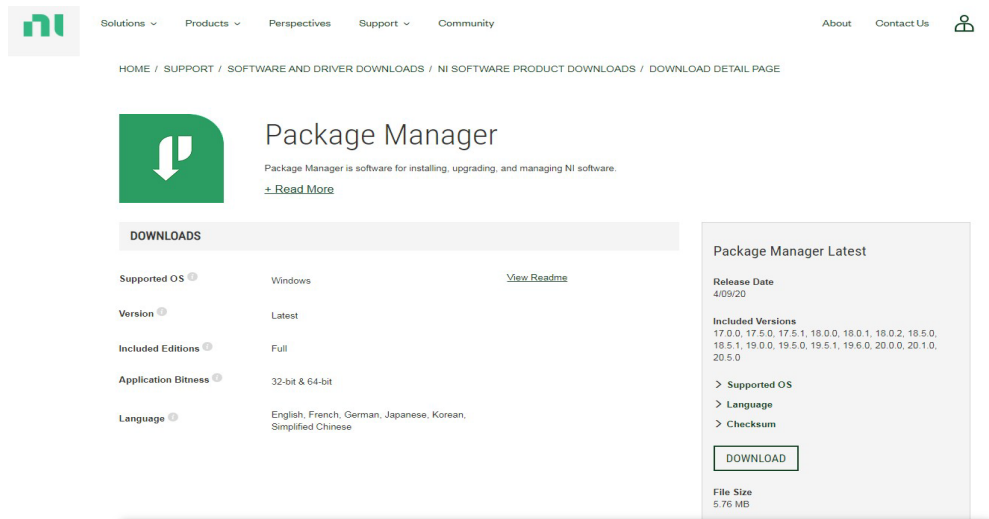
PLEASE READ THE FOLLOWING BEFORE YOU START:

1: You need to have a valid NI account before proceeding with the steps below. For details on how to create an NI account, please see the Appendix at the end of this guide.

2: The screenshots in this document were taken a few years ago. Please DO NOT download any installation file with the versions shown in the pictures. Simply follow the instructions in the text. The pictures are for illustration purposes only.
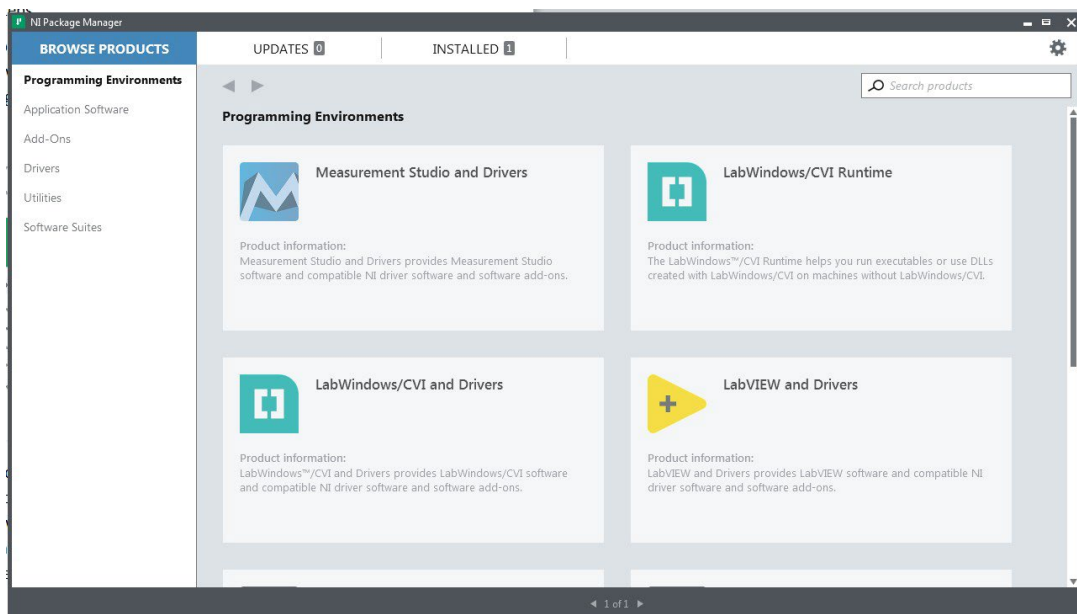
3: The installation steps described in this document only work for Windows OS. Installing LabVIEW on macOS is unnecessary, as the required drivers and toolboxes are not available for Mac. However, one possible way to install LabVIEW on macOS is to use VirtualBox (https://www.virtualbox.org/) to create a Windows virtual machine and install LabVIEW in that virtual environment.
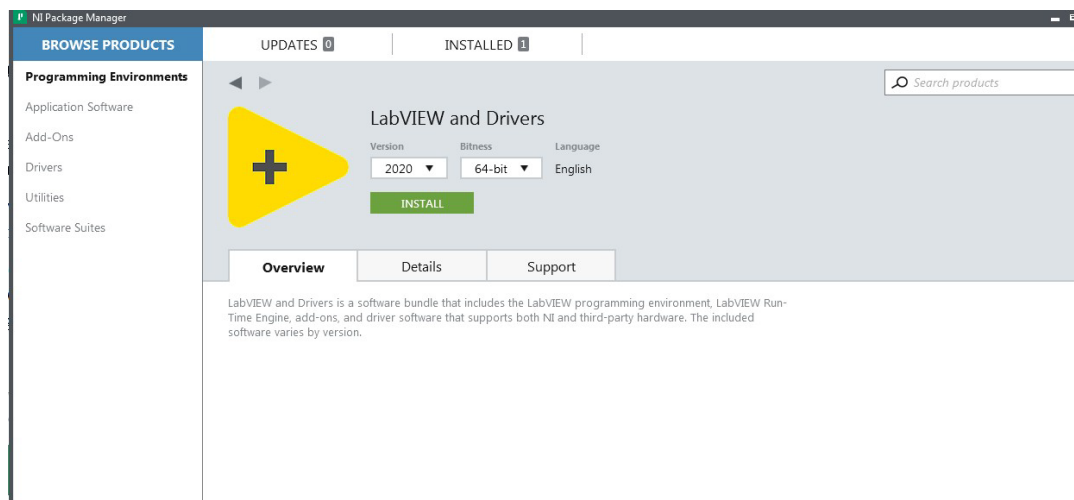
Steps to installing LabVIEW:

1) Open a web browser and search "download NI package manager". Click the link that begins with "https://www.ni.com". It should direct you to the below screen.
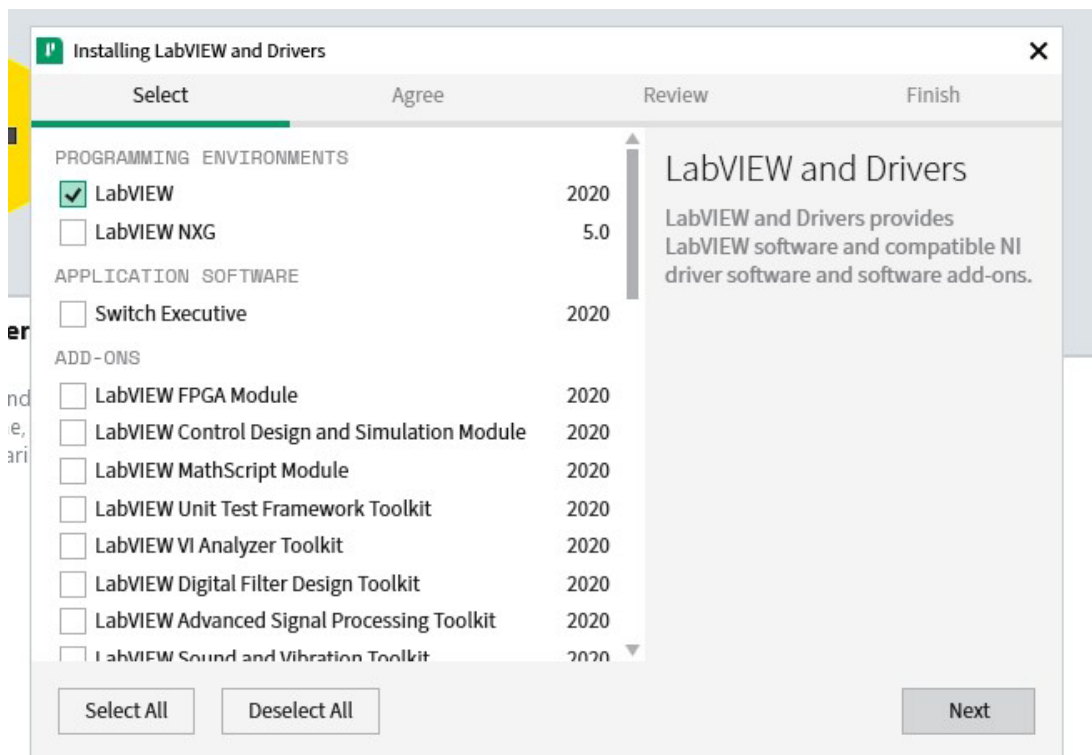
2) Click the DOWNLOAD button to download the NI Package Manager. Here, you need to log in with your NI account to complete the download. Install the NI package manager after the download is completed.

3) Once the installation of the package manager is completed, click the button "Launch", you should see the following screen.

4) Find and click on the option "LabVIEW and Drivers". The screen will switch to the installation page.

Select LabVIEW 2022 from the drop-down list under the "Version". Click "Install" and the following window will show up.

Click the "Deselect All" button at the bottom, then check **ONLY** the first box before "LabVIEW".

5) Click "Next" to get to the next screen:

Click "Deselect All" and then "Next".

6) Accept all the license agreements:

Click "Next" until the installation starts.

7) Once the installation is complete, the system will ask for a reboot, please choose "**reboot later**".

8) Locate the "search products" box on the top right corner of the page and type in "NI-USRP". There is only one product that appears in the search results. Please install it and make sure the version is 22.0 (use the latest version with a Q# at the back). The version of NI-USRP needs to match the version of LabVIEW.

9) Once the installation of NI-USRP is completed, choose "**reboot later**" again if the system asks you to restart your machine.

10) Lastly, in the "search products" field, search "LabVIEW modulation toolkit". There should be only one product showing up. Please proceed and install the toolkit. Make sure the version is 22.0.
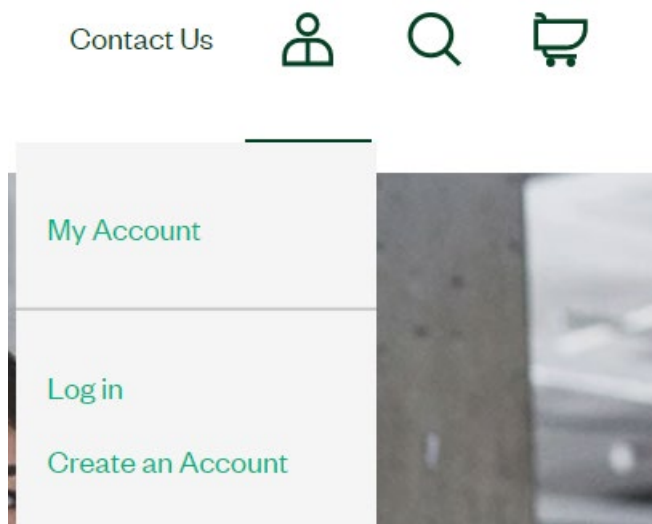
11) Reboot the machine to complete the installation.

Once the machine is restarted, you should be able to run all the lab files as well as write your own LabVIEW codes for TELE4651 labs.

#NOTE: The first time you run LabVIEW on a machine, it will ask you to activate the software. Choose the option "**Enter a serial number**". The serial number can be found on the UNSW IT page under LabVIEW:
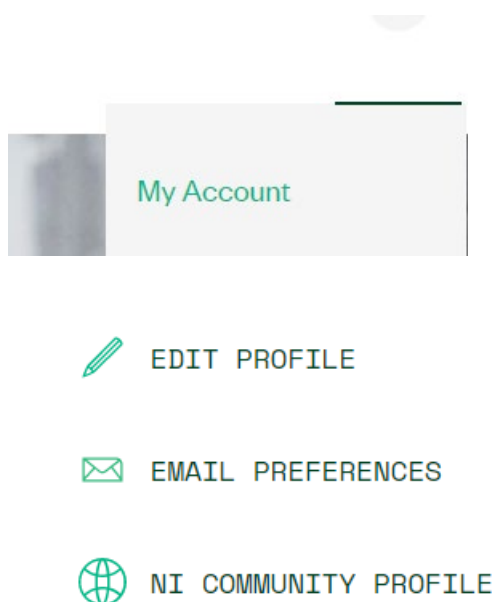
https://www.myit.unsw.edu.au/software-students

Appendix: How to create an NI account

1) Go to www.ni.com.

2) Click "Create an Account" at the top right corner as shown in the picture below.

3) Please enter your details and make sure you use the university email zID@student.unsw.edu.au as the Email address.

4) Verify your account in your email box and log on to the account for the first time.

5) Go to "My Account" and click "Edit profile"

6) Enter the company info shown in the below picture. The phone number can be your mobile number.

Company Information

Company	UNSW
Address	UNSW Sydney NSW 2052
City	SYDNEY
Province	New South Wales
Postal Code	2052
Department	School of electrical engineering and telec

Phone Number

Country Code	Area Code	Phone Number	Ext (Op
	61	4xxxxxxxx	