Ubuntu Installation

- Download Ubuntu **20.04** (Focal Fossa) ISO file from the second link. If that does not work, search online for any ISO file of the same version.
- Follow the instructions given in Link 1.
- **DO NOT install any other version**. This is important.
- Go through all the installation steps before starting the process.
- A 12GB pendrive is recommended in the document, but 4GB will work too.
- If you have two disks on your device, we recommend allotting one to Ubuntu if possible
- **Backup important data** before starting the process
- For manual partitioning, if you get confused, look up videos on YouTube, and/or consult people who have already finished the dual booting process
- We recommend giving at least 100GB in the Ubuntu disk partition. **60GB is a minimum** requirement
- Make sure to follow all the steps carefully and in the right order. Dual booting if done systematically is easy. Do not stray from the instructions unless completely necessary. Always feel free to ask for help.

Link1:
https://ubuntu.com/tutorials/install-ubuntu-desktop#1-overview

Link2:
https://releases.ubuntu.com/20.04.6/?_gl=1*g05h0g*_gcl_au*MTU4NTkyNDQwNy4xNzE0NTU3NzA3&_ga=2.161085818.671769527.1714557717-1092948307.1714557717
(ISO File)

Once you are done installing Ubuntu, have a look at this link to familiarize yourself with Ubuntu (and Linux environments in general). You do not need to learn these commands, and always Google if you forget something. After this, you can begin with the ROS installation.

ROS Noetic

Follow the installation guide. In case of any errors, copy paste a portion of the error and look it up on websites like stackoverflow (these will come in pretty handy). In general, search online for resolving errors.

DO NOT install the wrong version of ROS, or at any point refer to any article intended for ROS2. We will be using only ROS Noetic in the tasks, as well as future work at KRSSG.