System installation method Ros

So that can install the package for the arm

And in order to install the Ros system, need to go through several things:

Step one: program Virtualbox is downloaded
And through this program, can run a fake operating system on it
method download the program, enter this link
https://www.virtualbox.org/wiki/Downloads
Then choose the version of Windows and start downloading and installing it like any program

Step two: install Ubuntu 16.04 on virtualbox

And in order to install the Ubuntu program, enter this link
https://releases.ubuntu.com/16.04/

Then we will download the 64.bit version
An iso file will be downloaded, we will stop and move on to the next step

Step three: we will enter the interface Virtualbox

We click on New to make a new device
We leave the settings the same, only the memory space, we raise it as much as possible
After we created a new device
We click on START, after we click on it, the new virtual machine will start working

Then we choose the drive that we downloaded for Ubuntu, then press START and the process of installing Ubuntu begins

1- We will click on Install Ubuntu
2- The settings will remain the same, only the region is changed
3- We have reached the most important point, we choose a username and password in order to use the system
4-Ubuntu has been installed

Step four : After we install the Ubuntu system, we install the Rose system
By entering this site
https://s-m.com.sa/ros.txt
And we will find all the commands we need to install the ros

1-We enter the terminal program, which is the command interface
2-We start by copying one command after another and pasting it into the terminal
Sometimes it will ask we to enter the password
3-After completing all the commands, a program will be running rviz on Ros
4-through joint state publisher
We can control the movement of the arm