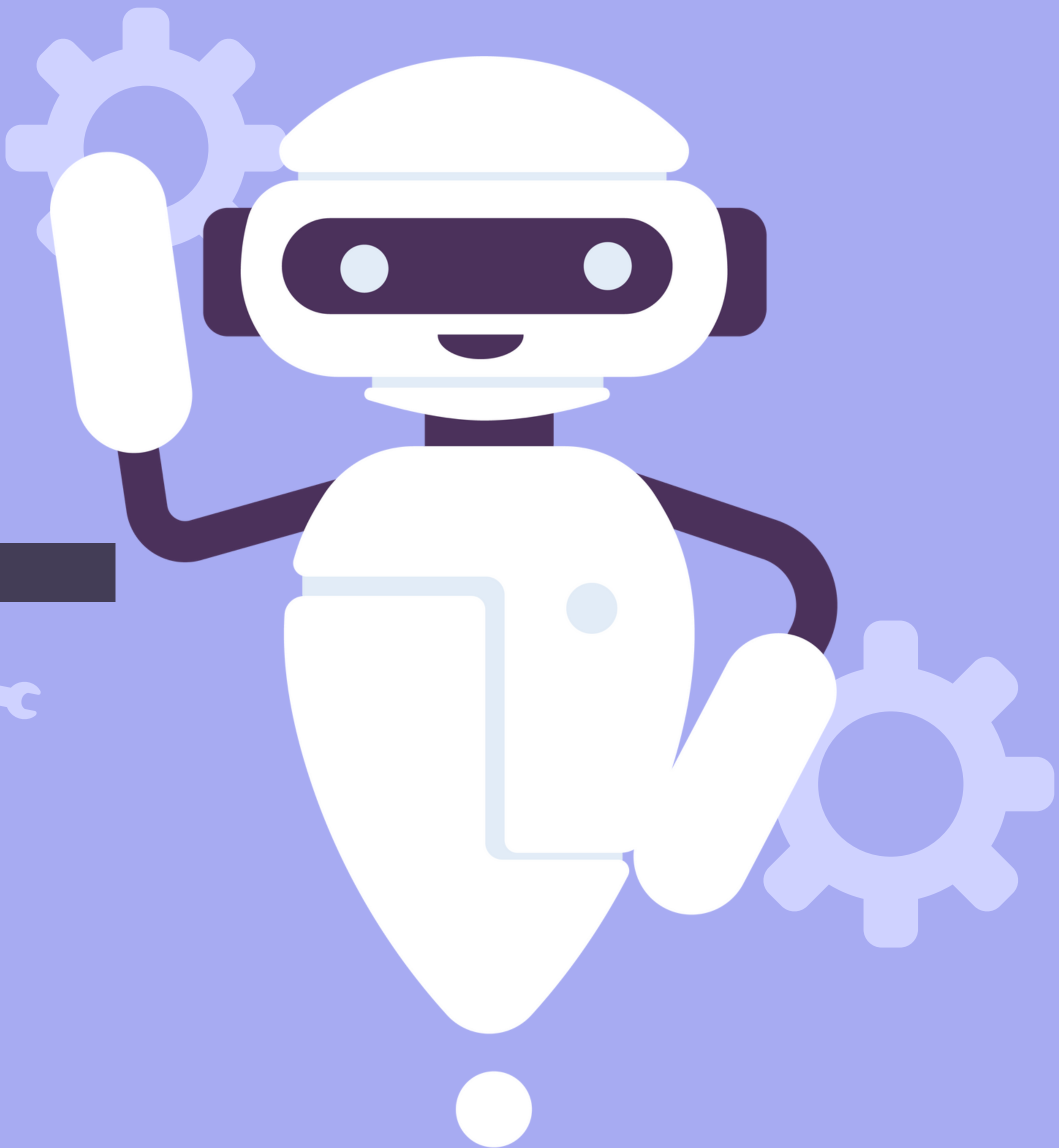


DONLOAD ROS



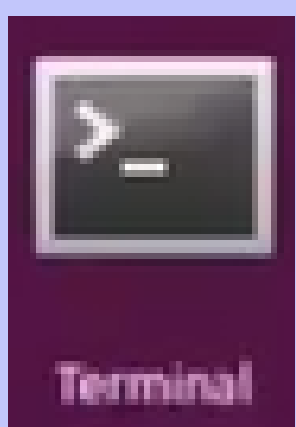
29-7 - 2022 / REHAB RAMADA
Smart Methods

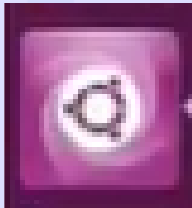
تثبيت نظام تشغيل ROS

تثبيت على المحاكى - تثبيت على jets on Nano

بعد الأكمال من تنصيب Ubnutu
فتح FireFox web

رابط اوامر تثبيت ros
من الرابط (<https://s-m.com.sa/ros.txt>)



والضغط على  ثم البحث عن

ونقوم بنسخ الأوامر من (<https://m.com.sa/ros.txt>) ثم لصقها في نافذة Terminal ونستمر في نسخ الأوامر ولقصها

`sudo nano ~/.bashrc`
ثم كتابة الباسوارت

الخطوة الأخير إضافة سطر
(`source`
`/home/wesam/catkin_ws/devel/setup.bash`
الانتقال الى نهاية)
ويجب تغير الاسم الملون بالأحمر بسم نظام
Ubuntu

```
rehab@rehab-VirtualBox: ~
GNU nano 2.5.3 File: /home/rehab/.bashrc

if [ -f ~/.bash_aliases ]; then
. ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
if [ -f /usr/share/bash-completion/bash_completion ]; then
. /usr/share/bash-completion/bash_completion
elif [ -f /etc/bash_completion ]; then
. /etc/bash_completion
fi
fi
source /opt/ros/kinetic/setup.bash
source /home/rehab/catkin_ws/devel/setup.bash

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

ctrl + O - enter - ctrl + X

يقوم بتحديث الملف `source ~/.bashrc`

`roslaunch robot_arm_pkg`

`check_motors.launch`

للبدء في تثبيت الروز

```
/home/rehab/catkin_ws/src/arduino_robot_arm/robot_arm_pkg/launch/check_motors.lau
NODES
/
  joint_state_publisher_gui (joint_state_publisher_gui/joint_state_publisher_g
  ui)
  robot_state_publisher (robot_state_publisher/robot_state_publisher)
  rviz (rviz/rviz)

auto-starting new master
process[master]: started with pid [6306]
ROS_MASTER_URI=http://localhost:11311

setting /run_id to 7426e4ae-05c4-11ed-8d75-080027b19aec
process[rosout-1]: started with pid [6319]
started core service [/rosout]
process[robot_state_publisher-2]: started with pid [6322]
process[rviz-3]: started with pid [6323]
process[joint_state_publisher_gui-4]: started with pid [6338]
[INFO] [1658057701.930323]: Centering
[rviz-3] process has died [pid 6323, exit code -11, cmd /opt/ros/kinetic/lib/rvi
z/rviz -d /home/rehab/catkin_ws/src/arduino_robot_arm/robot_arm_pkg/launch/confi
g.rviz __name:=rviz __log:=/home/rehab/.ros/log/7426e4ae-05c4-11ed-8d75-080027b1
9aec/rviz-3.log].
log file: /home/rehab/.ros/log/7426e4ae-05c4-11ed-8d75-080027b19aec/rviz-3*.log
```

وجهتني مشكلة في التثبيت والحل بسيط
قمة بأعاده تشغيل الجهاز واغلاق البرامج
وبعد تشغيله من جديد كان كل شيء تحت
السيطرة