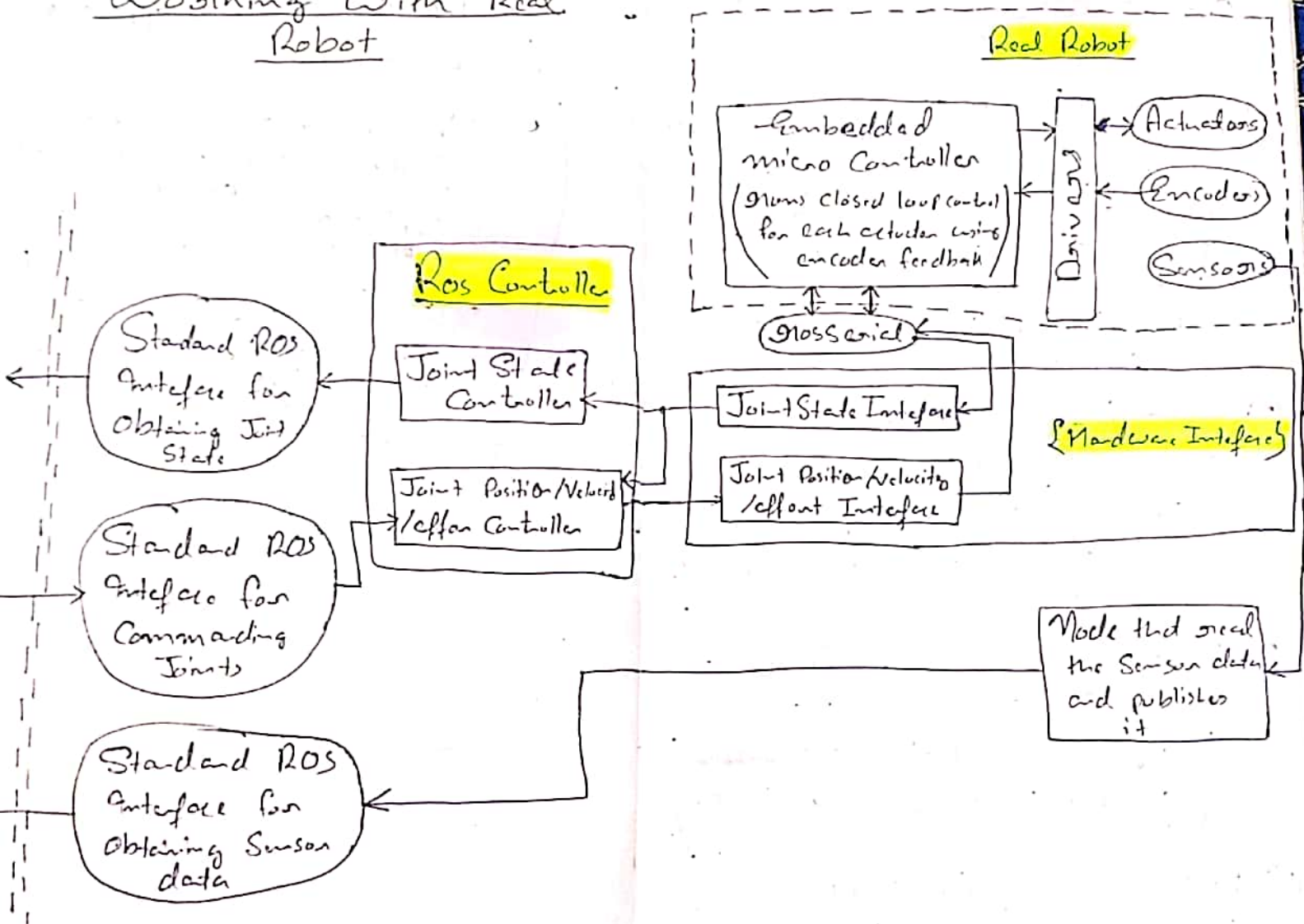


## Working with Real Robot



## \* Workflow for Working with Real Robot 6

- ① Write the firmware for embedded microcontroller to run close loop control of all the actuator, interface all the basic sensors (i.e. IMU) and perform Serial Communication ~~tasks~~ with the microprocessor using standard protocol established by rosserial.
- ② Write the hardware interface for the robot.  
(Try to select standard hardware interface available whenever possible to save time.)
- ③ Write ROS Controllers for controlling each joints.  
(Try to use standard ros controller available whenever possible to save time.)
- ④ Build a Simplified URDF model of your robot which will be then used by robot state publisher to publish tf data.

⑤ Write Application Software for Controlling your robot as a whole

⑥ Build UI application for your Robot.

