**choosing suitable motor driver**

some of the options available:

1- using H-bridge IC

2-making H-bridge by discrete components

2-mechanical relay

advantages of (1) (2) :

-static components

-easy to setup without any additional board

-control two bidirectional motors with one H-bridge IC

-control one bidirectional motor with one H-bridge discrete circuit

disadvantages of (1):

-limited continuous current drawn (around 1 A in the locally available ICs)

disadvantages of (2) :

-possibility to damage one of the switches used (MOSFET or BJT ) if not placing catching diodes correctly

advantages of (3) :

-High current capacity without any damage (10 A which is more than enough)

-easy to install

disadvantages of (3)

-mechanical moving parts may encounter problems

-wearing may happen

-two relays needed to operate on one motor for forward and reverse directions