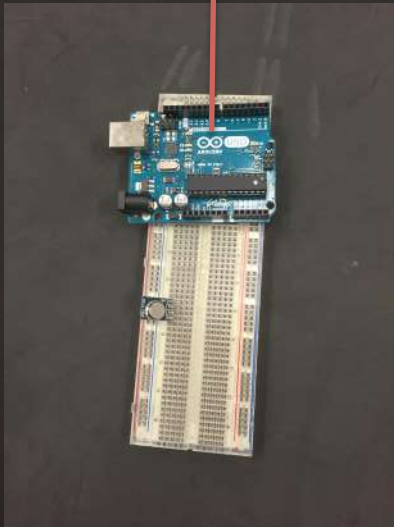


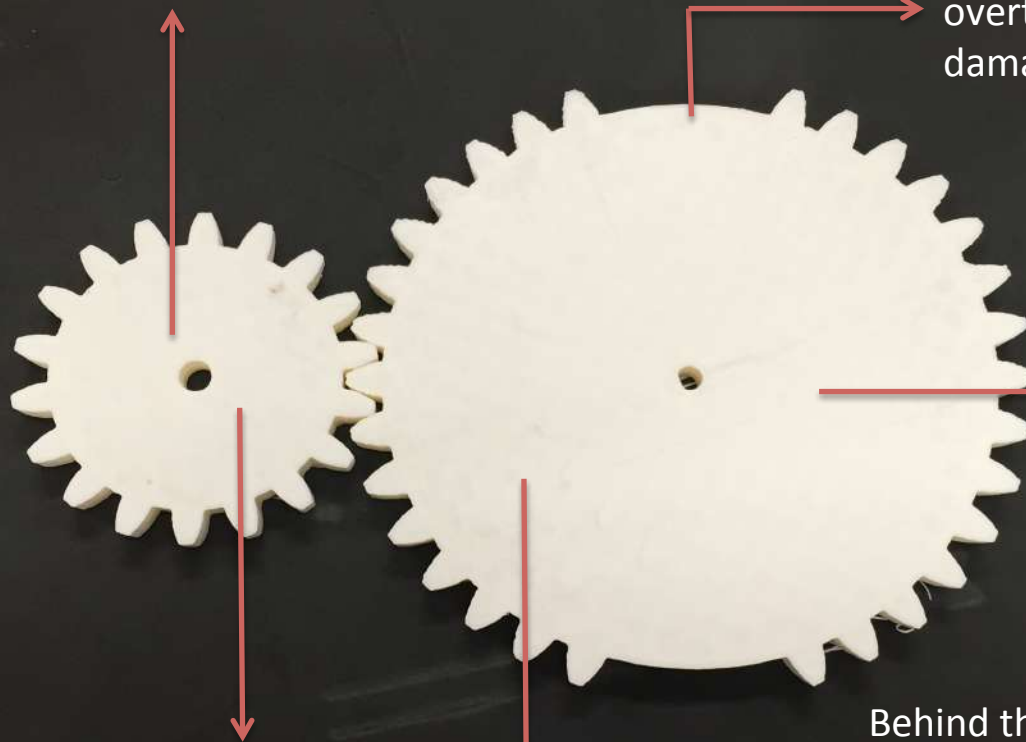
Automatic Door Opener

The small gear is attached to a door knob.

Using an Arduino board, the remote control is able to transmit radio message to the main control board.



No teeth here so as to prevent overturning which may damage the motor.



A motor is installed behind the big gear.

As the big gear turns one whole round, the small gear turns two rounds which open the door.

Behind the gear, there is a motor which is controlled by the main board. The main board contains an Arduino board which receives radio message.