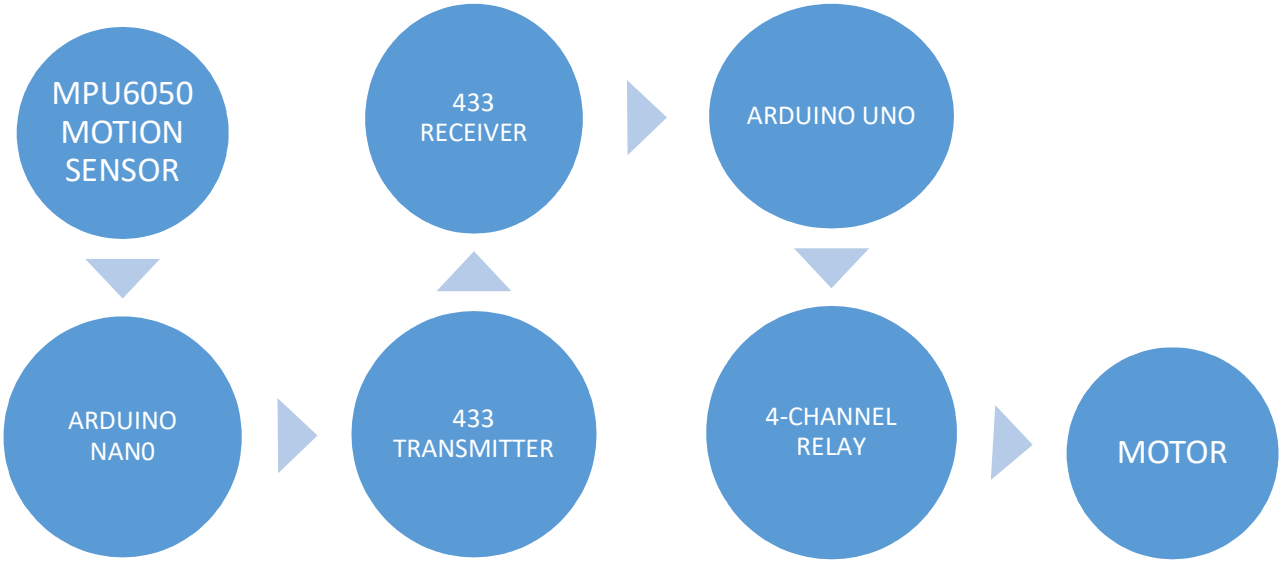
AUTOMATIC DRIVE SYSTEM FOR POWERED WHEELCHAIR

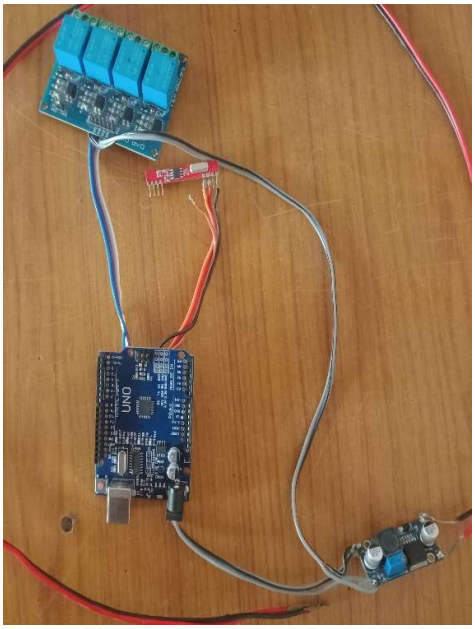
DESCRIPTION:

Powered wheelchair used for spinal injured people are operated by a part of body other than hand for example using head or leg or sip and puff require some force to use. They can result in repetitive strain issues, especially in the shoulders and not ideal for going long distances. In order to overcome this drawback we have provided an innovative solution. We came up with an idea head-band structured model, it consists a sensor (accelerometer) which helps a person to move in a desired direction with just minimum motion of their head. This would make them feel better. They feel independent life and roam around freely without any help. This would make the feel better

FLOW CHART



PROTOTYPE



OBJECTIVE:

- It reduces the struggle of the person to control the motion of the wheel chair.
- It gives an independent life and makes them move around freely
- Most importantly, the wireless system we provide would reduce complexity in the control and makes the move around freely without any disturbance