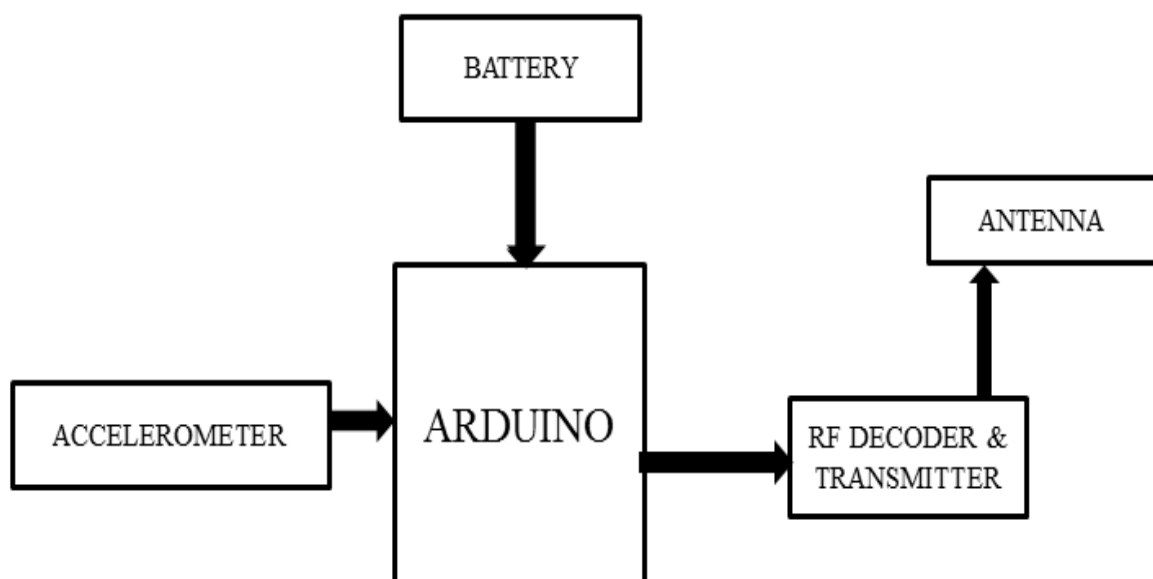


HAND MOTION CONTROLLED ROBOTIC VEHICLE

ABSTRACT

This system is very beneficial for disabled people as it allows movement of a robotic vehicle on the basis of hand movements. The person just has to move his hand in order to move the vehicle in forward, backward, left or right direction. So the user does not have to press any buttons. The system includes a receiver circuit designed which will be mounted on a top of a glove which the user has to wear. The circuit on the vehicle includes RF receiver, Arduino microcontroller and Driver IC to operate the motors. The receiver circuit that is on the top of a glove includes atmega family microcontroller interfaced to the accelerometer. The commands that are detected by the IC on this circuit are sent to the RF transmitter which then forwards the commands to the RF receiver. The RF receiver then sends the commands to Arduino microcontroller which processes the commands so that the vehicle moves in the specified direction.

BLOCK DIAGRAM of TRANSMITTER



BLOCK DIAGRAM of RECEIVER

