

9. Tilt Operated Wheel Chair:

This system was developed for patients unable to drive a wheel chair by strength. To aid the patient a wireless controller was attached to the hand or head of the patient. Based on the tilting of the patients hand the wheel chair would move. The tilt was measured using an IMU and data was transmitted via a pair of Bluetooth modules. For prototyping the wheel chair four wheeler structure was made. Gear motor was used for movement of the prototype wheel chair.

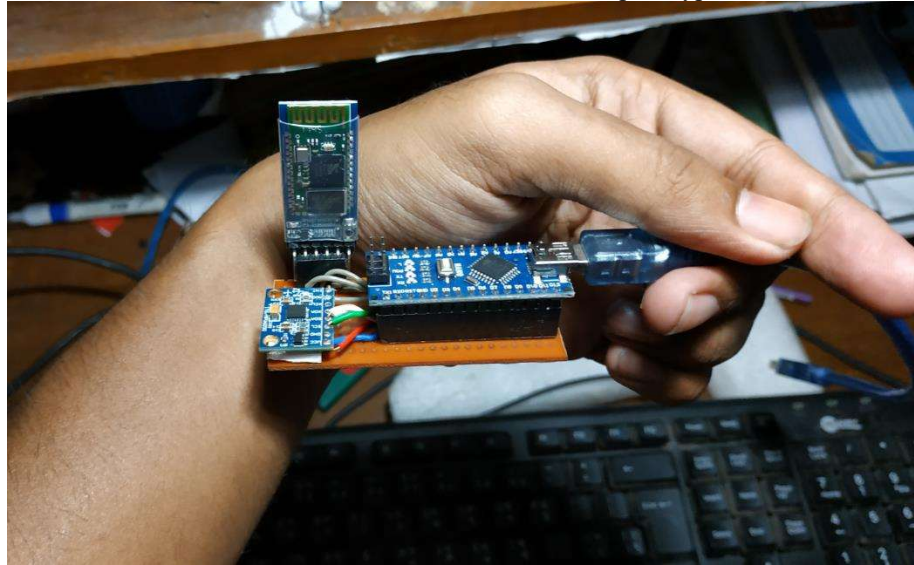


Fig: Bluetooth operated controller.

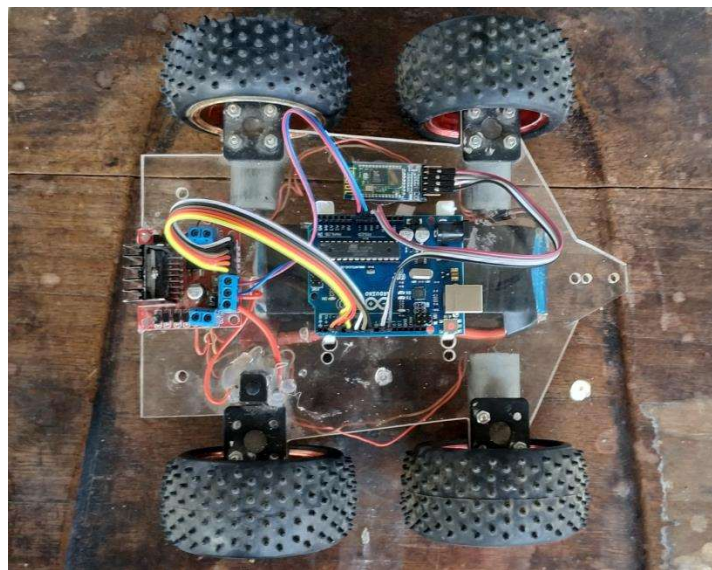


Fig: Wheel chair model.