APPLICATIONS:

- **Luggage carrying robot:** Now a days we all carry luggage's when we travel to other places or any other countries but the heavy luggage can be easily carried by the youngsters but for old aged people they have to call up the coolies to carry their luggage's but our robot will carry the luggage of any weight (the dc motor depends on the weight of the luggage) i,e the robot consists of a receiver and the user will be having transmitter, with the help of this the robot will carry the luggage and follow the user where ever he goes.

- **Trolley:** In malls trolleys are used to carry the items, vegetables, groceries etc. If the trolley is filled up by the items then it will be bit harder to pull so, if we modify the trolley as a robot i,e we place receiver and change the wheels and add dc motors to the trolley then it will be very useful to human mankind, the user will be having a transmitter which transmits sound and the receiver receives and the trolley will start to follow the user.

- **Military:** In military/defence the soldiers use/carry guns with them but to load it they need bullets so they will be indeed of more and more bullets so they have to load all the bullets in a box and they need to pull the heavily loaded box of bullets with them, instead of it if we modify the box and convert it as a bullet carrying robot then that will reduce the efforts of pulling the heavily loaded bullets. It will carry all the needed bullets to that soldier who will be having a transmitter with him, this box/robot will follow only that soldier who will be having the transmitter with him.

- **Transportation:** Now a days if we need to transport ant goods or any items then we should travel with it or we have to load it in any transportation vehicles, but our robot will carry the goods of limited weight and a gps tracker will help the robot to track the receivers location where the user will add the location to the robot. It will first find the location of the receiver and the choses the path to the receiver and will transport the goods/items to the receiver. When the robot will be moving in the path and if any objects comes near it then the ultrasonic sensors placed on it will avoid the robot to collapse with any objects near it, this is used for the safety of the goods/items which should not be damaged and the goods/item should be transported safely to the receiver without any problems.