ABSTRACT
The role of automation is very vital and it is making life easier by reducing the task and increasing the efficiency of work. The proposed system deals with the design and implementation of a "hand gesture controlled robotic four wheel car". It uses a ADXl335 accelerometer motion sensor to sense the hand gesture and so the robot car follows the motion of hand on which the accelerometer sensor is mounted. The proposed setup is easy to use and no extra effort is required and it provide four different gesture for controlling robot, these are forward, reverse, left and right. The robo-car has different number of degree of freedom (DOF) as per the requirement. There are number of application of robo car in industry and can also be used for personal assistance. The proposed system can be used in gaming, transportation, can work in hazardous area, for military use and can also be used where human intervention is not possible. Like in NASA's Mission to Mars, the spirit and opportunity drone etc.

Problem Statement Addressed

i) Driving Four Wheelers is very Difficult for physically challenged people.

ii) Workers getting Injured (in some cases casualties) while working in construction sites.

iii) Potential Risks of Bomb Squads during Diffusing Bombs.