ABSTRACT

Generally, robots are programmed to perform specific tasks which humans cannot. To increase the use of robots where conditions are not certain such as fire fighting or rescue operations, robots can be made which follow the instruction of human operator and perform the task. In this way decisions are taken according to the working conditions by the operator and the task is performed by the robots. Thus, we can use these robots to perform those tasks that may be harmful for humans. This paper describes about the gesture control all terrain robot which can be controlled by your normal hand gesture. All-terrain robots are supposed to handle a wider variety of terrain than ordinary robots. Whatever type of terrain you prefer (tough terrain, steep slopes, sand, mud, etc.), these robots can provide maneuverability and stability on every point of the terrain. It consists of mainly two parts, one is transmitter part and another is receiver part. The transmitter will transmit the signal according to the position of accelerometer and your hand gesture and the receiver will receive the signal and make the robot move in respective direction. Here, the program is designed by using Arduino IDE.