Brain Controlled Cars For Disabled Using Artificial Intelligence

B.Sahithi Y.V.Lavanya

ECE,B.E-2/4 ECE,B.E-2/4

sahithibellam@gmail.com lavanyayeleboina@gmail.com

Abstract

In the 40s and 50s, a number of researchers explored the connection between neurology, information theory, and cybernetics. Some of them built machines that used electronic networks to exhibit rudimentary intelligence, such as W. Grey Walter’s turtles and the Johns Hopkins Beast. Most researchers hope that their work will eventually be incorporated into a machine with general intelligence (known as AI), combining all the skills above and exceeding human abilities at most or all of them. A few believe that anthropomorphic features like artificial consciousness or an artificial brain may be required for such a project.AI is accomplished by studying how human brain thinks, and how humans learn, decide, andwork while trying to solve a

problem,and then using the outcomes of this study as a basis of developing intelligent software and systems.Implementation of AI led to creation of brain controlled cars for disabled,which the paper deals with. A brain driven and the brain controlled car for disabled, would be of great help to the physically disabled people. Since these cars will rely only on what the individual is thinking they will hence not require any physical movement on the part of the individual. The car integrates signals from a variety of sensors like video, weather monitor, anti-collision etc. It also has an automatic navigation system in case of emergency. The car works on the asynchronous mechanism of artificial intelligence which helps the disabled in every manner in the of transportation.