Abstract

It has been a long time that scientists are trying to move vehicles both in the vertical and horizontal plane simultaneously by the same machine. Working against gravity made it difficult to roll the wheels in a surface that is very steeply inclined to the ground plane. This paper work deals with the design and implementation of a wireless controlled motor vehicle with the ability to move in both vertical and horizontal plane. Aerodynamic techniques have been used to hold the vehicle in any inclined vertical plane. The paper work covers both electrical and mechanical portions. The mechanical portion has been designed using Solid works and 3D studio MAX while the electrical parts has been designed and simulated using Proteus VSM tool.

References

Index Terms

Computer Science

Control Systems

Keywords

Wall climber, Robot, Aerodynamic, Wireless communication