Abstract

The project aims to build a monocular vision autonomous car prototype using Raspberry Pi as a processing chip. An HD camera along with an ultrasonic sensor is used to provide necessary data from the real world to the car. The car is capable of reaching the given destination safely and intelligently thus avoiding the risk of human errors. Many existing algorithms like lane detection, obstacle detection are combined together to provide the necessary control to the car.

References

  - Dhaval Chheda, Divyesh Darde & Shraddha Chitalia, Smart Projectors using Remote Controlled Raspberry Pi, International Journal of Computer Applications (0975 – 8887), Volume
Index Terms

Computer Science  Automated Systems

Keywords

Raspberry Pi  lane detection  obstacle detection.