DESIGN AND DEVELOPMENT OF A SCALED TEST LABORATORY FOR THE STUDY OF MEMS ACCELEROMETER FOR INTELLIGENT STEERING WHEEL OF AN AUTOMOTIVE SYSTEM

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Abstract

The aim of this paper is create a prototype control system, which will operate a steering wheel of the automobile based on the movements of the controller. We use a MEMS accelerometer to detect motion of the controller and accordingly control a steering of the car. The project can be demonstrated using a toy car.