Abstract

Control Area Network (CAN) based Simulator is developed with help of LabVIEW platform which simulates the electrical system inside the vehicle. This simulator is used to test the android application running on the dashboard of a vehicle. Entire design is based on the CAN architecture, its messaging system and functionality of the electronic control units (ECUs) inside vehicles. Testing depth increased successfully with proposed simulator.

References

4. Yang Zhu, Hao Hu, Guoqing Xu, Zhiguo Zhao, “Hardware-In-the-Loop Simulation of Pure
7. CAN Physical layer for industrial applications, CAN in Automation (CiA), version 3.0.0, February 2010.

**Index Terms**

Computer Science
Automated Systems

**Keywords**

CAN, ECU, Messaging Protocol, Reception of frames, and Transmission of frames.