



Implementing Vehicle Control System Using I²c Protocol

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Abstract: Currently, Automobiles are been get developed using various control parts for effective conditional operation. Normally, a vehicle is been built with a driver and vehicle interface to control over the features of pressure, temperature, speed, motion, LDR, etc., In many embedded based applications the communication fetches the important factor for sending the data's. It includes USB, USART, SPI, CAN, and I2C. This paper reveals I²C provides ease of communication without data losing comparing to others. It is simple in nature, cost effective and accurate than other serial communications. Here, their communications been carried over through the serial data (SDA) and serial clock (SCL). So the given method describes how the data been shared between the controllers using Proteus Software and can be implemented using Raspberry Pi and Beagle Bone developer board.

Keywords: I²C Protocol, data losing, SDA, SCL

