Abstract

Instrument cluster system is a key system in every automobile. It provides the required parameters to the driver which involves proper manoeuvring the vehicle. The traditional approach to achieve was with needle gauges and instrumentation, situated behind the steering wheel.

This dissertation describes the analysis, design, implementation and testing of a prototype of instrument cluster system for the Team E-WOLF electric car track day. A more compact design was developed and a proper communication system was built between both two systems reducing wiring.

Following tasks are discussed in this report.

- A description of available designs and their functions
- Selection of design and implementation
- Testing with prototype and evaluation of the design
- Possible future work and conclusions