

INFORMATION SYSTEM BASED ON ONBOARD DIAGNOSTIC-II COMMUNICATION PROTOCOL

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On Board Diagnostic (OBD) is an automotive term referring to a vehicle's self-diagnostic and reporting capability. Unlike early versions of OBD which would simply illuminate a malfunction indicator light modern OBD implementations use a standardized digital communication port to provide real-time data in addition to a standardized series of diagnostic trouble codes. As such, it has become possible to interpret data in real-time.

The most prevailing method of acquiring real-time OBD data requires the observer to travel with the vehicle with an attached scanner. So the analyzing and interpreting has been done on location by single person. Apart from that most of the collected data is being deprecated once the scanning is done. This has become a problem facing in the automobile industry.

The project report describes a flexible way of interoperating OBD data through an android application integrated with web application interface. The key objective is to exploit a user independent, database oriented data gathering method and web based user friendly data interpreting interface. It also focus on interpreting data for different usages. This attempt is evaluated with existing work and shows significant improvement of using OBD data.