



With a growing demand for transportation IC engines have gained lot of importance in automobile industry. It is therefore necessary to produce efficient and economical engines. While developing an IC engine it is required to take in consideration all the parameters affecting the engines design and performance. It therefore, becomes necessary to account for relevant parameters while testing an engine and determine the measures to be taken to improve the engines performance. The project focuses on the development of a comprehensive diagnostic tool for condition monitoring and systematic analysis of diesel engine. Particularly attention focuses on the machine health monitoring of diesel engines its range of temperature, acceleration and exhaust gases by using various sensors. It provides the basis for proactive maintenance and operational decisions based on the actual machinery condition. Health monitoring helps the operations to have a live, exceptionally accurate and highly reliable control and report system, which at the same time is cost efficient. Therefore, it makes the entire system leaner by reducing the maintenance costs, damage risks, and missing information errors .Diesel engine health monitoring System is a modular system which allows an adaption to your requirements and system condition LabVIEW provides the flexibility of integration of data acquisition software/hardware with the sensors the system developed through this procedure will have the capability to monitoring of various parameters of diesel engine.

Diesel Engine Health Monitoring System

