**Design and analysis of intake manifold**

**ABSTRACT**

This project focused on simulation testing of automotive intake manifold design using Computer Aided Engineering software. Finite element structural analysis is conducted on. Intake manifolds designs for material cast aluminum alloy. The purpose of this project is to study the computational maximum stress on the model due to the effect of engine combustive gas pressure pulsation loads. To generate the cad model of intake manifold solid works premium 2014 is used and for analysis the solid works simulation is used.