ENGINE COOLING SYSTEM WITH FINS AND RADIATOR

A PROJECT REPORT IN PARTIAL FULFILLMENT OF THE

REQUIREMENTS FOR THE

AWARD OF THE

DEGREE OF

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGNEERING

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CERTIFICATE

This project is to certify that report is entitled **"ENGINE COOLING SYSTEM WITH FINS AND RADIATOR"** was carried out by **N.MURALI(16815A0329), Y.YESWANTH(15811A03E1), B.SEKHAR(16815A0305), R.CHANDRA SEKHAR(14811A03A5)** in partial fulfillment of the requirements for the award of the **Degree of Bachelor of Technology in "MECHANICAL ENGINEERING" To JNTUK** university at **AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY , Narsipatnam, during the acadamic years**

2015-2019.

29/3/19

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ABSTRACT

The main purpose of this project is to increase the efficiency of the cooling system by using the combination of radiator and fins. With this set up we can get the good working conditions of the engine without Breakdowns. The physical set up of the fins and radiator influence the cooling system effectiveness.

The vehicle engine cooling system, ethylene glycol (antifreeze) added cooling water circulation pump, radiator and radiator fan with components that control components consists of linking the plumbing and electrical installation.

This study have been made presentation an engine cooling system radiator has been cancelled. This cooling system radiator instead; vehicles turbocharging system (turbo-compressor) produced by compressed air or atmospheric air intake of the engine intake air in the vehicle and conservator similar container means is passed through the hot water, hot engine coolant cooling as a result of evaporation in the air, the capacity of the enlarged vehicle inter-the water vapour passing through the cooler to be condensed by heat transfer method and inter cooler outlet in the air vortex motion is built and low pressure loss, central air operated liquid separator system with several methods in cold sleep decomposed transferring the engine coolant system is discussed topic.

The prototype vehicle design model is being prepared for developed engine cooling system. Validation studies were also being prepared with tests performed on the prototype designed vehicle.