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FINAL YEAR PROJECT REPORT
COOLING SYSTEM OF AUTOMOTIVE ENGINE

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CHAPTER 1

INTRODUCTION

1.1 Cooling System in General

As we all know that the cooling system is very important to automotive engine. Without the cooling system, the engine will encounter a lot of trouble and problem such as engine overheats, parts in the engine crack due to the high temperature, etc. This kind of problems will be elaborate in the following chapter where all the diagnosis was being made.

It is very important to know the roles of cooling system in automotive engine and what it can do to it. The cooling system is very important because it will keep the temperature within safe limits. Unless steps are taken to limit the temperature of engine parts, a number of more or less serious troubles will arise. The function of cooling system is to remove heat from the engine parts at high enough rate to keep their temperature within the safe limits and so avoid this kind of trouble. However it is very important not to cool the engine and if that occur other troubles will encountered.

Heat is necessary to assist in vaporizing the fuel inside of the cylinder using the compression stroke. Unvaporized fluid will be deposit on cold cylinder wall and besides being of wasted; it will dilute the lubricating oil and destroy its lubrication. If the cooling