

FINAL YEAR PROJECT REPORT

BACHELOR ENG (HONS) IN MECHANICAL ENGINEERING

**FACULTY OF MECHANICAL ENGINEERING
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TITLE

**STUDY THE PERFORMANCE OF DIFFERENT TYPES OF
FIN IN AIR COOLING SYSTEM HEAT TRANSFER**

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ABSTRACT

The study of cooling performance is there important for the development the cooling system in order to gain the best results in this field. In this thesis, there are theoretical and practical studies of the air cooling system that have been focused and discussed. The first is on the principles and theory which covered introduction of the cooling system, extended surface (fins), fundamentals of heat transfer and the finned surface.

On the practical studies, an experiment of the cooling performance has been "carried out on the three different types of fins. This experiment is mainly focused on the cooling performance for the three different type of fin.

All the comments and conclusions on the carried out experiment are based upon the theoretical facts and the practical practices that have been done by numbers of) experts that are included in this report. Therefore, all the information given in this report will be useful and benefited to future students who will involve in this field and hopefully it could meet the widening needs and interests if the technical people in the designing of the cooling system.

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Regards,

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