

FINAL YEAR PROJECT REPORT

ADVANCED DIPLOMA IN MECHANICAL ENGINEERING

SCHOOL OF ENGINEERING

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SHAH ALAM

TOPIC : SERVICES FOR THE INTELLIGENT BUILDING

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PREFACE

The aim of this Project is to study in detail, requirement of certain services for an Intelligent Buildings. The services which shall be taken into account are air - conditioning service, lifting and lighting.

Intelligent building concept is new in Malaysia, therefore in doing this project we got into much difficulty in getting relevant information about the services for an Intelligent Building (IB). The IBs concept is not yet enforced by any government agency of Malaysia and shall probably not be the case for many years to come. However in order to optimise on resources, Building owners may introduce such concepts into their properties in order to remain competitive.

The objective of this project are to :

- 1) Study the concept of the Intelligent Building**
- 2) Figure out the effectiveness of the IBs concept.**

3) Determine the characteristics required of the air-conditioning, lifting and lighting service which make up the concept of Building Intelligence.

4) Review and discuss in which way existing codes of practice hinder such development

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