

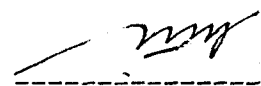
FINAL YEAR PROJECT REPORT
ADVANCED DIPLOMA IN MECHANICAL ENGINEERING
SCHOOL OF ENGINEERING , I.T.M.

PROPOSAL
ON
INTERGRATED FIRE ALARM SYSTEM FOR I.T.M.

BY :
ROSLY BIN DERAMAN

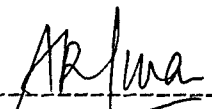
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A report submitted to the school of Engineering, Institut Teknologi MARA, Shah Alam, in partial fulfillment of the requirement for Advanced Diploma in Mechanical Engineering.

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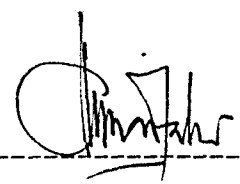
Rosly Deraman
(student)

Date: 11th MAY 1988

Approved: 

En. Ab. Rahman Omar
(Project Advisor)

Date: _____

Signed: 

En. Ahmad Fakri Shaari
(Ketua kursus
Jabatan Kejuruteraan Jentera)

Date: _____

Signed: _____

(Ketua Kajian
Kejuruteraan)

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· Rosly Deraman ·

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1.0 INTRODUCTION

1.1 GENERAL

A fire alarm system is a system that give an earliest possible warning of the fire to give all personal immediately concern.

Fire alarm system is important to every building for the impacts of any fire would result in the destruction of human life and asset.

Fire alarm should be design at all place in the building as fixed by the National Fire Department (BOMBA) and it is consist of manual system and automatic system.

Automatic system is install at important places and this system can detect and give a warning of fire automatically. Smoke and heat detector are the equipment of this system and bell as the warning equipment. Normally this system is installed with automatic fire fighter system like halon gas.

Manual system is the system which have to operate manually. It is install at common places like the corridor and the staircase. Break glass is the equipment for this system and bell is the warning equipment.

Other thing that is important in the fire alarm system is the PA control panel. This PA control panel is control all the FA zones at the building and it will show the right place of the fire.