# ON-LINE DISTANCE LEARNING AT UNIVERSITI UTARA MALAYSIA (UUM).

A thesis submitted to the Graduate School in partial fulfillment of the requirements for the degree Master of Science (Information Technology), Universiti Utara Malaysia

by

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# ABSTRAK

Penyelidikan ini bertujuan untuk menggunakan sepenuhnya teknologi maklumat terkini yang terdapat di Malaysia seperti INTERNET bagi menggantikan penggunaan modul bahan bercetak yang digunakan di Universiti Utara Malaysia untuk Program Pendidikan Jarak Jauh (PJJ). Kaedah baru ini menggunakan Lotus Notes dan teknologi Lotus Domino, dapat meningkatkan ciri-ciri seperti keselamatan, papan buletin, kandungan modul dan latihan di Web. mel elektronik. dan soalan yang kerap ditanya. Kemudahan ini dapat memberi faedah kepada pelajar dan juga pensyarah universiti iaitu dalam bentuk penjimatan masa, kecekapan dan kos. Ini kerana kebanyakan pelajar dewasa bekerja sepenuh masa, dan dengan kaedah ini mereka berpeluang belajar mengikut masa dan keupayaan masing-masing.

# ABSTRACT

This project is proposed to utilize the current information technology available in Malaysia i.e. the INTERNET to replace the current paper printed module materials used by Universiti Utara Malaysia for distance learning program (Pendidikan Jarak Jauh - PJJ). This new method, using Lotus Notes and Lotus Domino technology, together with enhanced features like security, bulletin-board, module content and exercises on Web, E-mails, frequent asked questions section, will benefit both students and the university in terms of time, efficiency and cost. Thus, the continuing students. usually working full-time, are able to study at their own time and pace.

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All the while, the developer knows that Lotus Notes is a very powerful software but only exposed to E-mails and databases. After doing a lot of readings and researching, the developer was amazed that Lotus Notes is capable to meet all the features required for the distance learning (Pendidikan Jarak Jauh – PJJ) program.

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# CHAPTER ONE

# INTRODUCTION

## 1.1 Background

The distance learning (Pendidikan Jarak Jauh – PJJ) program plays an important role in the field of education. The establishment of distance learning is to give a second chance for working people to continue with their education. At the same time, the Malaysian government is hoping to have a knowledgeable and educated society. The traditional university education is a face-to-face method and bound to encounter with space constraint as the number of student enrollment increases. The establishment of PJJ program by local universities in Malaysia is to provide a continuing education with lower cost, study at the pace of a working continuing student and to have a knowledge society. Besides giving the continuing students a second chance to gain knowledge, PJJ will enhance the quality of work for the students. At the same time, these students are able to graduate with a university degree in hand. Students enrolled for the PJJ program are presented

The contents of the thesis is for internal user only

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