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DESIGN AND DEVELOPMENT OF ONLINE ADMISSION SYSTEM FOR ALQUDS OPEN UNIVERSITY IN PALESTINE

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DESIGN AND DEVELOPMENT OF ONLINE ADMISION SYSTEM FOR ALQUDS OPEN UNIVERSITY IN PALESTINE

A project submitted to the Graduate School in partial

fulfillment of the requirements for the degree

Master of Science (Information Technology)

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By

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ABSTRACT

Student admissions are playing very important role in major activities of the any university as the basic requirement of the university is students and without students university cannot survive. An inefficient admission application system may reduce the number of admitted student in the esteemed university because if the admission system is slow and having many delays in the process. When considering Palestine students this is unfortunate, but when considering Palestinian international students it can mean the difference between success and failure because of the large sums of money each brings to the university's economy. This project is to design and develop the under-graduate Palestinian international and local admission process at the University of Alquds Open University to develop an easy to use system that will significantly quicken and simplify this process. The interviews were conducted for the data collection, after that the design was made in UML for meeting the requirement of admission system. This admission system was developed by using JSP and MySQL. The system usefulness, quality of information and quality of interface were evaluated by distributing questionnaire to users and analysis on the data collected from questionnaire was analyzed by using SPSS software.

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LIST OF ABBREVIATIONS

QOU	:	Alquds Open University
UUM	:	Universiti Utara Malaysia
OCR	:	Optical Character Recognition
WWW	:	World Wide Web
JSP	:	Java Server Pages
JSTL	:	JSP special standard tag library
CGI	:	Common Gateway Interface
JDBC	:	Java Database Connectivity
APIs	:	Application Programming Interfaces
JDK	:	Java Developer Kit
SQL	:	Structured Query Language
ODBC	:	Open Database Connectivity
UML	:	Unified Modeling Language
OAS	:	Online Admission System
CSUQ	:	Computer System Usability Questionnaire
SPSS	:	Statistical Package for the Social Sciences
IBM	:	International Business Machines
CAPTCHA	:	Completely Automated Public Turing test to tell Computers and Humans Apart

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

Student Admissions is the process in which all applicants to The University of ALQUDS OPEN UNIVERSITY they apply for admission. Like the manual admission applications, where the procedure of admission application starts with the completion of student admission form by the perspective student through the manual university admission department (Admission procedure & policy, 2012), the student may print and download the form and also come directly from the university.

The second stage will be the University Admission Department will review and consider the application for admission and it will check that all the pre-requisite and required information which is mandatory is provided or not, also the documentation required with the form just like degree and certificates required are attached with the form or not. If anything is missing information or the required documents the Admission Department will send to the application from where it was initiated or routed to rearrange and provide the missing documents or mandatory information required (Admission procedure & policy, 2012).

The whole entire application will be forwarded, along with the required documents to the section of the admission department for the evaluation, the teachers and staff committee will have right to decide that which application will be accepted or rejected. The committee will review the

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6.5 FUTURE WORK

The online admission system prototype which was developed is effective in a way that it will automate and make online admission instead of manual. Yet some areas in this study not explored in detail due to time constraint. Some of them are given below in future the possibilities of work to be carried out in this system

1. The payment system can be increased by using the original merchant account for credit card holders.
2. The admission offer letter can be sent online when student is admitted to the university.
3. Student can be assigned academic coordinator to advice them after admission to avoid problems of students facing for coming university and choosing subjects.
4. The admission system security in login can be increased by using CAPTCHA.
5. The System can send the confirmation or information by SMS to cell phone of candidates.

6.6 CONCLUSION

This chapter discussed on user acceptance, usability results and system limitations. At the end of the chapter some recommendations are proposed. The overall findings found during the development of this prototype and testing were positive and goal oriented.

As it was already explained in Chapter one that the major objective of this study is to design and develop an Online Admission System for QOU. The prototype which was developed that is very helpful to the admission department as well as the perspective students. This Online Admission System will bring the enhanced interaction between them.

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