

Automated M.C.Q'S generator system



Project Advisor:

Sir Mazhar Javed

Submitted By:

Salman Ahamd Fayyaz

110165043

Muhammad Sheheryar

12003065413

Ali Zafar

12003065246

Session

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University of Management and Technology

C-II Johar Town Lahore Pakistan

Dedication

I would like to dedicate this project to all people who have been involved in this project either directly or indirectly for their support and benevolence in making this project successful especially to my FYP (Final Year Project) supervisor and to my beloved parents.

Final Approval

Panel of Examiners

- **Head of Department** _____
Department of Computer Science
UMT Lahore

- **Program Director (Final Year Projects)** _____
Department of Computer Science
UMT Lahore

- **Supervisor** _____
Department of Computer Science
UMT Lahore

- **Co-Supervisor** _____

Acknowledgment

I thank ALMIGHTY ALLAH for giving us strength, knowledge and competence to make a modest contribution. After so many months of hard work in completing this project, it finally comes to a day of expressing our gratefulness to a number of people. I would like to extend my highest appreciation and gratitude to:

Sir Mazhar Javed Awan the initiator and supervisor of this project, who has inspired me and guided me in the achievement of this dissertation. This project would have been a complete fiasco without his guidance, assistance and constructive suggestions especially in early phases.

I have no words to thank him for his laborious contributions in vivifying the raw ideas

Project Title: Automated M.C.Q'S Generator System.

Objective: As by past the M.C.Q's paper are generated manually by the resource person. Which is a time consuming work. There is a security risk also of paper leakage etc. The system we are introducing is a automated generator system of M.C.Q's type paper that generate paper from a given text. It will motivate the students to study if the questions are generated automatically from various texts (articles, research papers, web documents)

Undertaken by: Personal

Supervised by: Sir Mazhar Javed Awan

Starting Date: 5/6/2016

Completion Date: 12/6/2017

Tools Used: Microsoft .Net
HTML
JavaScript
MySQL

Operating System: Microsoft .Net Windows Form

Documentation: Microsoft Office Word

Plagairism Report

Abstract

In this project, we propose an automatic generation system of multiple-choice cloze questions from English texts. Experimental knowledge is necessary to produce appropriate questions, so machine learning is introduced to acquire knowledge from existing questions. To generate the questions from texts automatically, the system extracts appropriate sentences for questions from texts based on **Preference Learning**, estimates a blank part based on **Conditional Random Field**, and **Generates Distracters** based on statistical patterns of existing questions. Experimental results show our method is workable for selecting appropriate sentences and blank part. Moreover, our method is appropriate to generate the available distracters.

REVISION CHART

| Version | Primary Author(s) | Description of Version | Date Completed |
|--------------------|---------------------------------|--|-----------------------|
| <i>Draft</i> | Salman , Sheheryar Ali Zafar | First draft made for appropriation and survey remarks | 29/08/2016 |
| <i>Preliminary</i> | Salman , Sheheryar Ali Zafar | Second draft fusing starting audit remarks, circulated for conclusive survey | 10/10/2016 |
| <i>Final</i> | Salman , Sheheryar Ali Zafar | First complete draft, which is put under change control | 14/3/2017 |
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| <i>Revision 2</i> | Salman , Sheheryar Ali Zafar | Revised draft, revised as indicated by the change control process and kept up under change control | 30/7/2017 |

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Definitions and Acronyms

e.g

| Acronym | Definition |
|------------------|--|
| A.M.C.Q'S | Automated Multiple Choice Question Generator System |
| Dashboard | Main interface of the system |
| Profile | Interface where profile will be added |
| Upload book | Interface which prompt to upload book from computer to the system database |
| Books | Interface have total uploaded books in sequences |
| Generate M.C.Q'S | Interface that prompt resource person to create paper |

1. INTRODUCTION

Automated M.C.Q'S Generator System is the system that generates multiple choice question from a given text of a document i.e. book. The system extracts the sentence from the given text and generates M.C.Q's on the basis of three different approaches use in the system to create M.C.Q's. Also generate answers of the M.C.Q's and three others distractors. The system also include a option of customize paper that the resource person can manually add M.C.Q's of his/her choice.