PURBANCHAL UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING

KHWOPA ENGINEERING COLLEGE
LIBALI-2, BHAKTAPUR

A MID DEFENSE REPORT

ON

ONLINE MCQ EXAMINATION SYSTEM

Project work submitted in partial fulfillment of requirements for the award of the degree of Bachelor of Engineering in Computer Engineering (Fifth Semester)

SUBMITTED BY:

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ACKNOWLEDGEMENT

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF ABBREVIATIONS

HTML: Hypertext Markup Language

CSS: Cascading Style Sheets

JS: JavaScript

PHP: Hypertext Processor

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

Online MCQ Examination System is a system that allow for multiple choice questions to be answered and graded digitally, saving time and reducing errors. They also provide greater accessibility and flexibility for students with disabilities or busy schedules. Online MCQ examination systems offer several benefits over hand-written exams. They are more efficient and cost-effective. They also provide greater accuracy and consistency in grading. Online MCQ examination systems offer a more effective and engaging way to assess student learning [1].

It also reduces cost, as online exams eliminate the need for paper, printing, and manual grading. This can result in significant cost savings for institutions and organizations that administer large numbers of exams. Additionally, online exams are often more accurate than paper-based exams, as they can be designed to prevent errors such as misreading or misinterpreting answers.

1.2 MOTIVATION

This system will be able to handle many services to take care of all student's records in a quick manner. This system will save time and paper work and make examination more systematic and disciplined. The web enabled examination system can be accessed from anywhere through the internet. Online Examination System is cheaper than traditional system. On completion of this online examination system institution can save money and many hours of human work. This system support objective as well as short descriptive questions. At present time many companies are following automatic system for aptitude test in placement.

1.3 STATEMENT OF PROBLEMS

One common challenge that institutions or organizations may face when implementing online MCQ examination systems is technical difficulties. These can include issues with the platform itself, such as slow loading times or system crashes, as well as problems with internet connectivity or hardware compatibility. To address these challenges, it is important to thoroughly test the system before implementation and provide technical support for both instructors and students.

1.4 OBJECTIVES

Our objective is to make sure that the student is thoroughly aware of the course curriculum and that the exam reflects the course content he/she has studied.

1.5 SCOPE AND LIMITATION

This includes providing students with information about the format of the exam, the types of questions that will be asked, and the time limit for completion. In addition, it is important to communicate the consequences of cheating or other forms of academic misconduct.

- Technical problems or connection errors may occur.
- The context of the examinee may be incompatible with taking the exam.
- The student may lack concentration due to not having the habit of virtual work.
- There is a risk of hacking the online exam by impersonation, involvement of third parties, or consultation of unauthorized sources.

CHAPTER 2
LITERATURE REVIEW

With the PC and organization innovations broadly utilized, numerous PC applications dependent on Web have been created. Online MCQ Examination framework is the one which permit understudies or students to do exercise or tests through PC. It decreases the outstanding task at hand of educators, yet additionally accomplishes the objectivity and fairness of assessment. In the previous quite a while, numerous assessment frameworks have arisen. An Online MCQ Framework is an Online test system is to take Online Assessment, test in a successful way and no time squandering for physically checking of the test paper.

Online MCQ is the pivotal parts among online training. It is productive and quick enough and diminishes the enormous measure of material assets. Assessment framework is created dependent on web[2]. This paper portrays the rule of the planned framework, that presents the primary elements of the framework, dissects the calculation of auto-creating test paper, and examines the security of the framework.

CHAPTER 3
PROJECT MANAGEMENT

3.1 TEAM MANAGEMENT

In order to complete and present the project proposal in well-manner, we manage a group with four members. They are:

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Jenisha Shrestha (770315)

Kritima Shrestha (770318)

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3.2 GANTT CHART

Task/Weeks	1	2	3	4	5	6	7	8	9	10	11
Collecting requirements	■	■	■								
Coding and development		■	■	■	■	■					
Testing and debugging				■	■	■	■				
Documentation	■	■	■	■	■	■	■	■			

Fig 3.2 Gantt Chart

CHAPTER 4

METHODOLOGY

4.1 GENERIC MODEL
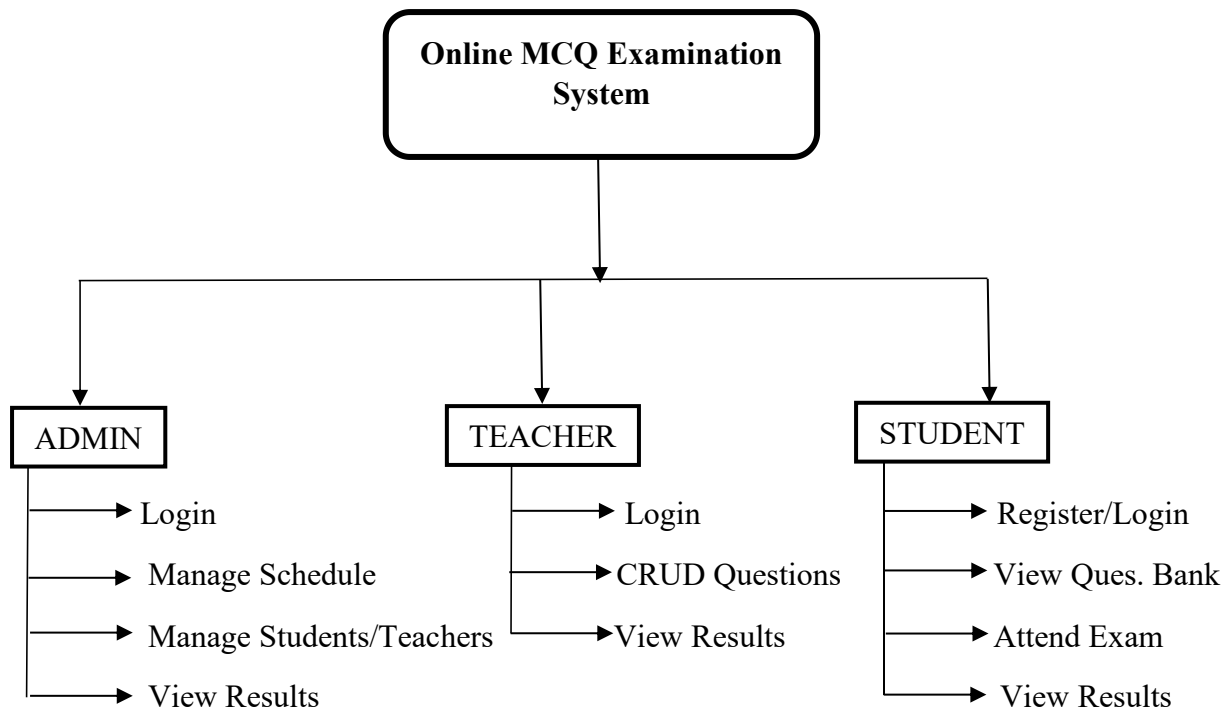
Fig 4.1: Generic Model

4.2 CONTEXT DIAGRAM
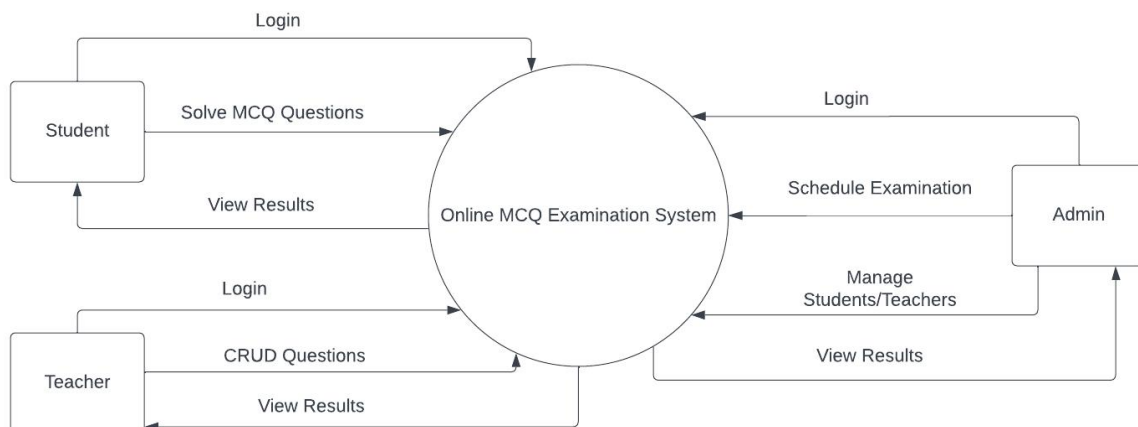
Fig 4.2 Context Diagram

4.3 DATA FLOW DIAGRAM
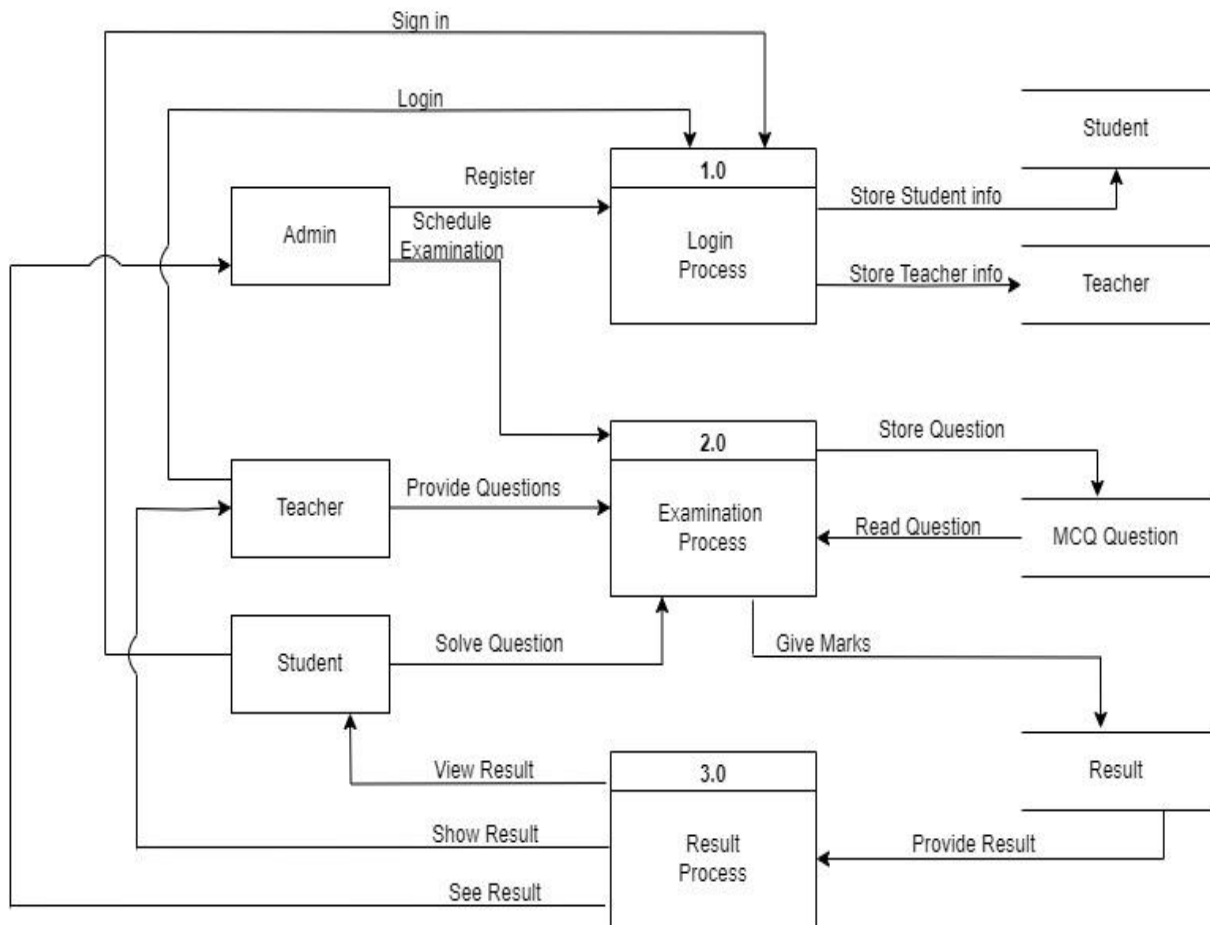
Fig 4.3 DFD of Online Examination System

4.4 FLOW CHART
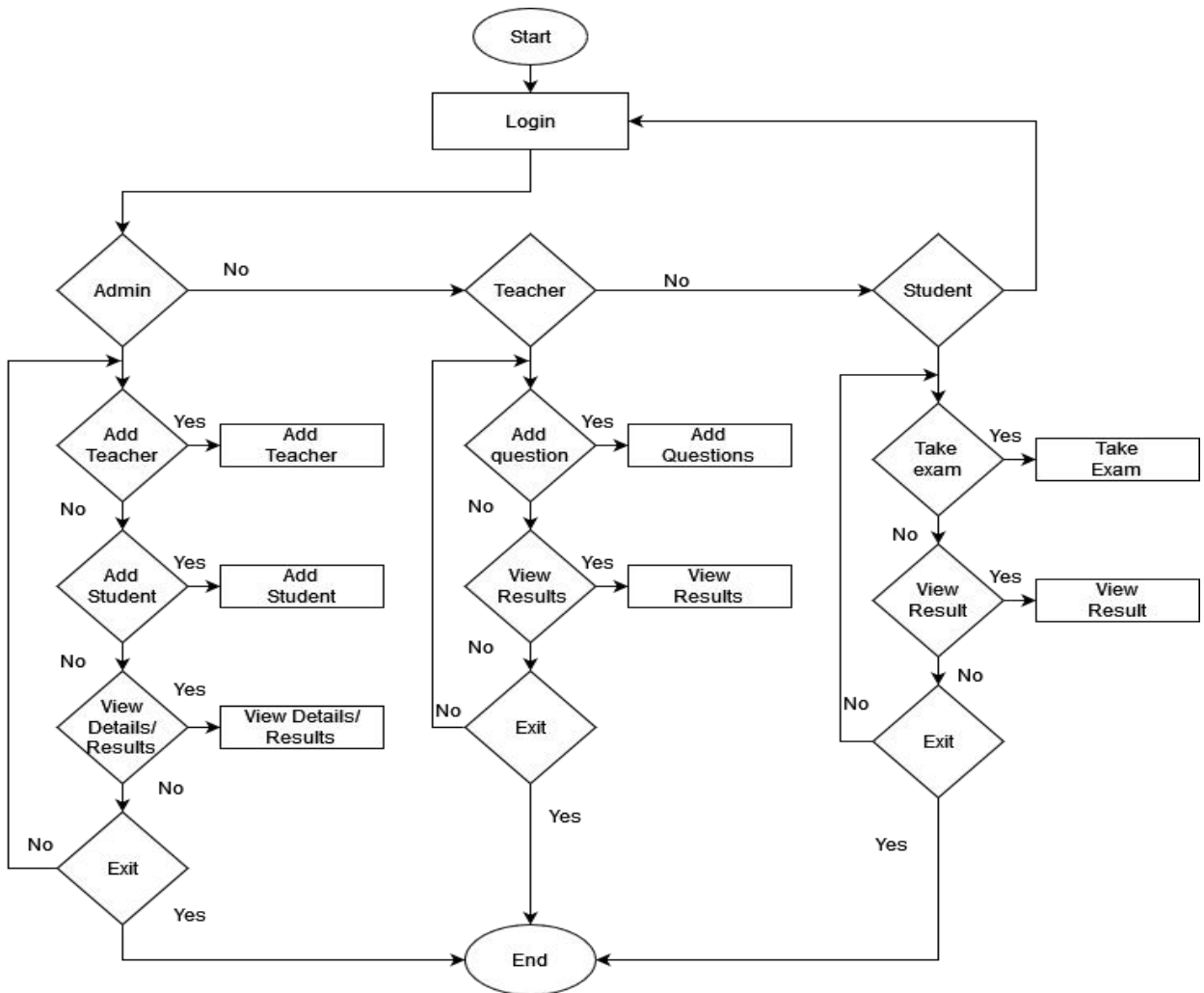
Fig 4.4: FLOW CHART

4.5 ER-DIAGRAM
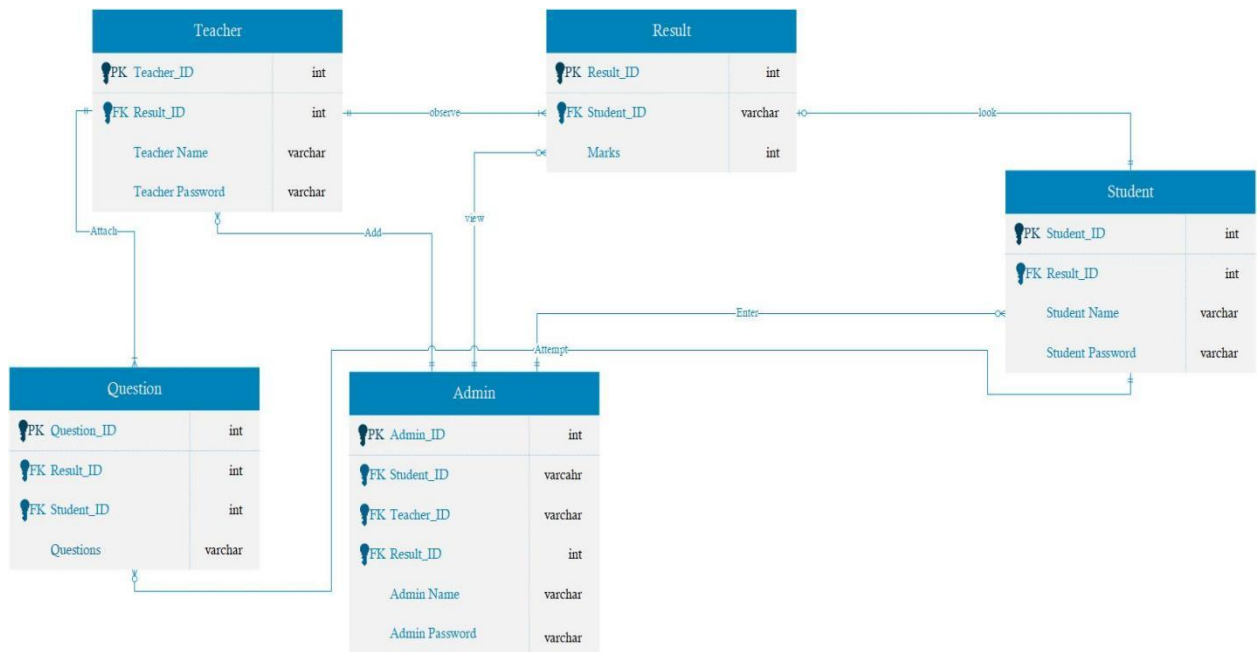
Fig 4.5: ER-DIAGRAM

4.5 TOOLS AND PLATFORM
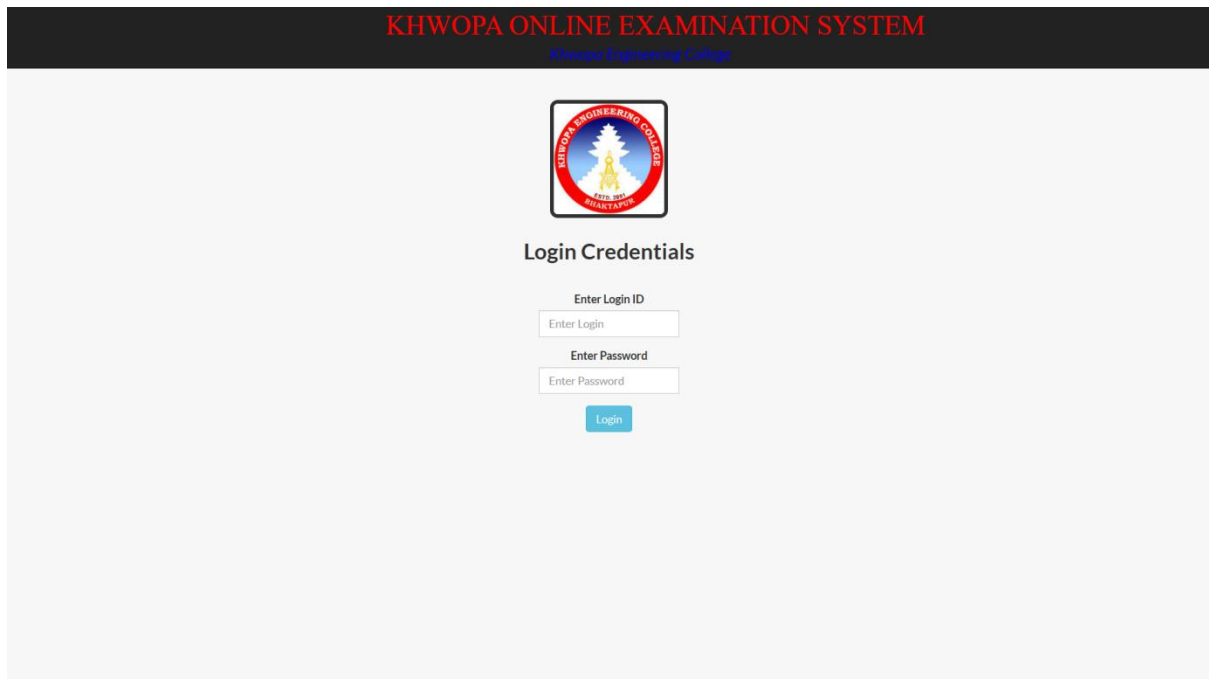
- HTML
- CSS
- JS
- PHP
- MySQL

CHAPTER 5

RESULT AND DISCUSSION

5.1 OUTPUT

5.1.1 Login Page

5.1.1 Index Page

5.1.2 Admin Page

5.1.2 Admin Page

5.1.3 Sign up Page

5.1.3 Sign up (student/teacher) Page

5.1.4 View details page

Fig 5.1.4 View details page

5.1.5 View Result

admin | Sign Out

Back

USN	Student Name	Result	Date
770301	alisha	4	2024-01-18

Fig 5.1.5 View Result

5.1.6 Teacher Page

surag007 | Sign Out

Welcome Teacher!!!

Add Questions

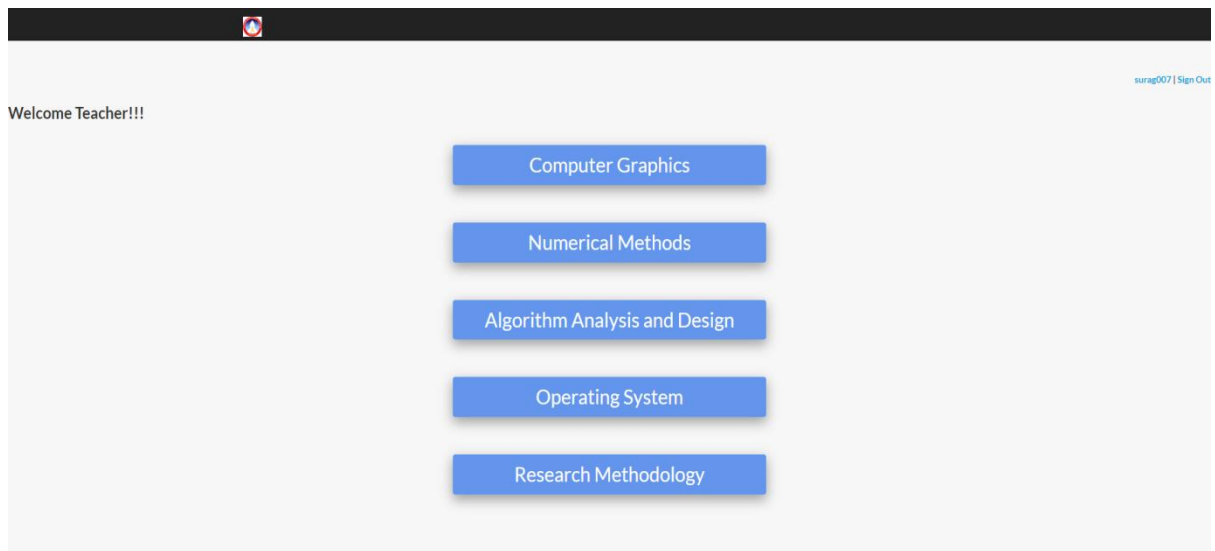View Results

Fig 5.1.6 Teacher Page

5.1.7 Subject Options

Fig 5..7 Subject Options

5.1.8 Add Question
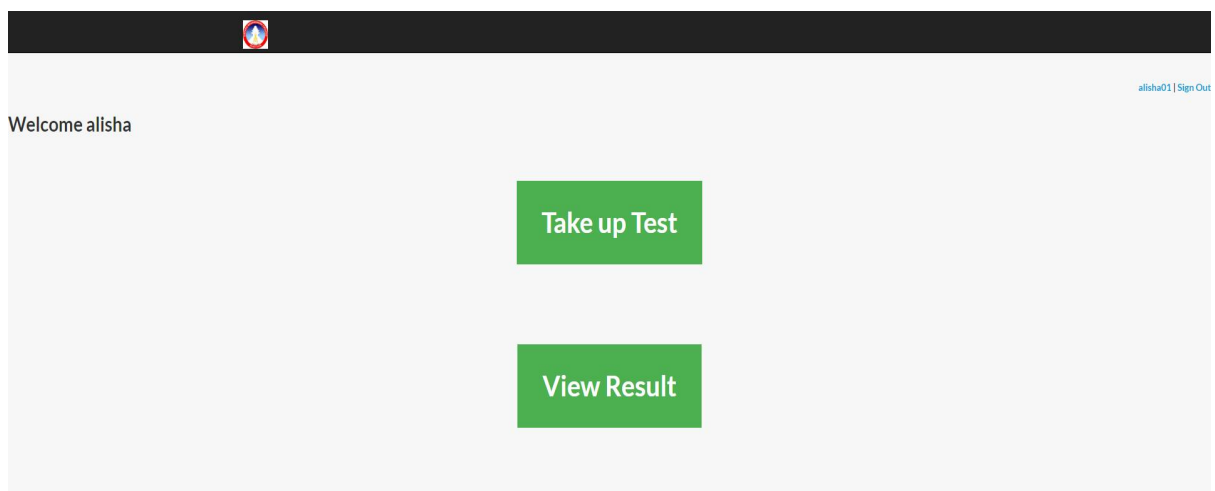

Fig 5.1.8 Add Question

5.1.9 User Page
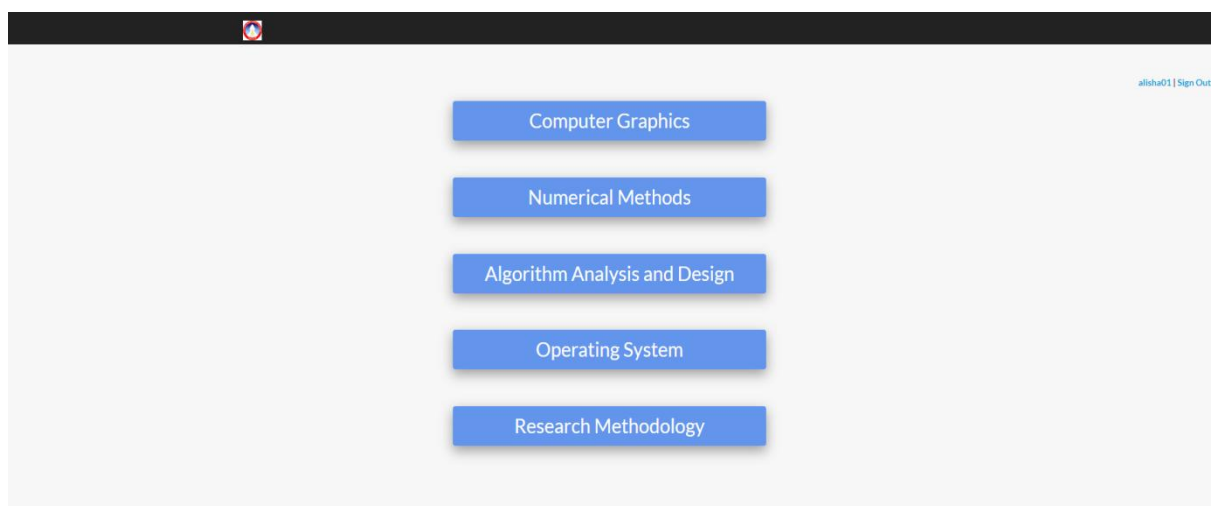

Fig 5..9 User Page

5.1.10 Subject Options

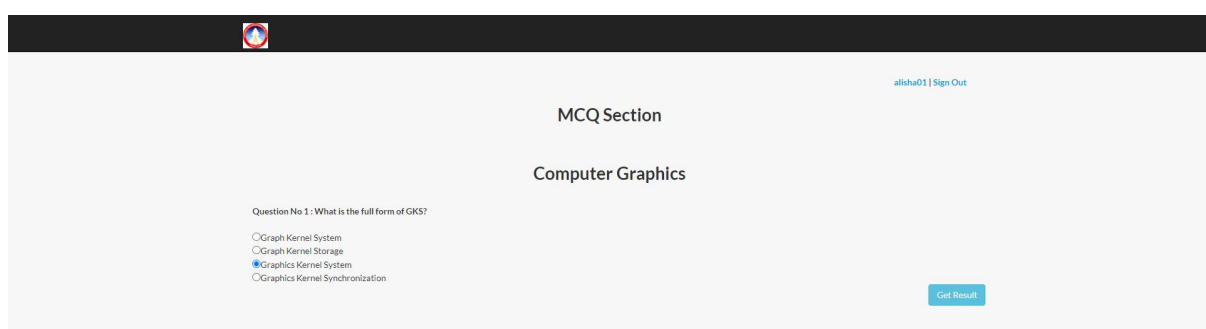Fig 5..10 Subject options for students

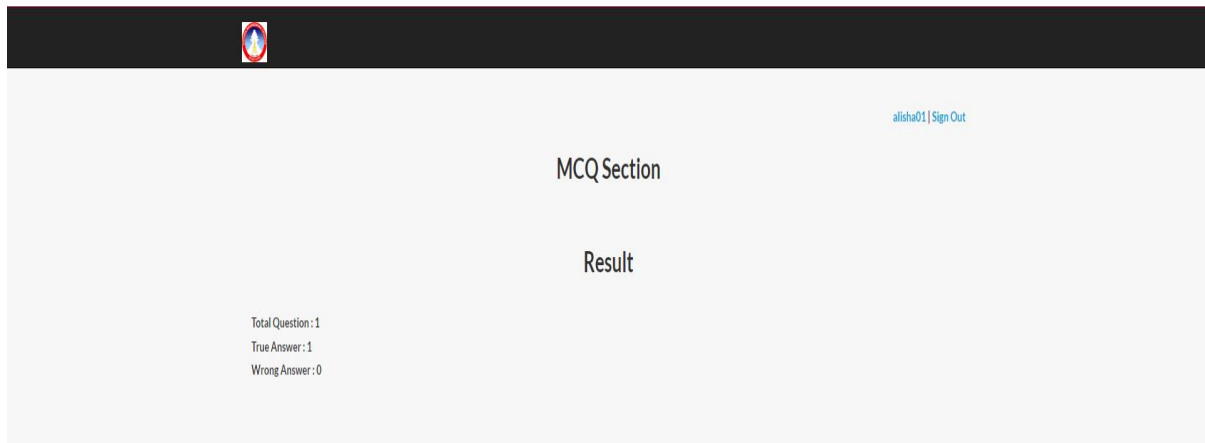## 5.1.11 MCQ Section

Fig 5.1.11 MCQ Section

5.1.12 Results

Fig 5.1.12 Results

5.2 REMAINING WORK

Some of the works remained to perform are:

● Time Scheduling by admin

● Addition of time limit

● View Overall Result

● Add Old Question Bank

REFERENCES

1. https://www.eklavvya.com/blog/online-examination-system/   Accessed on (08/01/2024)
2. https://chat.openai.com/   Accessed on (08/01/2024)