

# **QuizKTC – A Proctoring based Quiz Taking Web Application exclusively for AIKTC**

Submitted to

**University of Mumbai**

Submitted in partial fulfillment of the requirements of the degree

**B.E.**

**Electronics and Computer Science Engineering**

By

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**Department of Electronics and Computer Science Engineering**

**Anjuman-I-Islam's Kalsekar Technical Campus**

**School of Engineering and Technology**

Plot No. 2 & 3, Sector-16, Near Thana Naka, Khanda Gaon,  
New Panvel, Navi Mumbai. 410206

**October 2024**



## **Anjuman-I-Islam's Kalsekar Technical Campus**

### **School of Engineering and Technology**

Plot No. 2 & 3, Sector-16, Near Thana Naka, Khanda Gaon,  
New Panvel, Navi Mumbai. 410206

## **Certificate**

This is to certify that, the Mini Project – 1A entitled

### **“QuizKTC – A Proctoring based Quiz taking Web Application exclusively for AIKTC”**

is a bonafide work done by

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and is submitted in the partial fulfillment of the requirement for the  
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### **Bachelor of Engineering in**

### **Electronics and Computer Science Engineering**

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### **University of Mumbai**



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Supervisor  
**(Prof.Gnanasekaran)**

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Project Coordinator  
**(Mr. Muhammed Ismaeel)**

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Head of Department  
**(Prof. Bandanawaz Kotiyal)**

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Dean (SoET)  
**(Dr. Rajendra Magar)**

### 3.3 System Design

This chapter concentrates on detailed explanation of the approach followed in solving this problem. Object based design, all modules, their functioning, techniques / methods / algorithms, their relations with other modules, interactive parameters between the modules, databases, database relations, the platforms you propose to use, etc., need to be explained in detail in this chapter.

Question	
PK	Question ID
FK1	Quiz
Columns	Question Choice 1 Choice 2 Choice 3 Choice 4 correct_option marks

**3.3.1 Database Diagram for Question Table**

Answer	
PK	Answer ID
FK1	Quiz ID Quesiton ID
Column	Answer IsCorrect marks

**3.3.2 Database Diagram for Answer Table**

Quiz Submitted	
PK	ID
FK1	Quiz ID Usersubmitted
Column	score

**3.3.3 Database Diagram for Quiz Submitted Table**

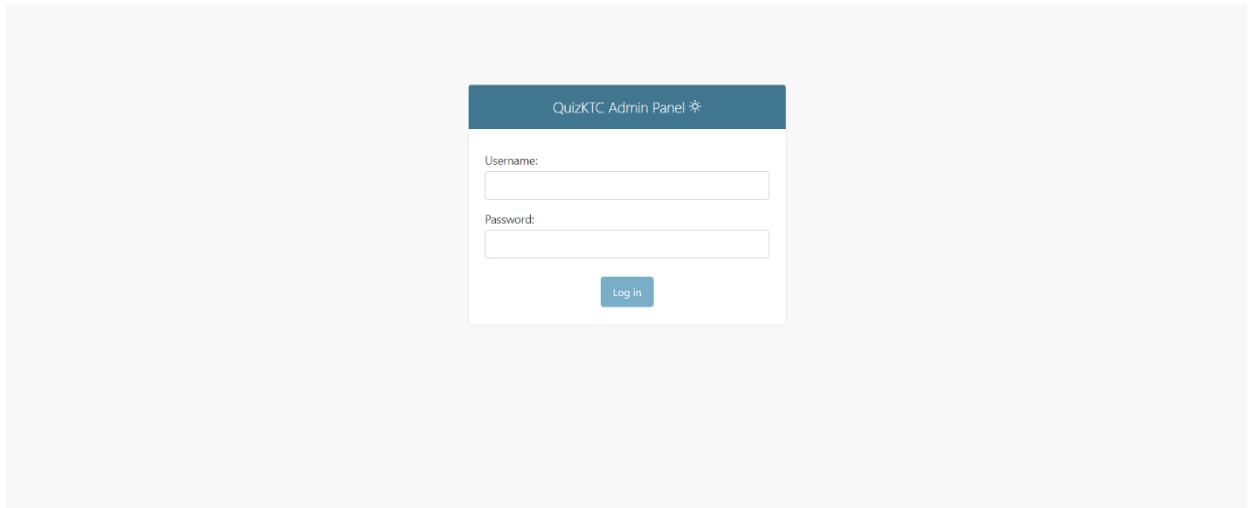
Quiz	
PK	Quiz ID
	Quiz Name
Column	Quiz Desc
	Score

**3.3.4 Database Diagram for Quiz Table**

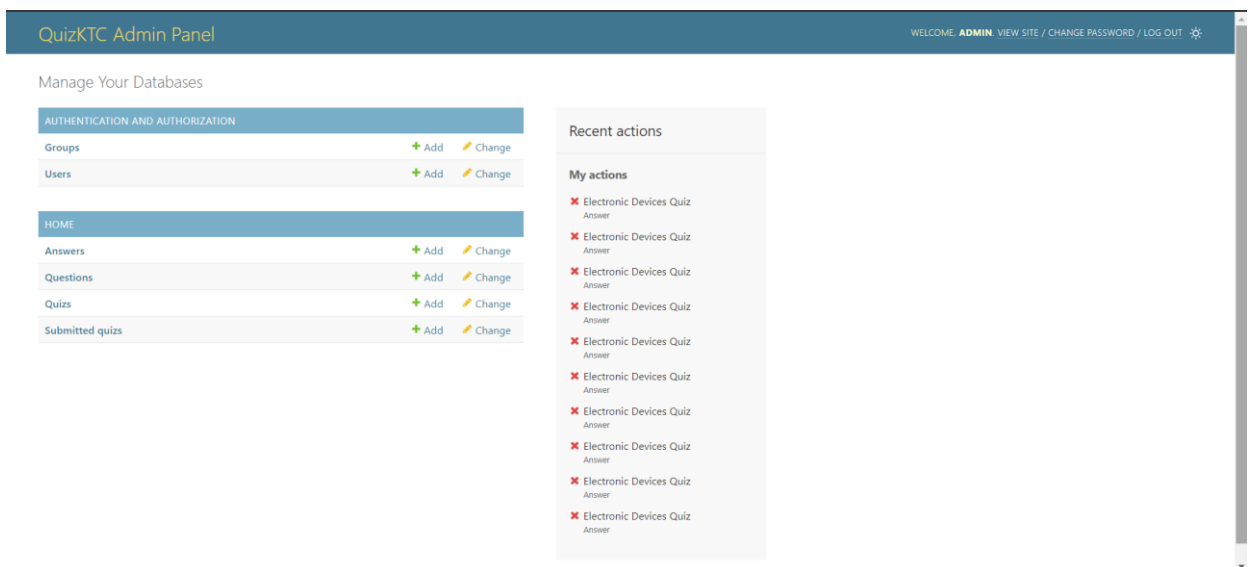
## 3.4 Details of Software Requirements.

### **Software Requirements :**

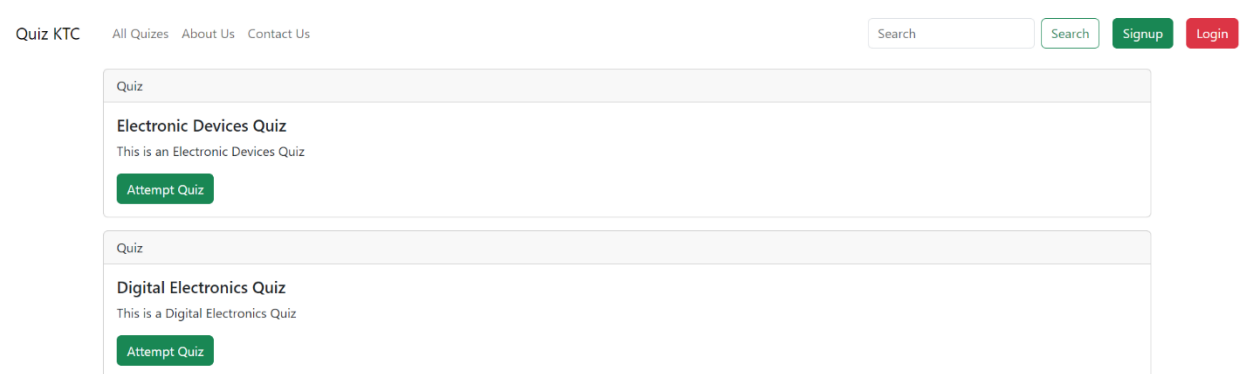
- Frontend: HTML, CSS, JavaScript (or frameworks like React/Vue).
- Backend: A server-side language such as Python (Django/Flask) or Node.js.
- Database: MySQL or MongoDB for data storage.
- Proctoring Tools: Integration of third-party eye-tracking software and custom scripts for tab-switching detection.



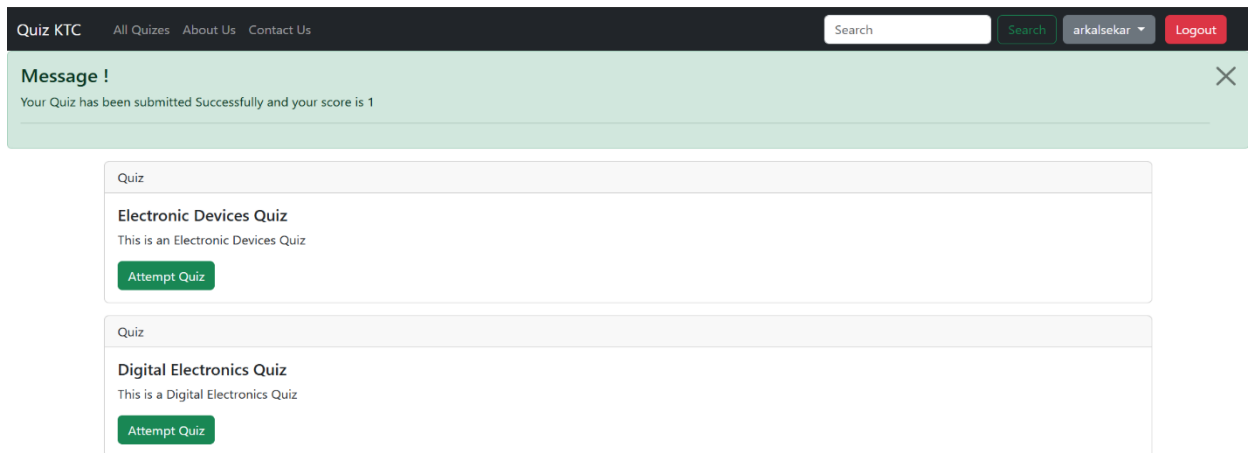
### 4.2.1 Admin Login Panel



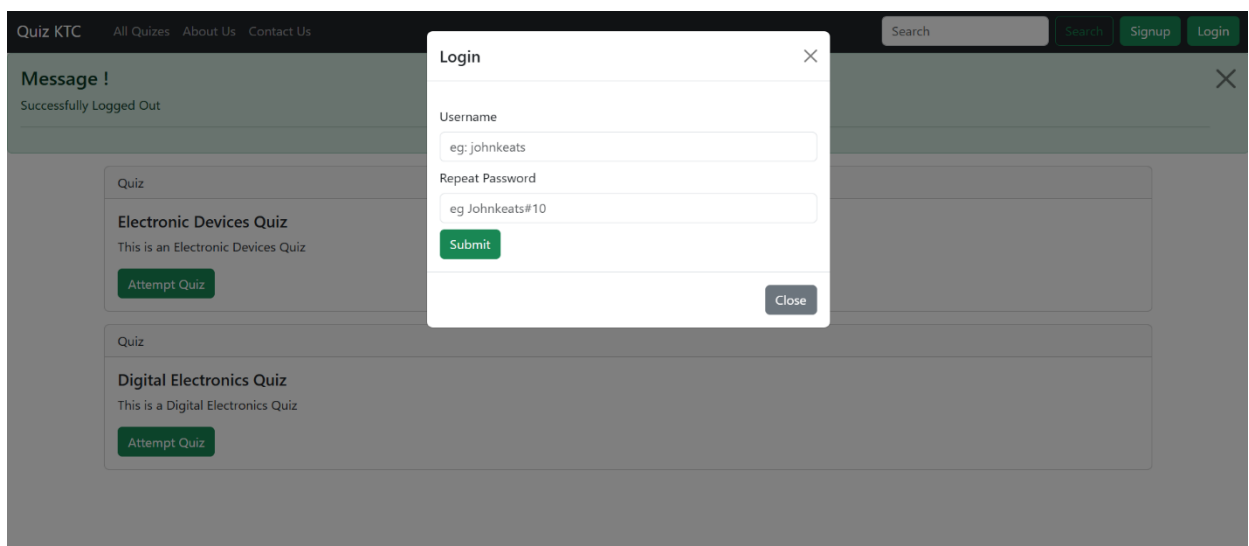
### 4.2.2 Admin Login Dashboard



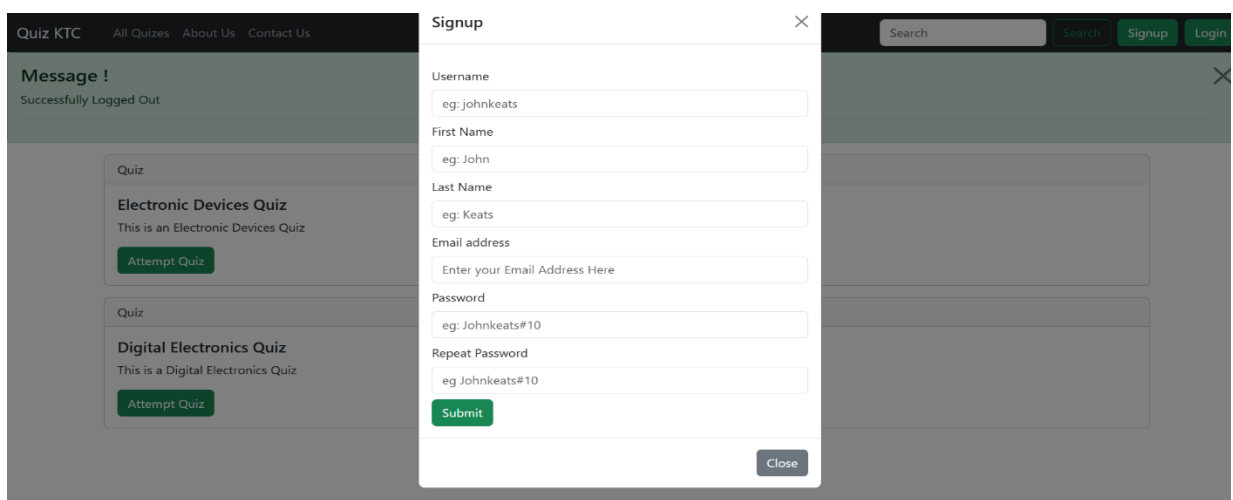
### 4.2.3 Quiz Home Page



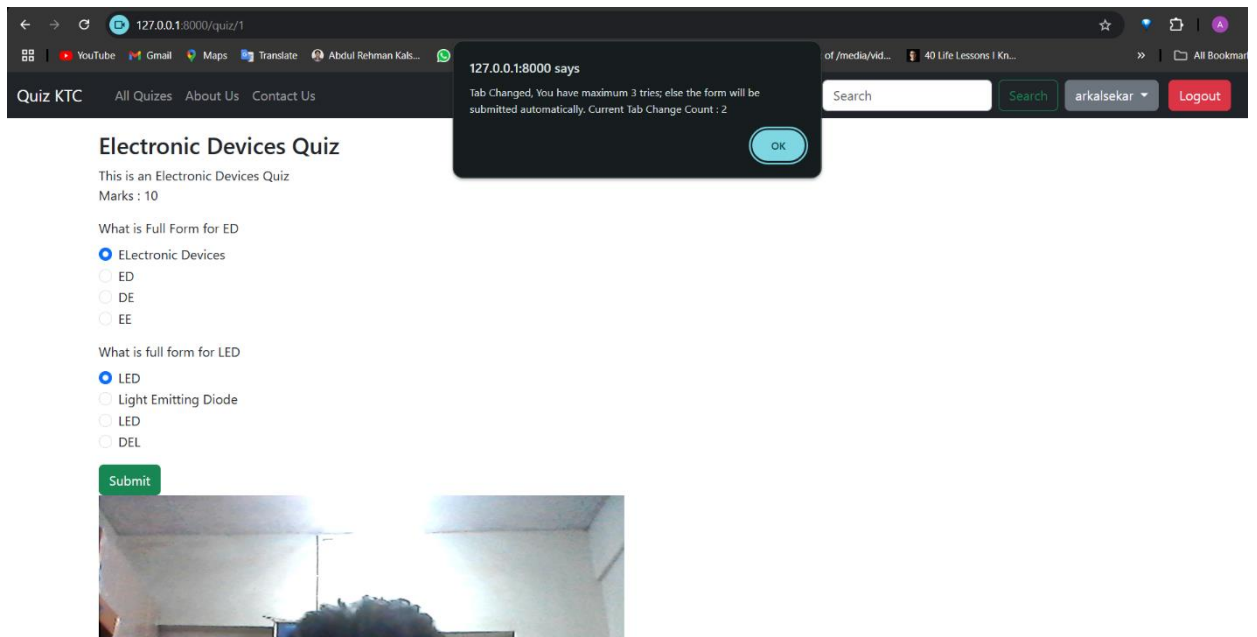
## 4.2.4 All Quizzes Page



## 4.2.5 Login Panel



## 4.2.6 Signup Page



#### 4.2.7 Warning about tab / application switch