English Language Lab

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Abstract: *At the first year of students in diploma, they have ENGLISH subject to study. The most commonly used medium to express oneself is language. First-year college students can face a variety of challenges when it comes to learning practical English. So we have developed this software for the students because of this they learn the English language in better way. We have converted all there manual practicals in online so they don't need to do any written work. And it is easy to use so the faculty can teach directly using the software.*

Keywords: English Language Lab, Online Practical, Phonetics

I. INTRODUCTION

Language Lab software is a classroom based solution which will be installed on the computer in classroom and the content can be accessible in the respective classroom system. English Language becomes the default option for communication as it is spoken and understood across the global. Hence making it a good companion for travel enthusiasts. While proficient English-speaking skills appeals your resume and it can boost hiring potential. A recent survey by LinkedIn stated that CEOs and HR Directors prefer English speaking employees over other languages.

English Language is not the first language for many Indians and it's a language ought to be learned. It is only taught in few English medium schools across the country; hence, a huge chunk of population never got the opportunity to learn English language..

II. NEED OF PROJECT

This software is so useful for polytechnic Institutes for teaching the English subject to first year students. There are some rubrics that must to be considered to make this software valuable:

1. Reduce the work for Teachers and Students.
2. Improving Communication Skills: The lab provides a platform for students to practice speaking and listening, improving their overall communication skills in English.
3. Enhancing Pronunciation: Through audio-visual aids and exercises, students can work on their pronunciation and intonation.
4. Building Vocabulary: Practical sessions can help students expand their vocabulary by introducing new words and phrases in context.

III. PROBLEM DEFINITION

A teacher teaches a class of around 30 students in a 02-Hours-long period. Each student gets very less time to practice speaking English in one class. While the teacher is burdened with finishing a large syllabus in short time, she is unable to provide with the needs of each child. The teacher has better tools to manage the classroom and observe each individual student. Language teachers can intervene and control the learners' computers, join into group discussions, listen to each individual student, track of learners' work, etc. It allows important self-evaluation for students. Students can record their own voice and play back the recordings, interact with each other and the teacher, and store their results and recordings. This collaborative nature usually increases students' motivation and their learning experience

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IV. METHODOLOGY TO SOLVE THE PROBLEM

[1] Define Requirements: Clearly define the objectives and requirements of the language lab, including the specific features and functionality.

[2] Design Database: Design a database schema to store user information, lesson content, exercises, and other relevant data.

[3] User Authentication: Implement user authentication and authorization to ensure that only authorized users can access the lab.

[4] Content Management System: Develop a content management system (CMS) to manage lesson content, exercises, and multimedia resources.

[5] Lesson Delivery: Create a module to deliver lessons, including reading materials, audio/video resources, and interactive exercises.

[6] Language Skills Practice: Develop modules for practicing reading, writing, listening, and speaking skills, with exercises tailored to each skill.

[7] Grammar and Vocabulary: Include modules for practicing grammar rules and expanding vocabulary, with interactive exercises and quizzes.

[8] Pronunciation Practice: Implement modules for practicing pronunciation and intonation, with audio recording and playback features.

[9] Feedback and Assessment: Include features for providing feedback on exercises and assessments to track student progress.

[10] Real-time Communication: Implement features for real-time communication,

V. SYSTEM REQUIREMENTS AND SOFTWARE REQUIREMENT

System Requirement

- Computer specification: I3 6 Gen Minimum 2GB ram
- Windows version: Windows 7 or above

Software Requirement

- Operating System: Windows, Linux
- Programming Software: Visual Studio 2012
- Database: SQL Server Management Studio [SSMS]
- Programming Language: ASP.net

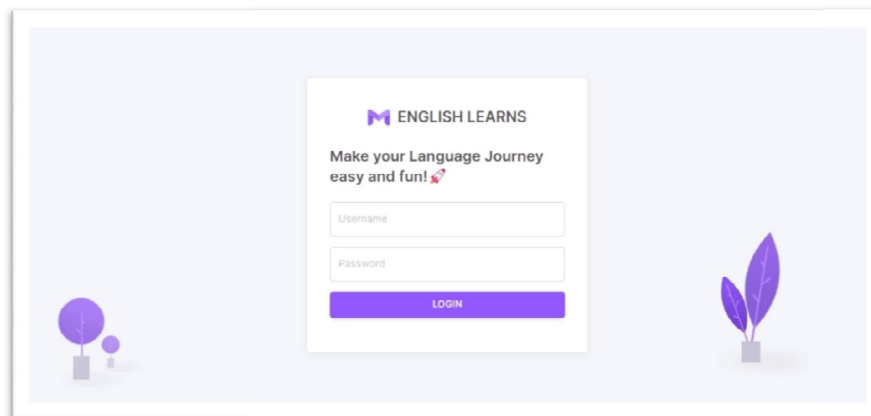## VI. SYSTEM ARCHITECTURE

Figure 6.1: Login page for Student

The above Figure[7.1] shows login window of application. By using his/her username and password user can login to the system.
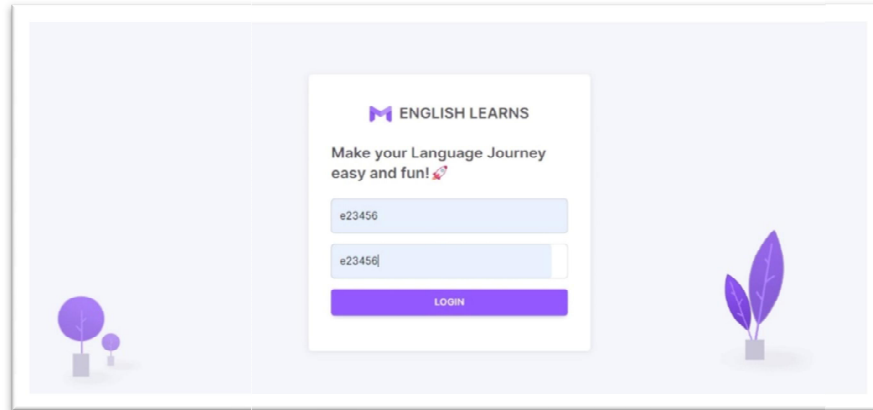

Figure 6.2: Login page for Teacher

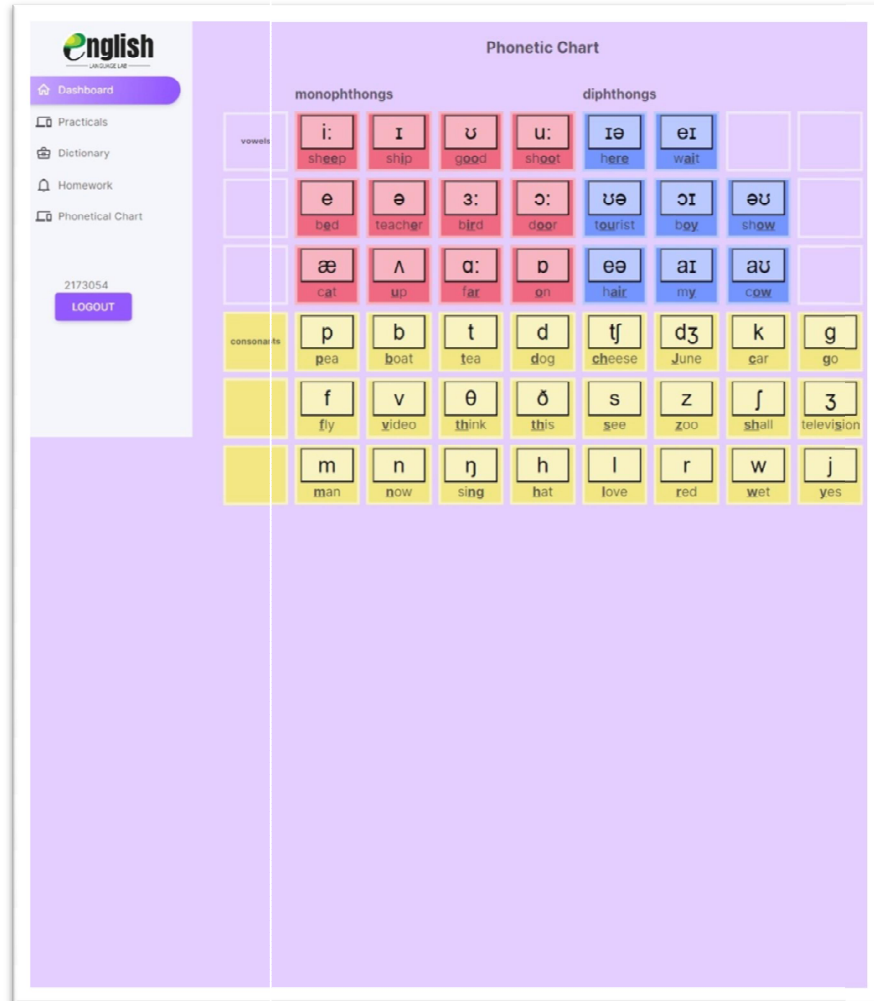Figure 6.3 Homework upload from student

Figure 7.4: Phonetic Chart

VII. CONCLUSION

In conclusion, an English language lab is a valuable tool for enhancing language learning and teaching. By providing interactive and engaging exercises, the lab helps students improve their communication skills, pronunciation, vocabulary, grammar, reading, and writing skills. It also fosters cultural understanding and prepares students for real-life communication situations. The lab's multimedia resources, interactive tools, and personalized learning experiences create a dynamic and effective learning environment. Overall, an English language lab with practical content is a versatile and essential resource for language learners and teachers alike.

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