

PROJECT OVERVIEW*****

In the era of Science and technology everything is evolving at a rapid pace including the department of education e- learning has evolved to website and mobile applications which make ease for the students learning where schools and colleges are limited and quality of education is not good. International platforms like coursea and khan academy covers an audience of international students. That said, there are no dedicated platform for the students of Pakistan, especially in the province of Sindh. There are youtube, and whatsapp groups but those are inconsistent and don't cover a huge part of the courses taught in school. There is a need for an online learning platform which is engineered to cater the education of the Sindh Board curriculum. This platform facilitates both the teachers providing their expertise and the student using the platform to avail those expertise. Educators can offer students high quality syllabus-aligned instruction regardless of their city or rural location. This project solves their problem by providing a localized tutoring platform which gives them proper guidelines

ABSTRACT:

Students have been facing problems in the online learning space due to the absence of a platform that covers the Sindh Board Curriculum. This project, "LEARNITY" solves this problem by providing students a platform that is focused on delivering dedicated courses and education which are aligned with the curriculum of Sindh which makes learning smart and hassle-free.

Learnity is designed to facilitate and build a direct connection between the subject specialist and student. Once a student registers on the website, he/she select courses of their own choice and start learning. Teachers also register on the website and offer student courses of their specialty, teacher are ranked based on their performance and teaching expertise. This project will also help with collaborative learning

The role of the administrator is that he/she will have full access of website and be able to access user data, control information between teachers and students, check profiles for errors and bugs, and supervise the system to ensure the safety of user data.

INTRODUCTION

The educational department in Pakistan, especially in the province of Sindh, there is a need for an e-learning platform because most of the students today learn through online courses and material available on the internet, which gives them a huge advantage when compared to other entities and schools. While international platforms like Khan Academy and Coursera provide digital learning, they differ from the local education in Sindh, and are built for an international audience; even most of the e-learning platforms in Pakistan are focused on O-level studies and higher education. This has resulted in a gap where students of Sindh, from grades 1 to 12, do not have a digital platform that meets their board requirements.

Currently, the current state of affairs, where the lack of consistency in tools such as WhatsApp and YouTube has brought to the fore the need for a more organized and role-specific web service, has been addressed by this project, which is a localized tutoring website, and aims to fill this gap by providing a platform for teachers and students from various cities and rural areas of the province to connect. Through the provision of a “side” networked to the Sindh Board curriculum, this website enables teachers to utilize their knowledge and students to continue their education with complete guidance.

OBJECTIVES

The main aim of this study is to develop a localized web-based tutoring system specifically designed and developed for the students and teachers of the Sindh province.

To accomplish the main objective, the following specific objectives have been set:

To Develop a Centralized Resource Hub: To develop a system that enables students to easily access Sindh Board-compatible learning resources, study notes, and academic notifications in one centralized location

.To Facilitate Remote Tutoring: To develop a system that enables a digital space for teachers and students from different cities to interact for online learning, thereby overcoming the geographical constraints of a conventional school.

To Streamline Academic Management: To develop a system that enables automated management of assignments, course timetables, and student performance, which were previously managed manually.

To Enable Teacher Monetization: To develop a system that enables a secure platform for qualified teachers to monetize their knowledge and receive payment for their courses.

To Improve Learning Flexibility: To develop a system that enables quality education to be accessible to students in both urban and rural Sindh through an intuitive web-based interface.

SCOPE

The scope of Learnity is to provide an e-learning platform specifically designed for the Sindh Board curriculum from Grade 1 to 12, where students and teachers can make accounts to interact with syllabus-aligned courses and video lectures. The platform have responsive web and Android-based interface. The teachers are empowered to manage their own specialized study materials and monetize their courses, while the students are able to access the study materials, participate in quizzes, and attend live classes. Additionally, the system is made for collaborative learning with chats, comments, and discussion forums that enable effective communication between teachers and students regardless of their location.