

The Ed-Tech Platform

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Abstract: *Education Technology (Ed-Tech) is revolutionizing the way we learn, teach, and engage with knowledge. This abstract encapsulates the transformative essence of EdTech, a dynamic field that harnesses technology to enhance education. Ed-Tech seamlessly integrates digital tools, online platforms, and interactive resources into the traditional learning environment. It democratizes education, making it accessible to learners of all ages and backgrounds. Through personalized learning pathways, students can engage with content at their own pace, and educators can tailor their teaching to individual needs. Feedback mechanisms in Ed-Tech empower educators to track progress and adapt instructional strategies. The abstractness of time and space, breaking down geographical barriers and fostering global collaboration. Ed-Tech is not a replacement for traditional education but a powerful complement, offering new possibilities for blended and hybrid learning models. As we navigate the digital age, Ed-Tech opens doors to a world of possibilities, creating a more engaging, inclusive, and effective learning environment.*

Keywords: Education Technology, Ed-Tech, Feedback, Revolutionize, Global Collaboration, Personalized Learning

I. INTRODUCTION

In the digital age, Educational Technology, or EdTech, stands at the forefront of transforming the way we learn. It's not just about technology; it's a dynamic blend of cutting-edge components, smart educational strategies, and engaging user interactions that pave the way for a seamless learning journey. Picture a world where students absorb knowledge effortlessly, where education becomes an exciting adventure rather than a daunting task. This report explores the captivating realm of EdTech and its role in creating effective learning experiences. Join us as we delve into the captivating world of EdTech, where education becomes not only simple but irresistibly attractive, enhancing the way students grasp knowledge.

II. LITERATURE SURVEY

A literature survey for, the EdTech platform, would involve reviewing existing research, articles, and publications related to educational technology, online learning platforms, and similar topics. Here's an outline for conducting a literature survey.

Design of a Web-based Personalized E-learning Platform:

Abstract:

It is important to carry out the distant learning especially in the COVID-19 period when most of schools have to close down. Therefore, a Web-based personalized e-learning platform is presented to satisfy the requests of the middle school student. Firstly, the features of the learner's needs for e-learning are analysed as the base of the platform. Secondly a novel architecture is proposed that describes the components necessary for the distribution of courses and knowledge in Internet. Thirdly the design of the platform is enabled by the real time collaboration system, multimedia transmission and knowledge repository to help the middle school student study in their own natural ways such as gaming and blogging with friends from interests. The experiment results show that the designed e-learning platform can improve the performance of network throughput and the learner's satisfactory level

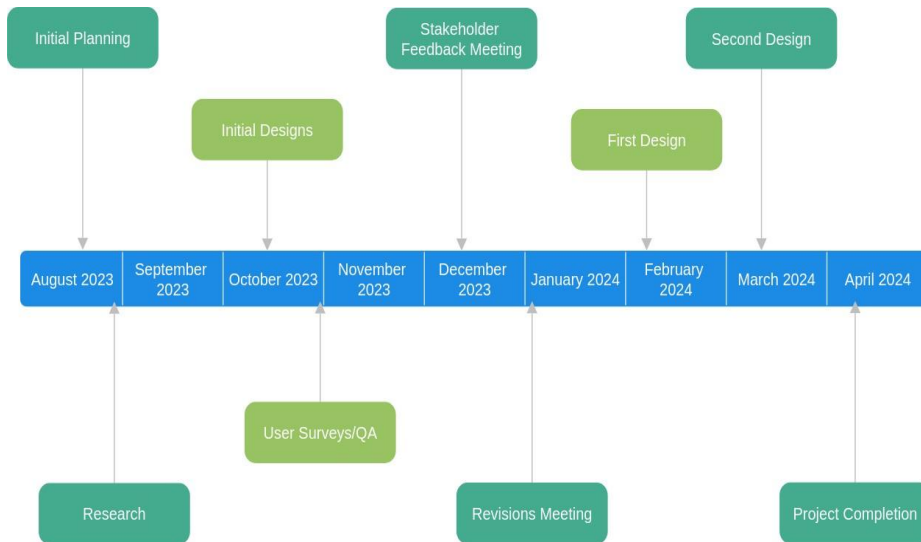
[1] **Design webbased personalized E-learning Platform**-Design webbased personalized E-learning Platform

Design E-learning platform can improve the performance of throughput and the learning satisfactory.

Author-Chengfeng Xue,Xiting Zeng. **Year**-2020.

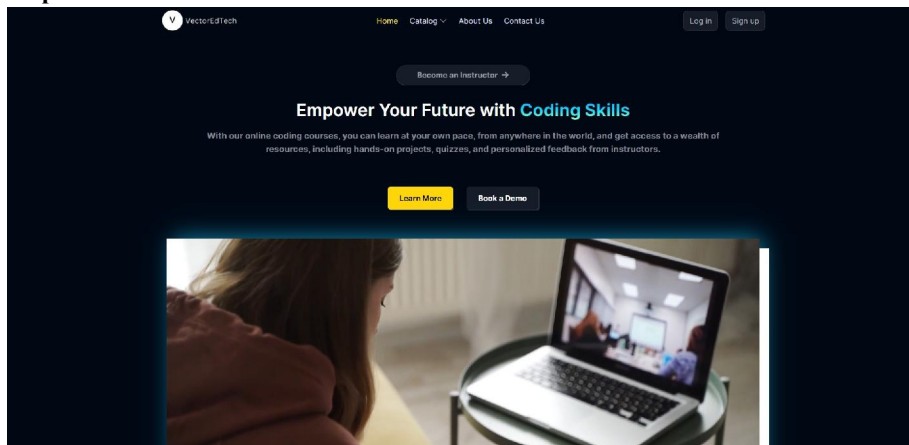
- Logging and Monitoring: Monitor system health, performance, and user interactions. - Log errors and issues for debugging and maintenance.
- Termination and Logout: User logs out or session times out. - Clear session data and ensure secure logout.

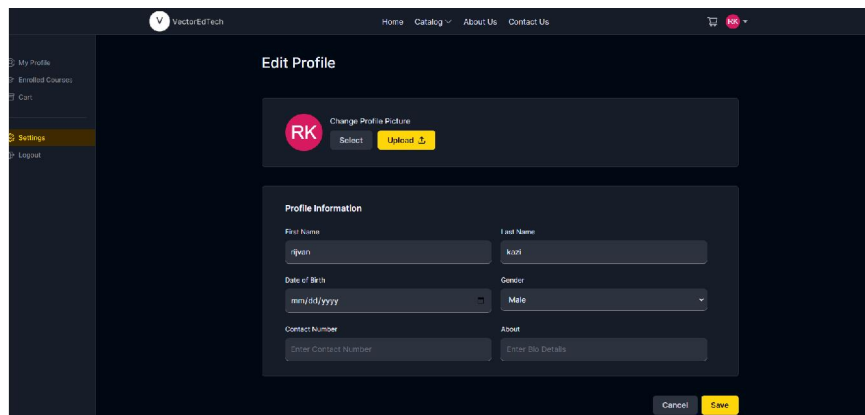
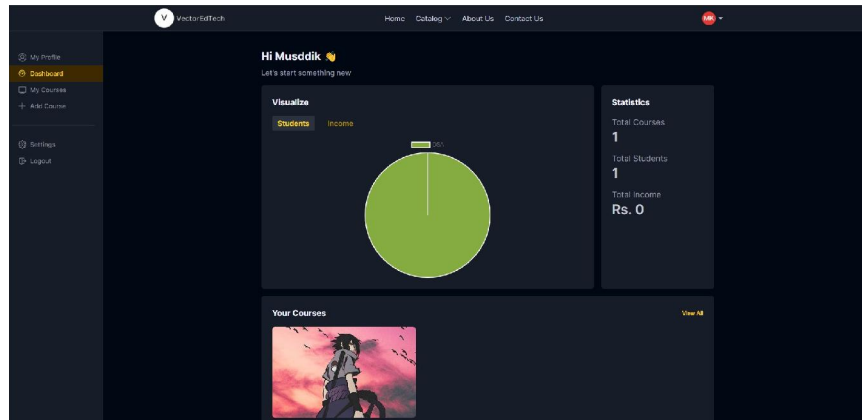
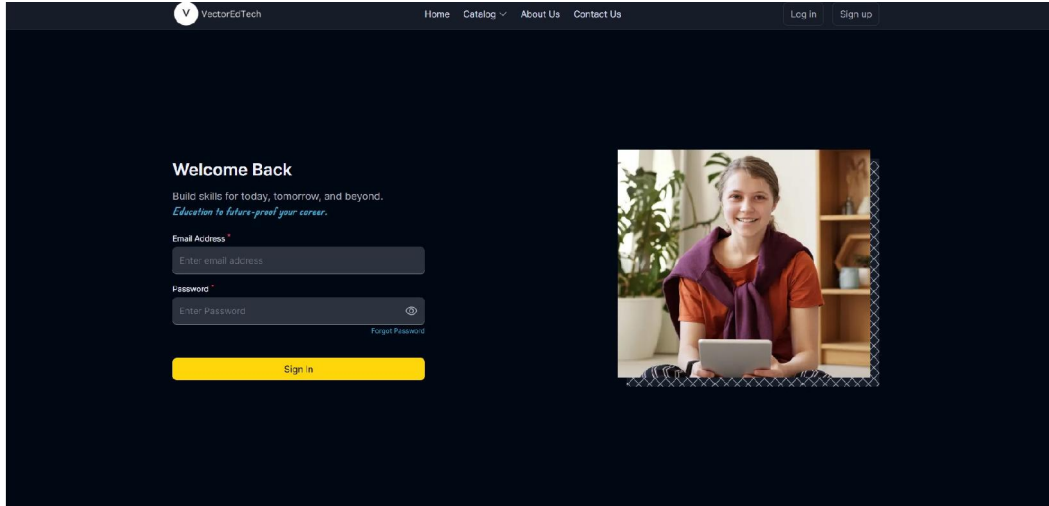
Timeline chart

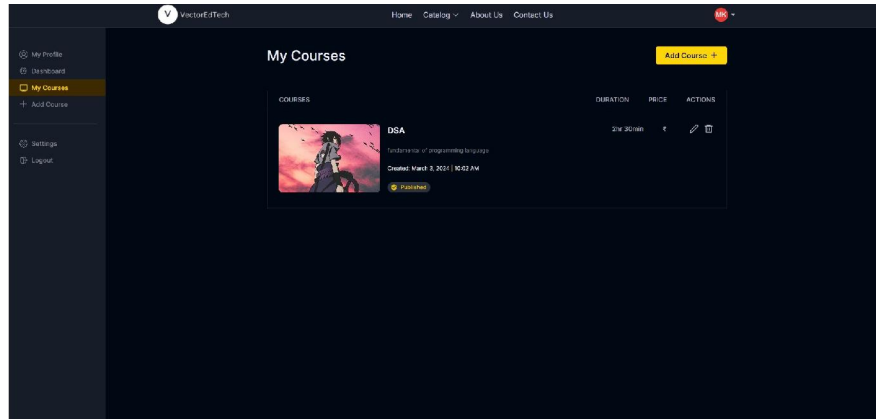


OUTCOME: The successful development and deployment of the EdTech platform represents a significant milestone in advancing the field of educational technology. By leveraging innovative technologies and pedagogical approaches, it has the potential to transform traditional learning paradigms and empower educators and students to achieve their full potential in the digital age. It provides a user-friendly interface that promotes intuitive navigation and accessibility for users of all proficiency levels. Interactive features such as multimedia content integration, discussion forums, and virtual classrooms facilitate dynamic and engaging learning experiences. Personalized learning pathways and adaptive assessment tools empower educators to tailor instruction to individual student needs, promoting academic success and skill mastery.

Some project snapshot:-







V. CONCLUSION

The successful development and deployment of the EdTech platform represents a significant milestone in advancing the field of educational technology. By leveraging innovative technologies and pedagogical approaches, EdTech has the potential to transform traditional learning paradigms and empower educators and students to achieve their full potential in the digital age.

VI. FUTURE SCOPE

Reward Based learning for more interactive user experience
E - certification after completion of course
Mobile Application.

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