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Online Learning Management System with Video Conferencing

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Abstract: Education is an important tool to foster progress as an enormous community. In this research paper we discuss implementation of a Learning Management System which can be capable of providing quality education eliminating all sorts of physical confinements and provide incredible quality education to cater needs of students worldwide. This online based LMS will ensure that students will be able to study at their own pace and have a sustainable schedule. Since every one of us is wired differently, the perspective to observe each student should be different and that is precisely what we feel should be the cornerstone in development of any Learning Management System. The most important objectives of a LMS deal with providing cost effective pedagogy schematics and understanding the most efficient ways to deliver education to all sorts of learners worldwide keeping in mind that everyone has different needs and possibly should be handled in a unique way.

Keywords: Online, Learning, Video-conferencing, Education

REFERENCES

- [1]. Alkhasawnh, S., & Alqahtani, M. A. M. (2019). Fostering students' self-regulated learning through using a learning management system to enhance academic outcomes at the university of bisha. TEM Journal, 8(2), 662-669. doi:10.18421/TEM82-47
- [2]. Vonderwell, S. (2003). An examination of asynchronous communication experiences and perspectives of students in an online course: A case study. The Internet and higher education, 6(1), 77-90.
- [3]. E. André, N. Le Breton, A. Lemesle, L. Roux and A. Gouaillard, "Comparative Study of WebRTC Open Source SFUs for Video Conferencing," 2018 Principles, Systems and Applications of IP Telecommunications (IPTComm), 2018, pp. 1-8, doi:10.1109/IPTCOMM.2018.8567642.
- [4]. "Mediasoup," mediasoup. [Online]. Available: https://mediasoup.org/.
- [5]. "Glossary," Mediasoup. [Online]. Available: https://mediasoup.org/documentation/v2/glossary/
- [6]. "WebRTC Home," WebRTC. [Online]. Available: https://webrtc.org/.
- [7]. "What are STUN, TURN, and ICE?" Twilio. [Online]. Available: https://www.twilio.com/docs/stun-turn/faq
- [8]. "Signaling and video calling," MDN Web Docs. [Online]. Available: https://developer.mozilla.org/enUS/docs/Web/API/WebRTC_API/Signaling_and_video_calling.
- [9]. Adzharuddin, Nor. (2013). Learning Management System (LMS) among University Students: Does It Work?. International Journal of e-Education, e-Business, e-Management and e-Learning. 10.7763/IJEEEE.2013.V3.233.

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