Auto-Generated E-Learning Website (E-Learn)

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Abstract: *The Auto-Generated E-Learning Website is a user-friendly platform designed to streamline the process of creating and managing online educational content. By utilizing the provided video links or allowing users to upload their own videos, as well as offering options for notes through links or file uploads, the website automates the generation of interactive e-learning materials. The website aims to enhance the learning experience by combining various multimedia resources into a single, comprehensive platform. Users can easily provide the total duration of the video content they wish to include. The system automatically processes the video, extracting key information such as timestamps, subtitles, and chapter divisions. This information is then used to create an intuitive navigation system, allowing learners to easily navigate and access specific sections of the video content.Additionally, users have the option to provide notes related to the video content. These notes can be in the form of links to external resources or uploaded files such as PDFs or Word documents. The website automatically associates the notes with relevant sections of the video, providing learners with contextual information and supplementary materials.The Auto-Generated E-Learning Website significantly reduces the time and effort required to create interactive e-learning materials. By automating the extraction of relevant information from videos and seamlessly integrating notes, the platform ensures a more engaging and efficient learning experience for students. Educators and content creators can focus on creating high-quality content, while the website handles the technical aspects of presentation and organization.*

Keywords: auto-generation, e-learning, video integration, notes integration, multimedia resources, interactive materials, learning experience, content creation, navigation system

REFERENCES

[1]. G. Fischer, "User Modelling in Human–Computer Interaction," User Model. User-Adapt. Interact., vol. 11, no. 1–2, pp. 65–86, Mar. 2001.

[2]. Learning Management System (LMS) Concept [Link: https://en.wikipedia.org/wiki/Learning_management_system]

[3]. MERN Stack Tutorial: A comprehensive tutorial that demonstrates how to build a web application using the MERN stack,[Link: https://www.mongodb.com/languages/mern-stack-tutorial]