

South Asian University
Faculty of Engineering and Technology
Department of Computer Science and Engineering
B. Tech. CSE – Semester 2
CSE – 106: Fundamentals of Web Design
Course Project Proposal

Title: SAU Hybrid Learning Management System

Project members:

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Problem Statement:

Compilation of Student Records like courses, personal information, events, resources in one place and to personalize learning and collaboration.

Project Abstract:

The project aims to create a web-hosted “hybrid” Learning Management System that is a one-stop place for the management of courses, attendance, resources, announcements and events held at SAU, with personalized student profiles and message boards, utilizing APIs and AI integration.

Introduction:

SAU “Hybrid” Learning Management System (LMS) is a web-hosted software that allows students and professors of various branches at SAU to manage their course details such as Time Table, Attendance, Resources, etc., collaborate with peers via message boards and unique profiles and provide regular feedback to professors via in-built feedback system or supported Padlet linking. The LMS allows for students to plan out their personal learning goals via the Planner system, which can support multiple-user collaboration. The ‘Hybrid’ aspect of the LMS aims to target the existing “One size fits all” nature of LMS by personalizing student experience via profiles containing custom banners, backgrounds, profile borders and other stylistic elements and a modern UI. Apart from the mentioned features, the LMS will also contain other essential elements that makes up a Learning Management System that will aid professors in their teaching and students to organize their information effectively at one place and increase transparency and connectivity.

Front-end Tech Stack:

HTML (Structure/Skeleton of the LMS) → CSS (Styling of the LMS and interactive elements) → JavaScript (Automation of interactive elements like message boards, profile elements, etc.) → GitHub (Hosting and Deployment)

Target Audience: Professors and Students of SAU

Related Works:

Edmodo, Schoology, MUJStella (It is not an LMS, but a student companion app for students of Manipal University, Jaipur that explains the Hybrid aspect of the project)

Expected Outcome:

- Complete Front-end functioning of elements of the LMS website
- Established elements involving external-linking and internal-linking such as Padlet, mail anchors, etc.
- Stable front-end foundation for future back-end expansion and complete implementation

References:

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