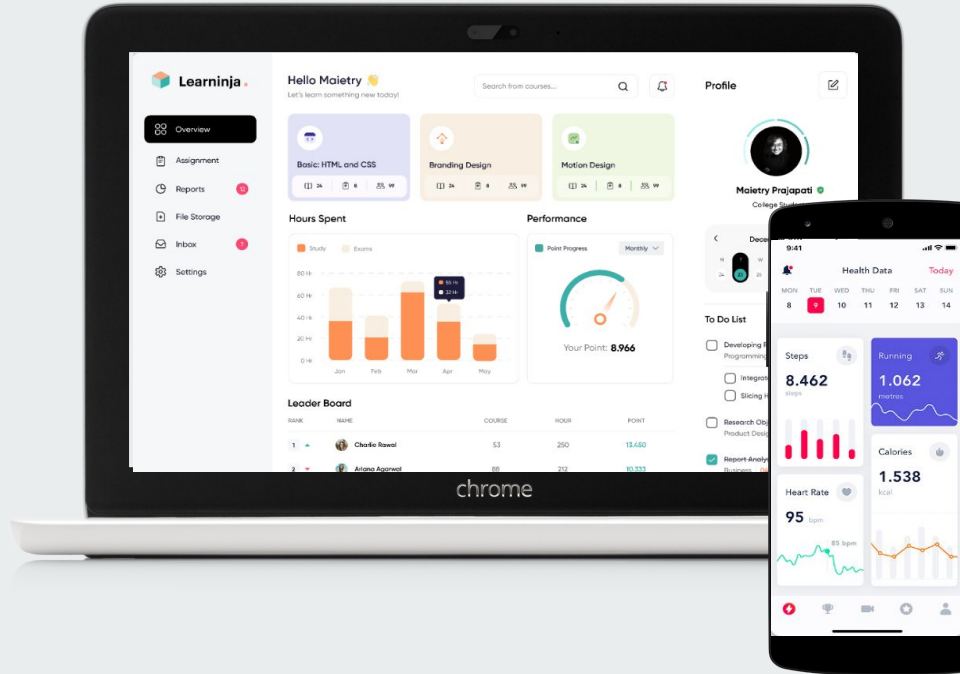


paper-pulse

"Creating a single system for universities to efficiently gather accreditation data from NAAC, AISHE, and NBA."



The Problem

- Higher education institutions are subject to a number of accreditation and assessment procedures, such as those administered by the **National Board of Accreditation (NBA)**, **All India Survey on Higher Education (AISHE)**, and **National Assessment and Accreditation Council (NAAC)**.
- Universities are required by each of these processes to submit comprehensive data on a range of operational elements, including as facilities, academic programs, faculty qualifications, student demographics, and research output.
- But collecting and arranging the data needed for these accreditation and assessment procedures can be difficult for universities. Different accrediting bodies may use different formats and methods for gathering data, which could result in redundant work and ineffective data management, in-turn reducing the efficiency and the ability to analyse the collected data.

Solution description



Our proposed solution involves the development of a unified platform that integrates accredited data from various accreditation bodies such as the NAAC, AISHE and NBA. This platform will serve as a centralized repository for academic information, providing students and academic communities with easy access to comprehensive university data.

In addition to offering accredited data, the platform will allow students to contribute their research papers by writing and uploading them directly to the website. This feature encourages knowledge sharing and collaboration among students and community members. Moreover, users will have the opportunity to access research papers authored by other students and community members.

By consolidating accredited data and facilitating the exchange of research papers, our framework aims to streamline information dissemination within the academic community, promote collaboration, and enhance the overall quality of education and research outcomes.

TypeScript: A statically typed superset of JavaScript.

TailwindCSS: Utility-first CSS framework for rapid development.

GraphQL: A query language for APIs.



Vite: A fast build tool for web development.



drag & drop toolkit for React.

Clerk: Identity and user management platform.



Beautifully designed components

Prisma: Modern database access toolkit.



PlanetScale: A database platform for building and scaling applications on MySQL.

Simplify file uploads



Recharts: A composable charting library built with React and D3.

Stripe: Payment processing platform for online businesses.



React: A JavaScript library for building user interfaces.

Next.js: A React framework for server-rendered React applications.

Features of paper-pulse

- Authentication:

Seamless onboarding with secure login and signup functionalities; robust password recovery ensures a smooth authentication experience, which allows efficient access to the user about all the information regarding a particular university or participant as provided by the **National Board of Accreditation (NBA)**, **All India Survey on Higher Education (AISHE)**, and **National Assessment and Accreditation Council (NAAC)**.

- Authorization:

Granular access control regulates user actions, maintaining data security and user permissions. It allows administrators to create access rights depending on a variety of criteria, such as user roles, individual identities, specific data properties, time of access, and location.

Some more appealing features....

- Home Page:

Dynamic home page showcases interactive charts for key metrics; real-time updates on activities, upcoming events and important insights, It facilitates users' quick and easy navigation of the website and helps them find the information they need.

- Student Page:

Complete CRUD for student management ; detailed profiles with add/edit functions, associated contacts/leads, pagination, and field-specific search.

- Kanban Board:

Collaborative board with real-time task updates; customization options include due dates, and multi- assignees, dynamically shifting tasks across dashboards.

Even more features....

- Research Paper Management

Interactive way to Browse & Filter Research Papers , Upload thumbnails, attachments and videos using Upload-Thing, Upload your own Research paper or buy someone else research paper. Whether they are researchers, academics, students, or industry professionals, they can easily discover, share, and access valuable research content while fostering collaboration and knowledge exchange within the community.



Timeline

