EDUCATIONAL WEBSITE DEVELOPMENT

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Websites serve as a location to provide information in a dynamic and user friendly manner. It's the modern version of posters and provide a way to build an online presence. Educational websites are developed by educational institutes to present users with information regarding their institute like faculty, notices, events, highlights, course structure, etc. It is designed for current students, faculty, alumni, and potential future students. In this project, we developed an educational website for Cluster Innovation Centre to replace the old website as it was outdated in terms of UI/UX.

Introduction

The old website had many issues whether it is about visual appearance or usability or development or security issues. Some major pain points are listed: Interface, Modern components, User Navigation, Data Representation, Adeptness, Security, Tech Stack, Exclusiveness, Data Management, Unnecessary Data
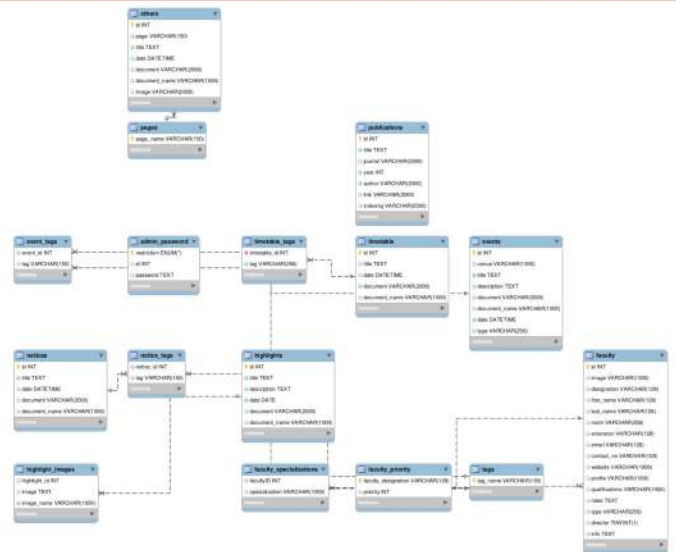

Tech Stack

Designing & Frontend

We created some different Low-Fidelity designs but after conducting usability tests with various people. We ended up for this

Backend Development

We developed an API which allows us to get, add, delete and update data on the database without directly interacting with the database server in order to keep our data safe.

To improve the loading time of our website, We converted our scripts into minified bundles, minimizing HTTP requests and converting all images from .jpg or .png to .webp.

Results and Conclusion

After multiple reviews and corrections, the website was developed and ready to be deployed. The amount of knowledge and experience that we gained through this project was immense. We learned many things like how to tailor a product for end user satisfaction, new technologies like pug, how to make a website responsive, Search Engine Optimization, deployment to a local server, etc.

References

[1] Anish Vijayan. Importance of having a quality website for your school/college.
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[3] 27 eye-opening website statistics: Is your website costing you clients?
[4] Miklos Philips. Know your user - ux statistics and insights (with infographic).
[5] Pug reference.