

The Registrar's Office Website

A website with **editable content** with the help of a **Content Management System (CMS)** portal with an **easy to use** interface.

Name: Kunal Maan

Role: Full Stack Developer

Department: Computer Science and Engineering

Roll No: 190101047

Year: 2nd

Webmail: kunal.maan@iitg.ac.in

Phone No: 9013256540

Project Brief

The last Registrar's Website of IIT Guwahati was just an old and simple page with very little frontend work.

The aim of the project was to make the website from scratch (both front-end and back-end) before the deadline.

The website was supposed to show the **role of the Registrar** of IIT Guwahati, the **current officials** in the Registrar's Office. It was supposed to have a separate portion for any **rules and regulations** issued by the office and other announcements (with **attached documents** functionality embedded). The office also wanted a **gallery carousel** with sliding photos of the institute and other main events on the top.

Almost all of the content was supposed to be editable by an **easy to access CMS Portal** for the admin of the website. Therefore we made sure that very little or no content was hard coded so that it can be easily edited from the CMS portal by the admin from the Office in the future.

Tech Stack

Backend: nodeJS, Express, Passport, mongoDB.

Frontend: HTML, CSS, TailwindCSS, jQuery, Javascript.

Duration

March 2021 - June 2021


My Work in the Project


First I worked on the back-end of the website.


1. I made all the models for every type of content on the website and added the routes for the pages.
2. I made the CMS portal front-end with HTML, CSS and taking the help of basic templates. Then I added the functionality for login and signup for the admin with the help of Passport.
3. Then I integrated the CMS portal to the back-end with the help of controllers thereby adding the admin upload functionality. I made separate controllers for every type of model.
4. The content cards for officials and rules were given a priority number by the admin during the addition of them in the CMS portal. This priority number defines the order in which every card would be shown on the front-end.
5. Then I contributed to the front end of the website by making the gallery carousel on the top of the website. The photos in the carousel were to be given by the admin through the portal.
6. I also helped my teammates in correcting the bugs in the front-end of the website.


The CMS Portal


REGOFF
ADMIN


 Admin


 Registrar

 Former Registrars

 Officials

 Rules and Links




 Gallery

 Contact Us

Hi, Kunal Maan Sign Out

Registrars

Add Past Registrars

NAME	POST	DATE	EDIT	DELETE
 Prof. Muhi Chandra Borgohain	Registrar	20.08.1996 - 30.09.2003	Edit	Delete
 Prof. Anil D Sahasrabudhe	Registrar	01.10.2003-29.04.2004	Edit	Delete
 Dr. Brajendra Nath Roy Choudhury	Registrar	30.04.2004 - 30.11.2014	Edit	Delete

The CMS Portal gave the admin the option to add, edit and delete the officials, past Registrars, current Registrar, rules and links, photos for the gallery and contact info. He was given an option to give the priority number for every entity while adding them in the form itself.




This is the sliding gallery carousel I made with arrows on the side to explore other photos. These photos were added by the admin himself on the CMS portal.

Officials



Tilak Das Senior Attendant
tilakdas@iitgernet.in +91 361 258 2020



Munmi Roy Choudhury Junior Assistant
munmiroy@iitgernet.in +91 361 258 2017, 258 2020



The Registrar
Former Registrars
Officials
Rules

The cards for each official are shown like this on the website. We have also given a navigation panel on the side of the website to navigate through the content. All this was done with TailwindCSS and custom CSS on top for further modifications.

Rules and Important Links

Admin Rules

This is the description of Admin rules. This is the description of Admin rules. This is the description of Admin rules.
8 May, 2021



F&A Rules

This is the description for F&A rules. This is the description for F&A rules. This is the description for F&A rules. This is the description for F&A rules.
8 May, 2021



The Registrar
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The rules and regulations section contained links to other webpages and documents. Every added entry showed the date below that represented when it was added by the admin.

My Learning Experience

As a Full Stack Developer I learned to build websites under deadlines. The whole website was designed to be user-friendly both for the admin and the viewers. We were quite successful in that. Managing the Product, Integration of the Front End with the Backend was a great experience.

I came to know about many wonderful front-end technologies like TailwindCSS. Needless to mention, this project has highlighted to me the importance of collaboration in development and teamwork.