Syntech x Krenovator Competition

Project Report

Project Title :

NextGen Academy

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1.0 Introduction

NextGen Academy website introduces the background of an imaginary tuition academy called 'NextGen Academy', which serves as a place to educate future generations about technology. We serve as an exclusive center that gives information about technology and enhances individual technology skills. The website is designed to serve as a hub for prospective students to explore course options and gain insight of the academy.

2.0 Project Objectives

1. To create a user – friendly website for NextGen Academy

2. To offer information about the academy through online platform

3. To allow users give feedback or ask queries direct to the academy

3.0 Website Features

1. Course Listings

2. Detailed information about the academy

3. Top Alumni Listings

4. Examination Countdown

5. Merchandise Listings

6. Testimonials from students

7. Feedback or queries form

8. Social media listings

4.0 Technologies Used

1. Frontend : HTML, CSS , JavaScript

2. Backend : Node.js

3. Feedback database : Formspree (online)

5.0 Research & Analysis

Before development, research was done on pre-existing academic websites which are Coursera and Khan Academy. From detailed analysis, this website has a back-dated design which is not relatively attractive for youth nowadays. Thus, the NextGen Academy website is built to set an example for other educational platforms to create a website that is not only minimalist and futuristic but also easy to access.

6.0 Challenges

1. Ensuring cross-browser compatibility and mobile responsiveness was a challenge, addressed by thorough testing on various devices and browsers.

2. Integrating a secure database for feedback form was very hard and challenging, addressed by using online database server call Formspree.

7.0 Features & Functionality

1. Home Page

- o **Functionality:** Displays academy name, with logo
- o **Interactive Elements:** Include button 'Visit Us to Know More' which will direct to the 'About Us' page that that will tell user about the background of NextGen Academy.
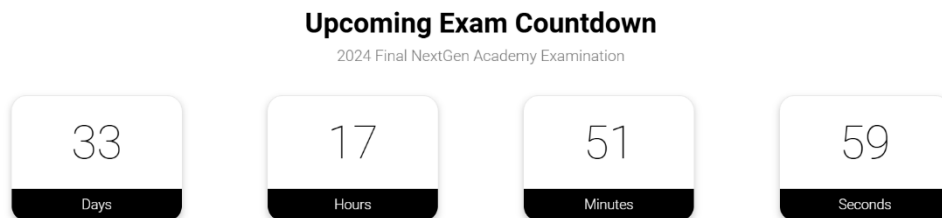
2. Menu

- o **Functionality:** Displays menu of home page, about us page, courses offered page, portal page and contact us page
- o **Interactive Elements:** Each word will be underlined with red line upon hovering towards the word.
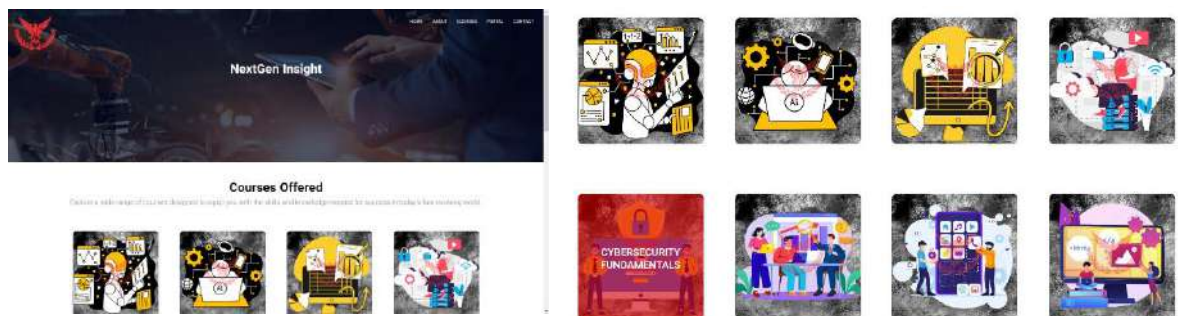
3. Top Alumni Listings

- **Functionality:** Highlights the achievements of top alumni who have excelled in their careers after graduating from NextGen Academy. Each alumni profile includes a name, photo, and their achievements.

- **Interactive Elements:** The red box has shadow background upon hovering to it , which makes it appear more attractive.

4. **Examination Countdown**

Upcoming Exam Countdown

2024 Final NextGen Academy Examination

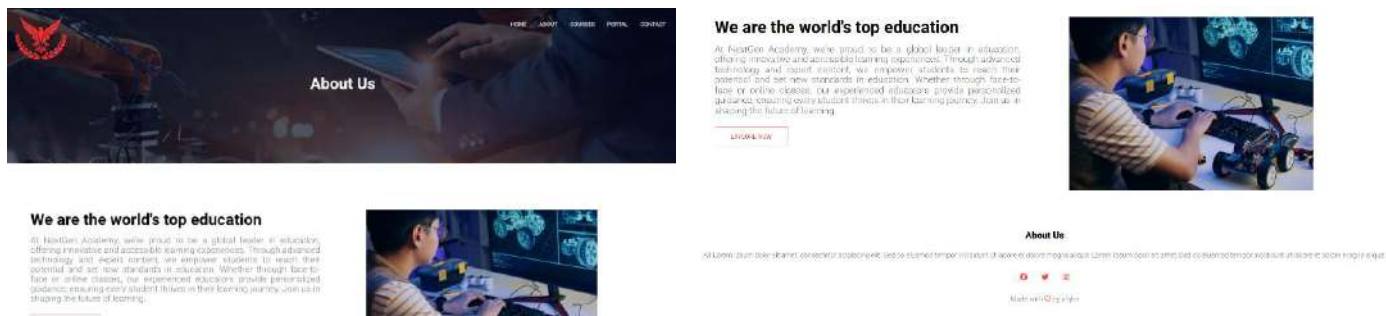| 33	17	51	59
Days	Hours	Minutes	Seconds

- **Functionality:** Displays a countdown timer for upcoming examinations, helping students stay informed about exam dates and deadlines.

- **Interactive Elements:** The timer resets according to the academic calendar.

5. **Course Listings Page**

- **Functionality:** Displays a comprehensive list of available courses.

- **Interactive Elements:** The course name is appeared once user hover to the selected course. The course name will appear from the bottom of the image together with a red banner.
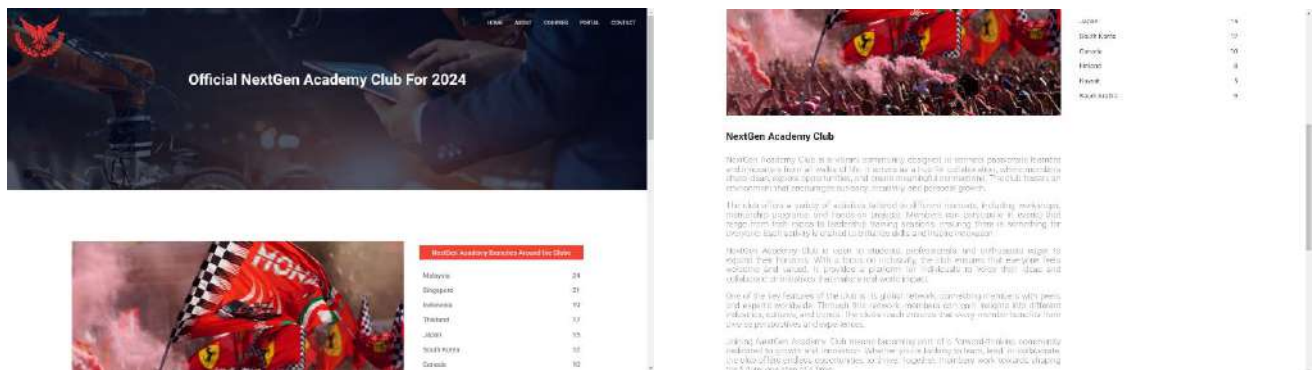
6. About us Page

- ○ **Functionality:** Provides users with in-depth background of the academy.

- ○ **Interactive Elements:** A "Explore Now" button that takes users to the courses offered page to explore on the education offered by NextGen Academy.

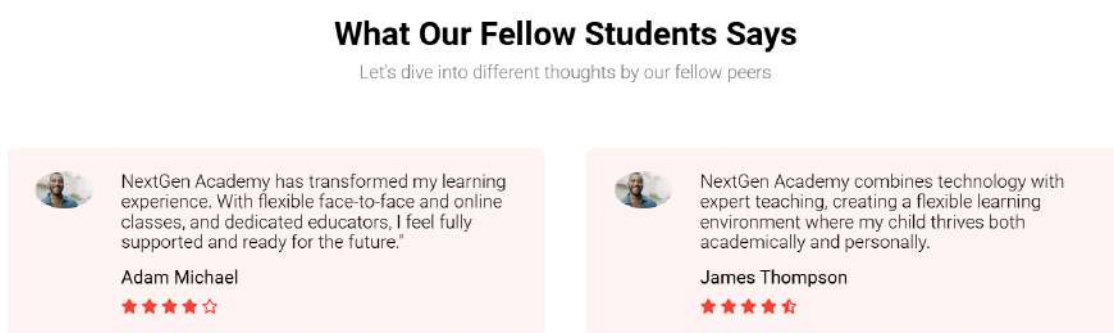## 7. Merchandise Listings

- ○ **Functionality:** A section for showcasing academy-branded merchandise, Each product listing includes an image and description.

8. Portal Page

- o **Functionality:** Displays in-depth story about the academy and listing of the academy branches around the world.

- o **Interactive Elements:** Neat position of each section.

9. Testimonials from Students

What Our Fellow Students Says

Let's dive into different thoughts by our fellow peers

NextGen Academy has transformed my learning experience. With flexible face-to-face and online classes, and dedicated educators, I feel fully supported and ready for the future."

Adam Michael
★★★★☆

NextGen Academy combines technology with expert teaching, creating a flexible learning environment where my child thrives both academically and personally.

James Thompson
★★★★⯪

- o **Functionality:** Displays authentic testimonials from current students and alumni, sharing their experiences at NextGen Academy.

- o **Interactive Elements:** Star icons are shown to describe the satisfaction of the testimonials givers.
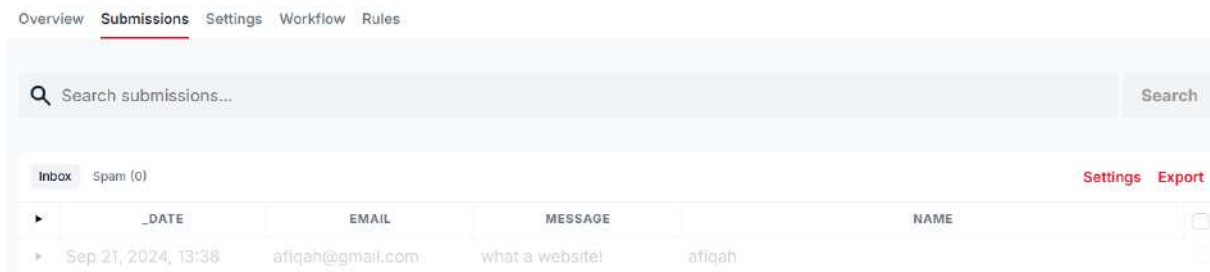
10. Feedback or Queries Form

- ○ **Functionality:** A form that allows students, parents, and visitors to submit feedback or inquiries regarding the academy's programs, courses, or services. This form includes fields for name, email, and message.

- ○ **Interactive Elements:** A 'Post Comment' button that sends the form to the academy's support team.
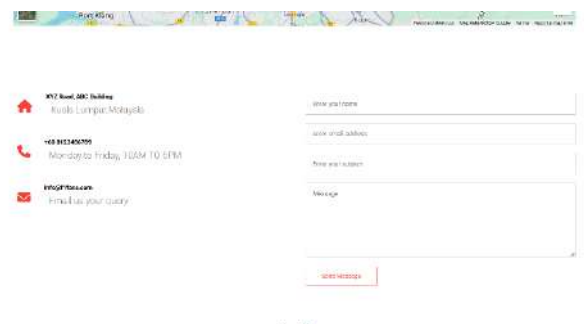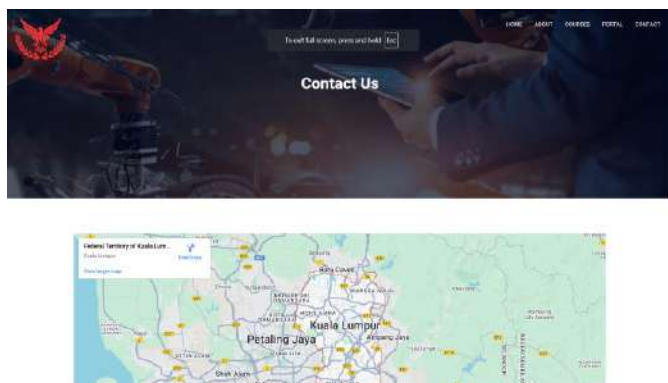

- The message sent will appear in this Formspree database.

11. Footer Banner

- o **Functionality:** Displays the slogan of the academy with interactive photo and wording to invite people to join the academy.

- o **Interactive Elements:** 'Contact Us' button that will navigate to contact us page.

12. Contact Us Page

- o **Functionality:** Displays the map that shows the location of the academy, address, phone number and email of the academy.

- o **Interactive Elements:** The map is a live map which can be zoomed further to view the location more detailed.
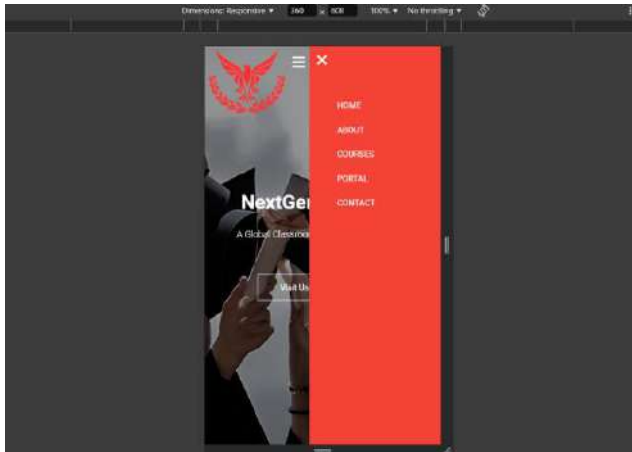
13. Social Media Listings

- o **Functionality:** Displays the social media icon for Instagram, Facebook and Twitter.

o **Interactive Elements:** Icons linking to social media platforms for direct access.

14. Mobile size design

The website is also designed to be fit with smaller device size.

8.0 Testing and Evaluation

Testing Methods:

- **Unit Testing:** Ensured that individual components (such as feedback) functioned as expected.

- **Performance Testing:** The website was tested for load times and optimized for better performance on mobile and desktop devices.

9.0 Conclusion

The NextGen Academy website successfully meets the objectives set out at the start of the project, providing a flexible, user-friendly platform for students to access education. Moving forward, future updates may include the addition of an AI chat feature, a payment gateway, and enhanced interactive elements.