

# Implementation Report



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December 2020

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# Server & Hosting

- GitHub pages for hosting the website
- Firebase as the free Cloud database service

We were initially thinking of using MySQL for the database service, but Firebase proved to be easier to implement and host, as it is cloud based.

# Languages Used

- HTML/CSS
- Bootstrap
- JavaScript

We were initially not thinking of using Bootstrap or JavaScript, but had to adjust our plan later on.

# Implementation

Github repository with the code:

<https://github.com/steminclusivitylab/steminclusivitylab.github.io>

Website: <https://steminclusivitylab.github.io/>

We were able to create the framework for the website with consistent visual identity and Implemented the following functionalities:

- ❖ Upload (with Firebase)
- ❖ Download (with Firebase)
- ❖ Search by category

Some of the additional functionalities:

- ❖ We were able to link our Mailchimp account and Google Analytics account (through Firebase) to collect data on users.
- ❖ We implemented a button to allow users to sign up for our newsletter through Mailchimp.
- ❖ We implemented the *Media* section showcasing some of the more well-known programs from weSTEM that supports search by category.
- ❖ We implemented a *Testimonials* section with displayed feedback from users.

- ❖ We implemented buttons for Twitter and Facebook to take the user to the respective pages.
- ❖ The website is compatible with desktop and mobile devices.

## Visual Identity

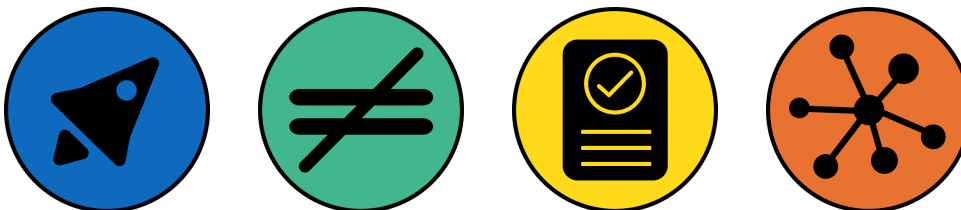
- ❖ We choose orange (E87331) as the main color.
- ❖ Our logo also includes yellow (FFDA1A), green(42B78D) and blue (0F6ABE).
- ❖ The logo is made in the font called OpenDyslexic to promote accessibility for those with learning disabilities.



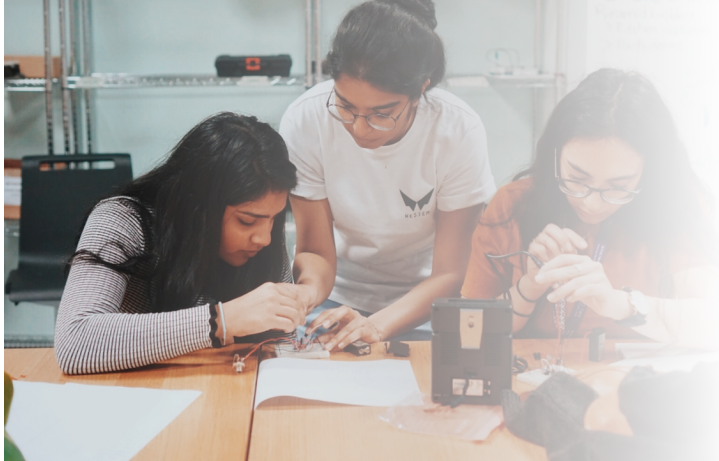
Circular version

**STEM Inclusivity Lab**

Horizontal version



Icons to be implemented on the website in the future (from left to right: Career development, Gender Gap, Programming, Outreach).



Header to be used for official communications.

## Future Implementation

- ❖ Register and log-in functionality.
- ❖ Make upload and download more comprehensive and more visually appealing.
- ❖ Make a step in the upload process that allows the admin to check the file.
- ❖ Support for admin and user users.
- ❖ Create and support the forum platform.
- ❖ Functionality to support modifying files once they have been uploaded.
- ❖ Unify the visual identity across the website and supportive documentation, providing everything in a mix of accessible fonts.

## Sources & Credits

Due to the constraints of this course scope and this particular semester, we required assistance in the implementation phase of our project. We would like to thank and give credits to:

- ❖ Filip Bendeviski, NYUAD Class of 2021, for help with the implementation of the Firebase database.
- ❖ [BootstrapMade](#) - template for the website.
- ❖ [Slidesgo](#) - presentation template.