

# Technical Board Website

We're so glad to have you join the team! This guide will help you understand the project structure and four development phases of this project. Along with it, this guide will provide you with our contribution guidelines.

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## Project Structure - Web Pages

### Landing Page

- **Navbar**
  - Gallery\*
  - Clubs
  - Events\*
  - Initiatives\*
  - Hall of Fame\*
  - Facilities\*
- **Logo**
- **About Us**
- **Team**
- **Contact Information**

### X Club (Programming or Robotics)

- **Navbar**
  - Resources\*
  - Gallery\*
  - Club Coordinators (At the bottom)
  - Events\*
  - Hall of Fame\*
  - Projects\*
- **Logo**
- **About Us**
- **Club Coordinators**
- **Contact Information**

### Gallery

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **A Catchy Slogan**
- **Images** (may be divided into categories)

### Events

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- **Navbar**
    - Same as Respective Parent Page (RPP)
  - **Brief Description of this page**
  - **List of events** (On clicking each event will open up into a popup as described below)
    - Event Name
    - Description
    - Winners (if)
    - Gallery

## Initiatives

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **Brief Description of this page**
- **List of Initiatives** (On clicking each event will open up into a popup as described below)
  - Initiative Name
  - Description
  - Gallery

## Hall of Fame

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **Brief Description of this page**
- **Previous Coordinators (Year Wise)**
  - Their contact information

## Facilities

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **Brief Description of this page**
- **List of Facilities**

## Projects

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **Brief Description of this page**
- **List of Projects**

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## Resources

- **Navbar**
  - Same as Respective Parent Page (RPP)
- **Club Sessions' PPTs**
- **Assignments**
- **Blogs**

## Technology Stack

- HTML, CSS and Javascript
- Bootstrap 4
- Node.js
- Express.js
- MongoDB

## Phases of Development

### Phase 1 (Designing and Frontend)

Designing phase is where we develop the layout and theme of the website. Along with the design, we will be working on Frontend part where we'll define various actions on different events, toggling, and other effects using Javascript.

### Phase 2 (Backend - API and Database)

This phase will consist of developing APIs for different tasks like **routing, updating, creating, deleting** etc. along with database persistence.

### Phase 3 (Integration - Frontend and Backend)

The integration phase will consist of giving the Backend, the skin of Frontend. The APIs developed in **Phase 2** will be linked with Frontend designs developed in **Phase 1**.

### Phase 4 (SEO and Digital Marketing)

This will be the most crucial phase, where SEO experts and Digital Marketers will make our product more visible to the world.

\* (Though **Phase 1, 2 and 4** can run parallelly, we **tried** to give everyone the taste of **Full Stack**)

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## Contribution Guidelines

This will be going to be a group project, so, we will be using **Git** technology for collaboration in our project. Specifically, we will use **Github** as our remote repository. Thus, everyone is requested to make an account on Github.

Since we will be using Git extensively, everyone is required to have a good knowledge of Git. You may use the resources provided at the end.

### Guidelines

- i) Go to project repository at <https://github.com/Technical-Board-IIITG/TechBoardWebsite>
- ii) **FORK** the repository.
- iii) Now, **CLONE** the forked repository to your local machine (desktop).
- iv) The cloned repository will be in the **master** branch. You are advised to do your development in some other branch (say **dev** branch). It is a good practice to change your branch for every new feature you are working on.
- v) After completing your task, you need to **COMMIT** the changes you made in the **dev** branch and finally **PUSH** your commits of **dev** and then make a **PULL REQUEST**.
- vi) Once your commit is **MERGED** to our repo, you can merge your **master** branch with your **dev** branch in your local repository. After that, you may delete your **dev** branch.

\* (Always have a **PULL** from the original repo, before working on a new feature)

## Resources

- HTML and CSS <https://scrimba.com/g/ghtmlcss>
- Bootstrap 4 <https://scrimba.com/g/gbootstrap4>
- Javascript <https://scrimba.com/g/gintrot javascript>
- Node.js, Express.js and MongoDB  
<https://www.youtube.com/playlist?list=PLlilGF-RfqBYRpi8t4SxUkMxfowG4Kqp>
- Git  
[https://www.youtube.com/playlist?list=PL4cUxeGkcC9goXbgTDQ0n\\_4TBzOO0ocPR](https://www.youtube.com/playlist?list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR)