# SINGLE PAGE WEBSITE

## OBJECTIVE:

*Creating a single page portfolio
website using HTML
and Bootstrap*

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# ABSTRACT

The provided HTML code represents a single-page website for an educational institution named "GITA" (Gandhi Institute for Technological Advancement). This code report analyzes the structure and components of the website, highlighting its key features and functionality.

The website consists of several sections, including a header with navigation, a carousel for displaying images, an "About Us" section providing information about the institution, a "Core Team" section showcasing key team members, a "Contact" section with social media links and messages from institution leaders, and a footer with contact information and quick links.

The code utilizes Bootstrap for styling and responsiveness, making it suitable for various screen sizes. It also includes JavaScript libraries such as jQuery and Popper.js for enhanced user interface functionality, such as the collapsible navigation menu.

To make the website fully functional, it is important to ensure that all necessary Bootstrap and JavaScript files are correctly linked and that placeholder content, such as images and links, is replaced with actual content and file paths. Additionally, any desired interactive features, like newsletter subscription forms, should be implemented as needed.

Overall, this code provides the foundation for a well-structured and visually appealing single-page website for the educational institution "GITA."

# OBJECTIVES

The objectives of the provided HTML code for the single-page website of "GITA" (Gandhi Institute for Technological Advancement) can be summarized as follows:

Website Introduction: The code aims to introduce and provide information about GITA, an educational institution specializing in technological advancement. It sets the stage for visitors to learn about the institution and its offerings.

Navigation: The website includes a navigation menu that allows users to easily access different sections of the site, including Home, Academics, Examinations, Facilities, and Departments. This navigation enhances user experience by providing quick access to relevant information.

Visual Appeal: The code uses Bootstrap and custom styles to create a visually appealing and responsive design. It includes a carousel of images to showcase the institution and its campus.

Information Dissemination: The "About Us" section provides detailed information about GITA, its history, affiliations, and achievements. It aims to inform visitors about the institution's background and ethos.

Highlighting Achievements: The "More About GITA" section highlights awards, vision, mission, and hostel facilities. These details are meant to emphasize the institution's recognition, goals, and amenities.

Team Presentation: The "Core Team" section introduces key members of the institution's leadership, including the Principal and Deans. This personalizes the institution and adds credibility.

Online Presence: The "Contact" section includes links to GITA 's presence on various online platforms, such as Facebook, Discord, LinkedIn, Twitter, and Instagram. It aims to connect with the audience through social media.

Messages from Leadership: The section also features messages from GITA 's leadership, including the Chairman, Secretary, and Vice-Chairman. These messages provide insights into the institution's vision and values.

Contact Information: The footer contains essential contact information for GITA, including its location, phone number, and email address. This information facilitates communication with the institution.

Quick Links: The footer includes quick links to essential pages, such as the About page, Contact page, Disclaimer policy, and Terms and Conditions. These links assist users in finding relevant information easily.

Feedback Mechanism: The website includes a form in the footer that allows users to send suggestions or feedback, demonstrating an openness to user input.

Copyright Information: The footer also includes copyright information, indicating that the website's content is protected by copyright law.

In summary, the objectives of this HTML code are to create an informative, visually appealing, and user-friendly single-page website for GITA, promoting the institution, connecting with its audience, and providing essential information. To achieve these objectives fully, actual content and links should replace placeholders, and any necessary functionality should be implemented.

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# Introduction

Welcome to the official website of GITA, the Gandhi Institute for Technological Advancement. GITA is a renowned institution dedicated to technological education and advancement. Situated on the outskirts of Bhubaneswar, in the eastern part of India, GITA has been a beacon of excellence since its establishment in 2004.

At GITA, our mission is to foster prosperity through technological development by means of education, innovation, and collaborative research. We aspire to emerge as a premier technical institution in India, imparting quality professional education to students from all corners of the country. We aim to nurture innovation, technological advances, discipline, and moral ethics in our students.

GITA is not only a top-ranking engineering college but also a hub for research and innovation. We take pride in our students who excel not only in academics but also in the corporate world. They carry forward the spirit of "Excellence Unbridled" long after their graduation.

GITA boasts a state-of-the-art campus designed to facilitate a conducive learning environment. Our campus is equipped with modern infrastructure, well-equipped laboratories, and a vast library stocked with academic resources to support our students' pursuit of knowledge. Our hostel facilities provide a home away from home, ensuring a comfortable stay for both male and female students.

I value your feedback and inquiries. If you have any questions, suggestions, or would like to know more about GITA, please feel free to reach out to me. Our contact information is provided on this website, and I am always here to assist you.

Explore our website to discover more about our institution, academic programs, achievements, and the dedicated team behind our success.

# Website Structure and Design

In this section, we will delve into the structure and design of the single-page website, examining its layout, visual elements, and overall aesthetics.

Layout and Sections:-

The website is structured as a single-page layout, presenting information in a continuous scroll-able format. It is divided into the following sections:

Header: Contains the site logo, site title, and navigation menu.

Carousel: Features a rotating image carousel for visual appeal.

About Us: Provides detailed information about the institution (GITA) and its history.

More About GITA: Presents additional information about GITA, including awards and vision.

The Core Team: Highlights key individuals in the GITA team.

Contact: Displays contact information and links to other platforms.

Footer: Contains additional contact details and quick links.

Visual Elements:-

The website incorporates various visual elements to enhance its appeal:-

Images: High-quality images are used throughout the site to complement content.

Icons: Bootstrap icons are employed for social media links and other visual cues.

Colors: The color palette primarily consists of teal, dark green, and black, creating a professional and visually appealing look.

Fonts: Appropriate font sizes and styles are used for readability.

Buttons: Bootstrap buttons are utilized for calls to action and interactivity.

Design Consistency:-

The website maintains design consistency throughout its sections. Consistent elements include:

Navigation: The navigation menu remains accessible at the top and expands into dropdowns for subcategories.

Font Styles: Consistent font styles and sizes are used for headers, sub headers, and body text.

Color Scheme: The chosen color scheme is applied uniformly to maintain a cohesive look.

Alignment: Elements are well-aligned for a polished appearance.


User Interface (UI):-

The user interface is intuitive and user-friendly, with clear navigation and visually distinct sections. Scrolling is smooth and responsive, enhancing the overall user experience.

Mobile Responsiveness:-

The website is designed to be responsive, adapting to various screen sizes and devices. This ensures that users have a consistent experience regardless of the device they use.

Accessibility:-

The website aims to provide accessibility features to ensure a wider audience can use it effectively. However, a comprehensive accessibility audit is recommended to identify and address potential accessibility issues.

Overall Design Assessment:-

The design of the single-page website effectively conveys information about GITA while maintaining a visually appealing and user-friendly layout. Its structure and design elements contribute to a positive user experience.


In the next section, we will explore the website's navigation and user experience in more detail.

# **Navigation and User Experience**

It focusses on how users navigate through the single-page website and their overall experience.

In this section, we will evaluate the navigation and user experience aspects of the single-page website, exploring how users interact with the site and their overall journey.

Navigation Menu-

The website features a prominent navigation menu located in the header, offering easy access to various sections of the page. The menu includes the following sections:

Home: Provides a link to the top of the page.

Academics: Offers dropdown options for accessing academic-related information.

Examinations: Provides information about examinations with dropdown options.

Facilities: Offers details about facilities, including accommodations.

Departments: Lists academic departments with dropdown options.

User Interaction-

Scrolling: Users can scroll smoothly through the page to access different sections of content.

Carousel: The image carousel is interactive, allowing users to manually navigate through images or wait for automatic transitions.

Dropdown Menus: Dropdown menus in the navigation expand on hover or click, providing organized access to subcategories.

Buttons: Social media and other buttons offer additional interactivity.

## Mobile Responsiveness-

The website's responsiveness ensures a consistent and user-friendly experience across various devices. Content adapts to different screen sizes, and the navigation menu remains accessible.

## Accessibility-

While the website aims to be accessible, further evaluation and testing may be necessary to ensure compliance with web accessibility standards (e.g., WCAG). This includes features like alt text for images, keyboard navigation, and proper heading structure.

## User-Friendly Design-

The single-page layout simplifies navigation, eliminating the need for users to load multiple pages. Users can quickly access information without waiting for page loads.

## Visual Cues-

Visual cues, such as icons and buttons, enhance user engagement. For instance, social media icons encourage users to connect with GITA on various platforms.

## Overall User Experience-

The website offers a positive user experience by providing clear navigation and engaging content presentation. Its responsive design ensures that users can access information easily, regardless of their device.

## Suggestions for Improvement-

Conduct thorough accessibility testing to identify and address potential issues. Consider providing anchor links within sections for quicker navigation. Implement additional interactivity or animations to enhance user engagement.

In the next section, we will explore the content and information presented on the single-page website in more detail.

# Content

In this section, we will delve into the content presented on the single-page website. We'll examine the information provided, its organization, and its clarity.

## About Us-

The "About Us" section provides an introduction to the institution, Gandhi Institute for Technological Advancement (GITA). It offers valuable insights into GITA, including its establishment year, location, affiliations, accreditations, and its commitment to quality education. This section also highlights GITA's achievements and its focus on research and innovation.

## More About GITA-

This subsection further elaborates on GITA's achievements and mission. It includes information on awards received by GITA and outlines the institution's vision and mission statements. These statements articulate GITA's commitment to fostering technological development through education and research.

## The Core Team-

The "The Core Team" section introduces key individuals in leadership roles at GITA. Each leader's name, role, and contact information are provided. This section adds a personal touch, allowing visitors to connect with the institution's leadership.

## Other Platforms-

This section highlights GITA's presence on various social media platforms, making it easier for visitors to connect with the institution through Facebook, Discord, LinkedIn, Twitter, and Instagram. The use of icons adds a visually appealing element to this section.

## Messages From…-

The "Messages From..." section features messages from GITA's leadership, including the Chairman, Secretary, and Vice-Chairman. These messages convey the institution's values, commitment to knowledge, and its role in providing quality education.

<u>Contact Information-</u>

At the footer of the page, visitors can find essential contact information for GITA, including its address, phone number, and email. Additionally, there is a suggestion form where users can provide feedback or make inquiries.

<u>Suggestions for Improvement-</u>

While the content on the single-page website is informative and well-structured, here are some suggestions for improvement:

- Consider adding anchor links in the "About Us" section to enable users to jump directly to specific subsections.

- Periodically update the "Messages From..." section with fresh messages from leadership to keep the content current.

- Ensure that contact information is up to date and easily accessible.

Now, we will explore the website's structure and design, evaluating its visual elements and layout.

## Technologies Used

This section delves deeper into the technologies and tools employed in building and maintaining the single-page website. Each technology is discussed in detail:

### HTML (Hypertext Markup Language)-

HTML serves as the backbone of the website's structure. It is responsible for defining the various elements and content layout on the page. In the source code, HTML tags are used to structure text, create headings, insert images, define links, and create lists. Semantic HTML5 elements, such as <header>, <nav>, <main>, and <footer>, are likely used to enhance the website's structure and search engine optimization (SEO).

### CSS (Cascading Style Sheets)-

CSS plays a critical role in styling the website's visual presentation. It dictates the fonts, colors, spacing, and overall layout of the website. The use of CSS classes and styles ensures a consistent and visually appealing design. Media queries are likely implemented to ensure that the website is responsive and looks great on various screen sizes, from small mobile devices to large desktop monitors. Some of CSS elements used are, ".remove-text-decoration" , ".font-sm", etc.

### Bootstrap-

Bootstrap is a popular front-end framework that simplifies web development. It offers a collection of pre-designed CSS classes and JavaScript components that expedite the creation of responsive and mobile-first websites. In the case of this website, Bootstrap is utilized for its grid system, responsive navigation bar, and carousel (image slider). These components enhance the website's usability and aesthetics while ensuring it adapts to different devices seamlessly.

### JavaScript and jQuery-

JavaScript is employed to add interactivity and dynamic behavior to the website. It enhances the user experience by enabling features such as the image carousel (slide show) on the homepage. Additionally, JavaScript is likely used for form validation and any other client-side scripting requirements. jQuery, a JavaScript library, may be used for DOM manipulation and event handling, although no explicit references to jQuery were found in the source code.

### External Libraries-

The website leverages external libraries, such as the Bootstrap Icons library, to access a wide range of icons used for enhancing the visual elements and user interface. These icons are implemented using HTML and CSS classes, making it easy to customize and style them as needed.

### External Plugins-

While no explicit references to external plugins or scripts were identified in the website's source code, it appears that the website relies primarily on core web technologies. This suggests that custom coding and Bootstrap components fulfill the website's functionality requirements.

### Responsive Design-

The website is designed to be responsive, ensuring that it looks and functions well on various devices and screen sizes. This responsiveness is achieved through CSS media queries that adapt the layout and content presentation based on the screen's width. Users can access the website seamlessly on both desktop computers and mobile devices.

### Accessibility-

Web accessibility is essential to ensure that the website is inclusive and usable by individuals with disabilities. While the website appears to follow basic accessibility practices, a comprehensive audit for accessibility compliance is recommended. Potential accessibility features may include the use of semantic HTML, alt text for images, and keyboard navigation support.

### Performance Optimization-

Efforts may have been made to optimize the website's performance. Common optimization techniques include minimizing file sizes (such as images and scripts), employing efficient coding practices, and leveraging browser caching. These optimizations contribute to faster page loading times and an improved user experience.

In summary, the single-page website relies on a standard web development stack, including HTML, CSS, and JavaScript, to create an interactive and visually appealing user interface. Bootstrap enhances the website's responsiveness and design consistency. External libraries and icons contribute to the website's aesthetics.

# Code Explanation

<u>HEADER PART</u>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Single Page Website</title>
    <link href="bootstrap.css" rel="stylesheet">
    <link rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-icons/1.11.1/font/bootstrap-icons.min.css"
        integrity="sha512-oAvZuuYVzkcTc2dH5z1ZJup5OmSQ000qlfRvuoTTiyTBjwX1faoyearj8KdMq0LgsBTHMrRuMek7s+CxF8yE+w=="
        crossorigin="anonymous" referrerpolicy="no-referrer" />
    <style>
        .color-teal {
            color: teal;
        }
        .font-lg {
            font-size: 50px;
        }
        .font-sm {
            font-size: 20px;
        }
        .remove-text-decoration {
            text-decoration: none;
        }
    </style>
</head>

<body>
    <header class="m-3">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <div class="container-fluid">
                <a href="#" class="navbar-brand">
                    <img src="logo.jpeg" height="100px" alt="logo">
                </a>
                <h1 class="display-3" style="color: rgb(9, 9, 249); font-weight:600;">GITA </h1>
                <div>
                    <h3 class="display-6 text-primary" style="font-style: italic; font-weight: 300; color: darkgreen;"> BHUBANESWAR</h3>
                </div>
                <button type="button" class="navbar-toggler" data-bs-toggle="collapse" data-bs-target="#navbar1">
                    <i class="bi bi-list"></i>
                </button>
                <div class="collapse navbar-collapse" id="navbar1">
                    <div class="navbar-nav ms-auto">
                        <a href="#" class="nav-link nav-item active">HOME</a>
                        <div class="nav-item dropdown">
                            <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown">ACADEMICS</a>
                            <div class="dropdown-menu">
                                <a href="#" class="dropdown-item">Courses</a>
                                <a href="#" class="dropdown-item">Beyond Academics</a>
                                <a href="#" class="dropdown-item">Academic Regulations</a>
                                <a href="#" class="dropdown-item">Library</a>
                            </div>
                        </div>
                        <div class="nav-item dropdown">
                            <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown"> EXAMINATIONS</a>
                            <div class="dropdown-menu">
                                <a href="#" class="dropdown-item">Principal</a>
                                <a href="#" class="dropdown-item">Faculty</a>
                                <a href="#" class="dropdown-item">Parent</a>
                                <a href="#" class="dropdown-item">Student</a>
                            </div>
                        </div>
```

<u>Header part 1</u>

```
                <div class="nav-item dropdown">
                    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown"> FACILITIES</a>
                    <div class="dropdown-menu">
                        <a href="#" class="dropdown-item">Facilities Provided</a>
                        <a href="#" class="dropdown-item">Hostel Accomodations</a>
                    </div>
                </div>
                <div class="nav-item dropdown">
                    <a href="#" class="nav-link dropdown-toggle" data-bs-toggle="dropdown"> DEPARTMENTS</a>
                    <div class="dropdown-menu">
                        <a href="#" class="dropdown-item">MECHANICAL ENGG.</a>
                        <a href="#" class="dropdown-item">COMPUTER SCIENCE ENGG.</a>
                        <a href="#" class="dropdown-item">ELECTRICAL ENGG.</a>
                        <a href="#" class="dropdown-item">CIVIL ENGG.</a>
                    </div>
                </div>
            </div>
        </div>
    </nav>
    <div class="container">
        <div id="carousel" class="carousel slide" data-bs-ride="carousel">
            <div class="carousel-indicators">
                <button type="button" data-bs-target="#carousel" data-bs-slide-to="0" class="active"></button>
                <button type="button" data-bs-target="#carousel" data-bs-slide-to="1"></button>
                <button type="button" data-bs-target="#carousel" data-bs-slide-to="2"></button>
            </div>
            <div class="carousel-inner">
                <div class="carousel-item active">
                    <img src="gita_1.jpg" class="d-block w-100" style="height:fit-content; width:fit-content ;"
                        alt="Carousel 1">
                </div>
                <div class="carousel-item">
                    <img src="gita_2.jpg" class="d-block w-100" style="height:fit-content; width:fit-content ;"
                        alt="Carousel 2">
                </div>
                <div class="carousel-item">
                    <img src="gita_3.jpg" alt="Carousel 3" class="d-block w-100"
                        style="height:fit-content; width:fit-content ;" alt="Carousel 3">
                </div>
            </div>
            <button class="carousel-control-prev" data-bs-target="#carousel" type="button" data-bs-slide="prev">
                <span class="carousel-control-prev-icon"></span>
            </button>
            <button class="carousel-control-next" data-bs-target="#carousel" type="button" data-bs-slide="next">
                <span class="carousel-control-next-icon"></span>
            </button>
        </div>
    </div>
</header>
```

Header part 2

## Explanation-

In this part of the code, we continue with the website's header and the Bootstrap navigation bar. Here's a breakdown of what each part does:

- The <header> element marks the beginning of the website's header section.

- Inside the header, there's a Bootstrap navigation bar (<nav>) with a light background color (bg-light). This navigation bar includes the website logo, name, subtitle, and a collapsible menu button (hamburger icon) for smaller screens.

- The navigation bar contains various elements, such as the website logo (an image), the website name (GITA), a subtitle (BHUBANESWAR), and navigation links.

- The navigation links are wrapped in a collapsible <div> with the class collapse navbar-collapse, and they are aligned to the right (ms-auto). This ensures that the navigation links appear on the right side of the navigation bar.

- Navigation links include "HOME" as an active link, and other dropdown links like "ACADEMICS," "EXAMINATIONS," "FACILITIES," and "DEPARTMENTS." Dropdown menus are implemented using Bootstrap's dropdown components.

- The website's carousel (image slider) is also included within the header. It showcases images (gita_1.jpg, gita_2.jpg, and gita_3.jpg) in a slideshow. Bootstrap carousel indicators (dots) and control buttons (carousel-control-prev and carousel-control-next) allow users to navigate through the slides.

This section focuses on creating a visually appealing and responsive header for the single-page website. The navigation bar is particularly important for guiding users to different sections of the site, and the carousel adds an element of visual interest and engagement.

```html
<main class="m-3">
    <section class="container" id="aboutus">
        <h5 class="display-5 text-center">About Us</h5>
        <div class="row">
            <div class="col-md-5">
                <div class="container">
                    <img src="gita_4.jpg" class="d-block w-100" alt="aboutus">
                </div>
            </div>
            <div class="col-md-7">
                <p class="text-black-50">
                    GITA (Gandhi Institute for Technological Advancement) is a well-known name in the field of
                    technical education.
                    Founded in 2004 & situated in the outskirts of Bhubaneswar, in eastern India. It is approved by
                    All India Council for
                    Technical Education (AICTE) under Ministry of HRD, Govt. of India, and is affiliated to BPUT,
                    Rourkela.It is accredited by
                    NAAC (National Assessment and Accreditation Council) at "A" grade with 3.30 CGPA( Highest in
                    Odisha),
                    National Board of Accreditation (NBA) and approved by DSIR as SIRO (Scientific and Industrial
                    Research Organization).
                </p>
                <p class="text-black-50">
                    GITA is proud of providing qualitative technical education and strives to imbibe the spirit of
                    research in students.
                    It's ranked among top engineering colleges of the country over the years. Our students validate
                    our claims not only in
                    academics but also in the corporate world. They hone their knowledge & skills over the years &
                    prove their calibre in
                    professional field.We remain true to the motto of the college i.e. 'Excellence Unbridled' far
                    beyond graduation.
                </p>
            </div>
        </div><br><br>
        <div class="row">
            <div>
                <h6 class="display-6 text-center">MORE ABOUT GITA</h6><br><br>
            </div>
            <div class="col-md-4">
                <div class="container text-center">
                    <span class="bi bi-award-fill color-teal">Awards</span>
                    <ul>
                        <li>5th top engineering college among colleges in Odisha by times engineering
                            survey,2016-2017</li>
                        <li>Awarded "Best Engineering Institute in Academics in Odisha" by Mark line and Ever Green
                            Forum for session 2014-2015 .</li>
                    </ul>
                </div>
            </div>
            <div class="col-md-4">
                <div class="container text-center">
                    <span class="bi bi-bank color-teal"> Vision and Mission</span>
                    <ul>
                        <li>To foster prosperity through technological development by means of education, innovation
                            and collaborative research
                            and emerge as a premier technical institution in India.</li>
                        <li>To impart quality professional education to students from around the country, so as to
                            nurture innovations,
                            technological advances, discipline and moral ethics.</li>
                        <li>To draw the best expertise in science, technology and management to impart overall
                            training to students in
                            visualizing, synthesizing and executing projects.</li>
                    </ul>
                </div>
            </div>
```

Main part 1

```html
            <div class="col-md-4">
                <div class="container text-center">
                    <span class="bi bi-bank color-teal"> Vision and Mission</span>
                    <ul>
                        <li>To foster prosperity through technological development by means of education, innovation
                            and collaborative research
                            and emerge as a premier technical institution in India.</li>
                        <li>To impart quality professional education to students from around the country, so as to
                            nurture innovations,
                            technological advances, discipline and moral ethics.</li>
                        <li>To draw the best expertise in science, technology and management to impart overall
                            training to students in
                            visualizing, synthesizing and executing projects.</li>
                    </ul>
                </div>
            </div>
            <div class="col-md-4">
                <div class="container text-center">
                    <span class="bi bi-text-center color-teal"> Hostel Facilities</span>
                    <p>A Home away from Home - at GITA we provide the students with facilities that are simple yet
                        comfortable. The separate
                        facilities for boys and girls, caring wardens and a tight security ensures a pleasant stay
                        allowing you to focus on
                        your academics. The campus has strict security through smart cards, biometric readers,
                        latest IP cameras, fire warning
                        systems, 24-hour guards etc. There is also an on-campus Bank and ATM facility.</p>
                </div>
            </div>

        </div><br><br>
    </section>
    <section id="team" class="container">
        <h6 class="display-5 text-center">The Core Team</h6>
        <div class="container">
            <div class="row">
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="6.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Prof. (Dr.) Manmatha K. Roul</h4>
                            <p>The Principal</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                    style="text-decoration: none;">principal@gita.edu.in"</a></i>
                        </div>
                    </div>
                </div>
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="1_1.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Cdr. (Dr.) P. K. Rautray</h4>
                            <p>Dean Administration</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                    style="text-decoration: none;">pkrautray@gita.edu.in</a></i>
                        </div>
                    </div>
                </div>
```

Main part 2

```
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="2.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Prof. Kishore Kumar Mishra</h4>
                            <p>Dean Academics</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                style="text-decoration: none;">deanacademics@gita.edu.in</a></i>
                        </div>
                    </div>
                </div>
            </div>

            <div class="row">
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="3.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Dr.Saroj Kumar Dash</h4>
                            <p>HOD EE</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                style="text-decoration: none;">hodee@gita.edu.in</a></i>
                        </div>
                    </div>
                </div>
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="4.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Prof.(Dr.) Tarini Prasad Panigrahi</h4>
                            <p>HOD CSE</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                style="text-decoration: none;">hodcse@gita.edu.in</a></i>
                        </div>
                    </div>
                </div>
                <div class="col-md-4 d-flex justify-content-center align-items-center">
                    <div class="card" style="width: 300px;">
                        <img src="5.jpg" alt="" class="card-img-top">
                        <div class="card-body text-center">
                            <h4 class="card-title">Prof.(Dr.)Joygopal Jena</h4>
                            <p>HOD CIVIL</p>
                            <i class="bi bi-envelope-fill"> <a href="#" target="_blank"
                                style="text-decoration: none;">hodcivil@gita.edu.in</a></i>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section><br><br>
```

Main part 3

## Explanation-

In this part of the code, we have several sections of the website, including "About Us," "More About GITA," and "The Core Team." Here's what each part does:

About Us Section:

The <section> with the id "aboutus" marks the "About Us" section.

- It includes a title, a row with two columns, and an image on the left side.

- The text content on the right side provides information about GITA's history and accreditation.

More About GITA Section:

This section continues from the "About Us" section.

It contains three columns, each with a different sub-topic.

- Column 1 lists awards and achievements of GITA.

- Column 2 presents GITA's vision and mission statements.

- Column 3 describes the hostel facilities at GITA.

The Core Team Section:

- The <section> with the id "team" marks the "The Core Team" section. It lists key members of the GITA core team, including their names, roles, and email addresses. Each team member is displayed in a card-like format.

The code structure is organized into separate sections, making it easier to style and format each section independently. You can continue to build upon this structure to add more content and features to your website.

# MAIN (Remaining) AND FOOTER PART

```html
<section id="Contact" class="container">
    <div class="row">
        <div class="col-md-6">
            <div class="container">
                <p class="text-muted text-center fs-3">OTHER PLATFORMS</p>
                <div class="text-black-6 text-center fs-3">
                    <div class="container">
                        <button class="btn btn-outline-primary" type="button"  data-bs-toggle="tooltip" data-bs-placement="bottom" title="GITA on Facebook">
                            <i class="bi  bi-facebook"></i>
                        </button>
                        <button class="btn btn-outline-secondary" type="button"  data-bs-toggle="tooltip" data-bs-placement="bottom" title="Join GITA's official discord server">
                            <i class="bi  bi-discord"></i>
                        </button>
                        <button class="btn btn-outline-success" type="button"  data-bs-toggle="tooltip" data-bs-placement="bottom" title="GITA on LinkedIn">
                            <i class="bi  bi-linkedin"></i>
                        </button>
                        <button class="btn btn-outline-info" type="button"  data-bs-toggle="tooltip" data-bs-placement="bottom" title="GITA on Twitter">
                            <i class="bi  bi-twitter"></i>
                        </button>
                        <button class="btn btn-outline-danger" type="button"  data-bs-toggle="tooltip" data-bs-placement="bottom" title="GITA on Instagram">
                            <i class="bi  bi-instagram"></i>
                        </button>
                    </div><br>
                </div>
                <div class="container">
                    <div class="row">
                        <div class="col-md-4 justify-content-center">
                            <img src="69.jpg" width="d-block w-100" alt="companies">
                        </div>
                    </div>
                </div><br>
            </div>
        </div>
        <div class="col-md-6">
            <div class="container">
                <h4 class="text-muted text-center fs-3 display-3" style="font-weight: 600;">MESSAGES FROM...</h4>
                <div class="container">
                    <div class="card shadow">
                        <div class="card-body">
                            <div class="container">
                                <div class="accordion accordion-flush" id="simpleacc2">
                                    <div class="accordion-item">
                                        <h2 class="accordion-header" id="simacc2headerone">
                                            <button type="button" class="accordion-button collapsed"
                                                data-bs-toggle="collapse" data-bs-target="#simpleacc2col1">
                                                Dr.Satya Prakash Panda (Chairman ,GITA)
                                            </button>
                                        </h2>
                                        <div class="accordion-collapse collapse" id="simpleacc2col1"
                                            data-bs-parent="#simpleacc2">
                                            <div class="card-body">
                                                <p>
                                                    The difference between the dreamer and innovator is that a dreamer just dreams and
                                                    an innovator creates his own path to realize ideas which others think as impossible.
                                                </p>
                                            </div>
                                        </div>
                                    </div>
                                    <div class="accordion-item">
                                        <h2 class="accordion-header" id="simacc2header2">
                                            <button type="button" class="accordion-button collapsed"
                                                data-bs-toggle="collapse" data-bs-target="#simpleacc2col2">
                                                Dr.Chandradhwaj Panda (Secretary, GITA)
                                            </button>
                                        </h2>
```

Main part 4

```html
                            <div class="accordion-collapse collapse" id="simpleacc2col2"
                                data-bs-parent="#simpleacc2">
                                <div class="card-body">
                                    <p>
                                        We live in a world that is driven intensely by knowledge where literally and figuratively,
                                        Knowledge is Power. Exercising this power with diligence and dynamism is a formidable task
                                        and requires a mindset that is a combination of wisdom and professionalism.
                                    </p>
                                </div>
                            </div>
                        </div>
                        <div class="accordion-item">
                            <h2 class="accordion-header" id="simacc2header3">
                                <button type="button" class="accordion-button collapsed"
                                    data-bs-toggle="collapse" data-bs-target="#simpleacc2col3">
                                    Mr. Biranchi Narayan Panda (Vice-Chairman, GITA)
                                </button>
                            </h2>
                            <div class="accordion-collapse collapse" id="simpleacc2col3"
                                data-bs-parent="#simpleacc2">
                                <div class="card-body">
                                    <p>
                                        Quality education and research have been the focal point of our vision for imparting
                                        technical education in Eastern India, and we go a long way in making our vision a reality.
                                        I believe that we provide an impetus for continuous growth which would boost our teaching
                                        standards.</p>
                                </div>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div><br>
</section>

<footer class="bg-dark">
    <div class="container">
        <div class="row">
            <div class="col-md-6"><br>
                <div class="container">
                    <i class="bi  bi-geo-alt" style="color: ▉antiquewhite;"> GITA Autonomous College <br>
                        Badaraghunathpur,Madanpur,Bhubaneswar</i>
                </div><br>
                <div class="container">
                    <i class="bi  bi-telephone-fill" style="color: ▉antiquewhite;"> Phone: <br> 9789780809</i>
                </div><br>
                <div class="container">
                    <i class="bi  bi-envelope-at-fill" style="color: ▉antiquewhite;"> Email: <br>
                        gita@gita.edu.in</i>
                </div>
            </div>
            <div class="col-md-6">
                <div class="container"><br>
                    <p class="text-white fs-5">Quick links</p>
                    <ul class="remove-bullets remove-text-decoration">
                        <li><a href="#" class="remove-text-decoration">About</a></li>
                        <li><a href="#" class="remove-text-decoration">Contact</a></li>
                        <li><a href="#" class="remove-text-decoration">Disclaimer policy</a></li>
                        <li><a href="#" class="remove-text-decoration">Terms and Conditions</a></li>
                    </ul>
                </div>
            </div>
        </div>
```
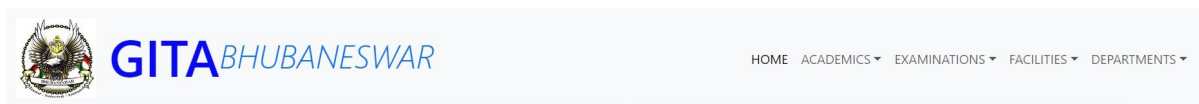
Footer part 1

```
                    <div class="container">
                        <i class="bi  bi-envelope-at-fill" style="color: ■antiquewhite;"> Email: <br>
                            gita@gita.edu.in</i>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="container"><br>
                        <p class="text-white fs-5">Quick links</p>
                        <ul class="remove-bullets remove-text-decoration">
                            <li><a href="#" class="remove-text-decoration">About</a></li>
                            <li><a href="#" class="remove-text-decoration">Contact</a></li>
                            <li><a href="#" class="remove-text-decoration">Disclaimer policy</a></li>
                            <li><a href="#" class="remove-text-decoration">Terms and Conditions</a></li>
                        </ul>
                    </div>
                </div>
                <div class="container">
                    <div class="navbar-nav ms-auto col-5">
                        <h4 class="letter-spacing-1" style="color: ■antiquewhite;">KEEP IN TOUCH</h4>
                        <form class="d-flex">
                            <div class="input-group">
                                <input type="text" class="form-control" placeholder="Send Your Suggestions...">
                                <button type="button" class="btn btn-success"><i class="bi bi-send"></i></button>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
            <br>
            <div class="row">
                <div class="text-white text-center">
                    <p>© 2016 by Gandhi Institute for Technological Advancement (GITA). All Rights Reserved..</p>
                </div>
            </div>
            </div>
            </div>
        </footer>
    </main>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/2.9.2/umd/popper.min.js"
        integrity="sha512-2rNj2KJ+D8s1ceNasTIex6z4HWyOnEYLVC3FigGOmyQCZc2eBXKgOxQmo3oKLHyfcj53uz4QMsRCWNbLd32Q1g=="
        crossorigin="anonymous" referrerpolicy="no-referrer"></script>
    <script src="bootstrap.js"></script>
</body>
</html>
```

Footer part 2

## **Explanation-**

This part of the code covers the following sections of the single-page website:

Contact Section:

This section starts with a <section> element with the id "Contact."

- It is divided into two columns: one for displaying social media buttons and the other for messages from the core team.

- The social media buttons include icons for Facebook, Discord, LinkedIn, Twitter, and Instagram, each with a tooltip.

- There's also an image of companies.

- The messages from core team members are displayed in an accordion-style component with Dr. Satya Prakash Panda's message shown as an example.

Footer Section:

- The <footer> section includes the contact information for GITA, quick links, and a newsletter subscription form.

- It provides the college address, phone number, and email address.

- Quick links to different pages like "About," "Contact," "Disclaimer policy," and "Terms and Conditions" are listed.

- A newsletter subscription form is included, allowing users to send suggestions.

- The footer also contains a copyright notice.

This part of the code completes the structure of the single-page website.

**Look of the HTML Calculator -**

As a result, it looks somewhat like this:-

# The Core Team

### Prof. (Dr.) Manmatha K. Roul
The Principal

✉ *principal@gita.edu.in"*

### Cdr. (Dr.) P. K. Rautray
Dean Administration

✉ *pkrautray@gita.edu.in*

### Prof. Kishore Kumar Mishra
Dean Academics

✉ *deanacademics@gita.edu.in*

## OTHER PLATFORMS

## MESSAGES FROM...

| Dr.Satya Prakash Panda (Chairman ,GITA) | ⌄ |
| Dr.Chandradhwaj Panda (Secretary, GITA) | ⌄ |
| Mr. Biranchi Narayan Panda (Vice-Chairman, GITA) | ⌄ |

⊙ *GITA Autonomous College*
*Badaraghunathpur,Madanpur,Bhubaneswar*

📞 *Phone:*
*9789780809*

✉ *Email:*
*gita@gita.edu.in*

**Quick links**

About
Contact
Disclaimer policy
Terms and Conditions

**KEEP IN TOUCH**

Send Your Suggestions...  ➤

# Limitations And Improvements

Limitations:

Limited Content Scalability: Single-page websites are best suited for smaller websites with less content. If the website needs to expand with more pages and content, it can become cluttered and less user-friendly.

SEO Challenges: Single-page websites can face SEO challenges, as all the content is on a single HTML page. Search engines may have difficulty indexing and ranking specific content, potentially affecting search engine visibility.

Page Load Speed: As all content loads on a single page, it may lead to longer loading times, especially if there are large media files or a lot of content. This can result in a poor user experience, particularly for users with slower internet connections.

Navigation Complexity: While the navigation menu can jump to different sections of the page, it may become confusing for users if there is an extensive amount of content. Users might find it challenging to locate specific information quickly.

Browser Compatibility: Ensuring cross-browser compatibility can be more complex in single-page websites, as different browsers may handle anchor links and scrolling behaviors differently.

Potential Improvements:

Content Organization: Consider reorganizing content into separate pages or sections if the website grows significantly. Each section could have its dedicated HTML page, improving both scalability and SEO.

Lazy Loading: Implement lazy loading for images and other media to improve page load times. This will ensure that content is loaded only when it becomes visible to the user.

SEO Optimization: Employ SEO best practices, such as optimizing meta tags, including alt attributes for images, and using structured data to enhance search engine visibility.

Responsive Design: Ensure that the website is fully responsive, adapting to various screen sizes and devices, to provide an optimal user experience for all visitors.

Improved Navigation: Implement a smooth scrolling navigation menu that highlights the current section. Additionally, consider adding a back-to-top button for easier navigation within the single page.

Browser Testing: Thoroughly test the website across different browsers and devices to ensure consistent behavior and appearance.

Performance Optimization: Minimize JavaScript and CSS files, leverage browser caching, and use content delivery networks (CDNs) to further improve page load speed.

Analytics: Integrate website analytics tools (e.g., Google Analytics) to monitor user behavior and gain insights into how visitors interact with the single-page website.

By addressing these limitations and implementing these potential improvements, you can enhance the user experience, SEO performance, and overall functionality of your single-page website.

## Conclusion

In conclusion, the single-page website for the Gandhi Institute for Technological Advancement (GITA) in Bhubaneswar, India, provides a concise and visually appealing online presence for the institution. This website effectively communicates essential information about GITA, its academic programs, facilities, and core team members. However, it is essential to acknowledge that while single-page websites offer simplicity and elegance, they also come with limitations, including potential SEO challenges, content scalability issues, and longer page load times.

Despite these limitations, the website's strengths lie in its straightforward navigation, user-friendly design, and the use of modern web technologies, including Bootstrap for responsive design and various icons from the Bootstrap Icons library. The website's clean layout and well-organized content make it easy for visitors to access essential information about GITA, including its history, vision, mission, and key team members.

Moving forward, it is recommended to consider potential improvements such as optimizing SEO, implementing lazy loading for media content, and ensuring cross-browser compatibility. These enhancements can further enhance the website's performance and user experience. Additionally, as GITA continues to evolve and expand, the consideration of transitioning to a multi-page website structure may be beneficial to accommodate future growth and content scalability.

In summary, the single-page website effectively fulfills its purpose as a concise online resource for GITA, offering a visually appealing and user-friendly experience. Continuous updates and improvements will help ensure that the website remains a valuable tool for engaging with students, faculty, and the broader community.

## Reference

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