

Aim: To develop a ReactJS-based web application that emulates the structure and functionality of the website www.gnits.ac.in, including key sections such as About, Academics, Student Corner, and Gallery. The application will feature interactive sub-navigation links under Academics, displaying different branches when clicked, providing a dynamic and user-friendly interface for efficient navigation.

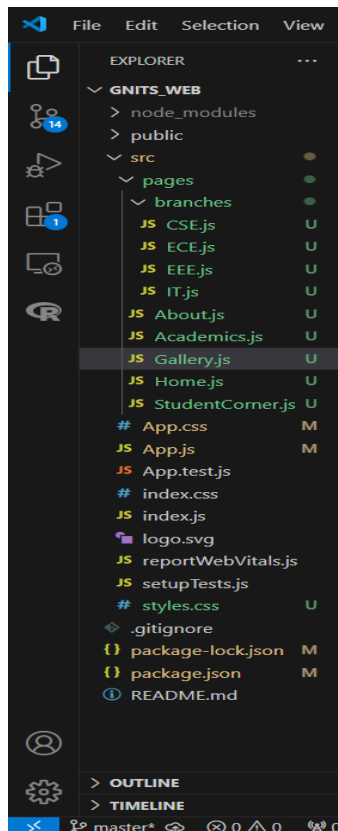
1.Home Page - Home page contains all the links About,Academics,StudentCorner and Gallery at the top of the page when clicked the page will be redirected to respective pages.

2.Academics Section - Includes a main navigation link to "Academics.".On clicking, a list of sub-links appears representing different branches (e.g., CSE,ECE, IT, EEE, MECH).Clicking on a specific branch displays detailed information about that branch

Technologies Used:

- Frontend: HTML ,CSS and REACT for structuring ,styling and deploying the user interface.
- Web Server: Apache Tomcat for deploying and running the REACT application.

File Structure



App.js

```
import React from "react";
import { BrowserRouter as Router, Routes, Route, Link } from "react-router-dom";
import './styles.css'; // Include the styles

import Home from './pages/Home';
import About from './pages/About';
import Academics from './pages/Academics';
import CSE from './pages/branches/CSE';
import IT from './pages/branches/IT';
import ECE from './pages/branches/ECE';
import EEE from './pages/branches/EEE';

function App() {
  return (
    <Router>
      <div className="app-container">
        { /* Header Section */ }
        <header className="header">
          <div className="logo">GNITS</div>
          <nav>
            <ul>
              <li><Link to="/">Home</Link></li>
              <li><Link to="/about">About</Link></li>
              <li>
                <Link to="/academics">Academics</Link>
                <ul className="dropdown">
                  <li><Link to="/academics/cse">CSE</Link></li>
                  <li><Link to="/academics/it">IT</Link></li>
                  <li><Link to="/academics/ece">ECE</Link></li>
                  <li><Link to="/academics/eee">EEE</Link></li>
                </ul>
              </li>
              <li><Link to="/gallery">Gallery</Link></li>
            </ul>
          </nav>
        </header>

        { /* Main Section */ }
        <main className="main-content">
          <Routes>
            <Route path="/" element={ <Home /> } />
            <Route path="/about" element={ <About /> } />
            <Route path="/academics" element={ <Academics /> } />
            <Route path="/academics/cse" element={ <CSE /> } />
            <Route path="/academics/it" element={ <IT /> } />
            <Route path="/academics/ece" element={ <ECE /> } />
            <Route path="/academics/eee" element={ <EEE /> } />
          </Routes>
        </main>

        { /* Footer Section */ }
        <footer className="footer">
          <div className="footer-content">
            <div>View All Latest News</div>
            <div>WORKING DAY ON 24-12-2024</div>
          </div>
        </footer>
      </div>
    </Router>
  );
}

export default App;
```

style.css

```
/* Global Styles */
body {
  margin: 0;
  font-family: Arial, sans-serif;
}

.app-container {
  display: flex;
  flex-direction: column;
  min-height: 100vh;
}

/* Header Section */
.header {
  background-color: #004d40;
  color: white;
  display: flex;
  align-items: center;
  justify-content: flex-start; /* Aligns the content to the left */
  padding: 20px 40px; /* Increased padding for larger navbar */
  height: 80px; /* Increased height for a larger navbar */
}

.header .logo {
  font-size: 30px; /* Increased font size for logo */
  font-weight: bold;
  margin-right: 30px; /* Adds space between the logo and the navigation */
}

.header nav ul {
  list-style: none;
  margin: 0;
  padding: 0;
  display: flex;
  gap: 25px; /* Increased space between the links */
}

.header nav ul li {
  position: relative;
}

.header nav ul li a {
  color: white;
  text-decoration: none;
  font-size: 22px; /* Increased font size for links */
  padding: 12px 16px; /* Increased padding around the links */
}

.header nav ul li .dropdown {
  position: absolute;
  top: 100%;
  left: 0;
  background: white;
  color: black;
  display: none;
  list-style: none;
  padding: 10px 0;
```

```

    border: 1px solid #ccc;
    z-index: 10;
  }
.header nav ul li:hover .dropdown {
  display: block;
}

.header nav ul li .dropdown li a {
  padding: 12px 20px; /* Increased padding for dropdown links */
  display: block;
  color: black;
  font-size: 18px; /* Increased font size for dropdown links */
}

.header nav ul li .dropdown li a:hover {
  background: #f0f0f0;
}

/* Main Content */
.main-content {
  flex: 1;
  display: flex;
  align-items: center;
  justify-content: center;
  background: #f4f4f4;
  padding: 20px;
}

.main-content img {
  max-width: 100%;
  height: auto;
}

/* Footer Section */
.footer {
  background: #ffcc00;
  color: black;
  padding: 15px 40px; /* Increased padding for footer */
  display: flex;
  justify-content: space-between;
  align-items: center;
  font-size: 16px; /* Slightly increased footer font size */
}

.footer-content {
  display: flex;
  justify-content: space-between;
  width: 100%;
}

```

Home.js

```

import React from "react";

const Home = () => {
  return (
    <div>
      <h1>Welcome to GNITS</h1>
      <p>Explore the campus and academics here.</p>
    </div>
  );
}

```

```

    
</div>
);
};

export default Home;

```

About.js

```

const About = () => <h2>About GNITS</h2>;
export default About;

```

Academics.js

```

import { Link } from 'react-router-dom';

const Academics = () => (
  <div>
    <h2>Academics</h2>
    <ul>
      <li><Link to="/academics/cse">Computer Science and Engineering</Link></li>
      <li><Link to="/academics/it">Information Technology</Link></li>
      <li><Link to="/academics/ece">Electronics and Communication
Engineering</Link></li>
      <li><Link to="/academics/eee">Electrical and Electronics Engineering</Link></li>
    </ul>
  </div>
);

export default Academics;

```

Gallery.js

```

const Gallery = () => <h2>Gallery</h2>;
export default Gallery;

```

StudentCorner.js

```

const StudentCorner = () => <h2>Student Corner</h2>;
export default StudentCorner;

```

Cse.js

```
const CSE = () => <h2>Computer Science and Engineering</h2>;  
export default CSE;
```

ECE.js

```
const ECE = () => <h2>Electronics and Communication Engineering</h2>;  
export default ECE;
```

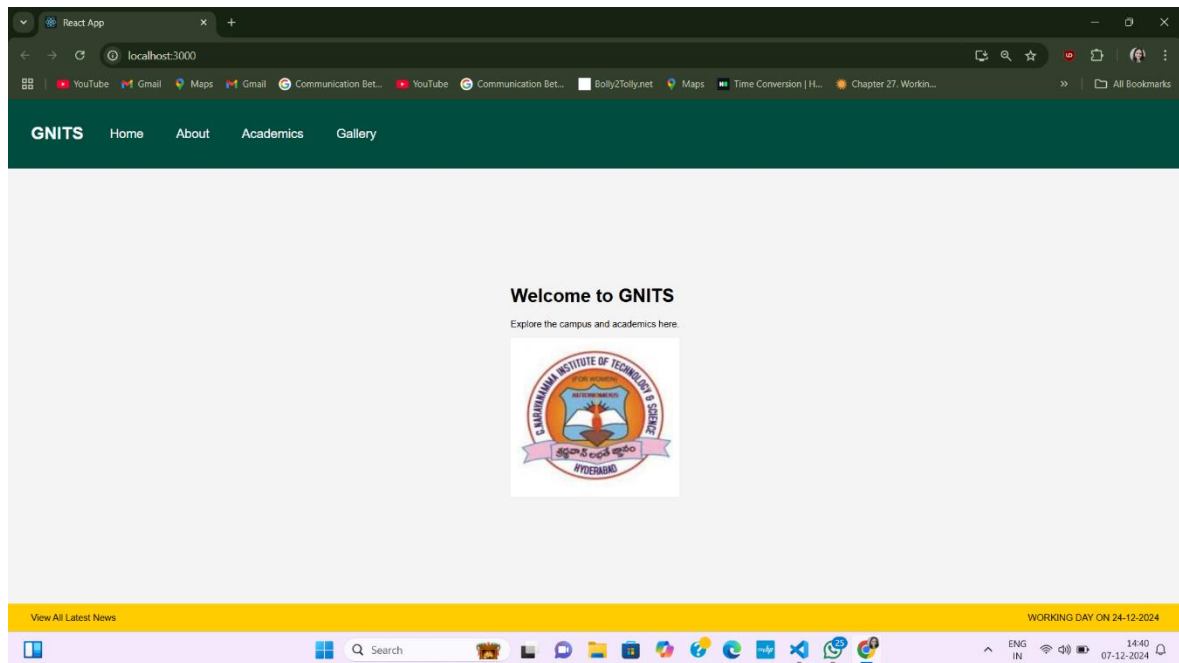
IT.js

```
const IT = () => <h2>Information Technology</h2>;  
export default IT;
```

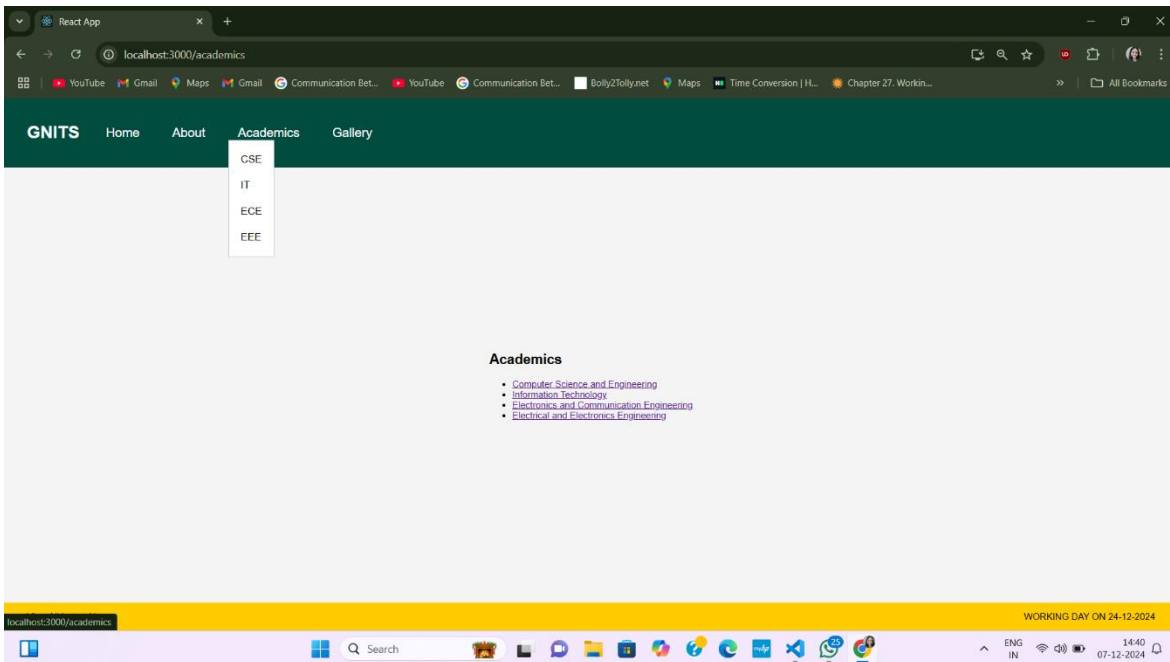
EEE.js

```
const EEE = () => <h2>Electrical and Electronics Engineering</h2>;  
export default EEE
```

1.Home page



3.Academics page



4.Branches

