

# PROJECT MID TERM REPORT

## ON

# NEWS APP



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
**INSITUTE OF ENGINNERING & TECHNOLOGY**  
**GLA UNIVERSITY, MATHURA**

**SUBMITTED TO**

Mr. Akash Kumar Choudhary  
(Technical Trainer)

**SUBMITTED BY:**

Prashant dhangar (201500503)  
Sarvagya Bansal (201500622)

# **INTRODUCTION**

Newspaper is one of the most popular and required assets of our daily lives. And, in today's hectic world, reading newspaper has become one of the traditional ways of reading the news. With the news being created every minute and relayed through TV, radio and internet, the updated news is already old by the next morning. And, that's why newspaper and magazine publishers are struggling to keep-up with the pace. Change is needed and Today magazine and newspaper lovers are moving towards reading news on mobiles and tablets .

So keeping this in the mind our main objective is to create a system in which we allows users to browse through news headlines for different categories such as Top Stories, General, Business, Technology, Entertainment, and so on. Furthermore, the app lets users glance through the news. The app makes use of Integration to fetch data from third-party Free APIs, and then populates the data to the front end of the app.

Front End languages (Html, CSS, Java-Script) communicate requests to Back End languages. Every website has a server, database, and other applications that interact with the Front End through code created by a Back End development. HTML, CSS, and JavaScript are the topmost languages used for Front End development. The structure, design, behavior, and content of everything seen on browser screens when websites, web applications, or mobile apps are opened up, is implemented by Front End developers. Hence, implementation of these front end languages in our project will provide the best, quick and accurate results which will be beneficial to the user at its utmost.

# CODE

- NAV BAR

```
import React from 'react'

import {NavLink} from "react-router-dom";

const Navbar=()=>=>{

  return (

    <div>

      <nav className="navbar fixed-top navbar-expand-lg navbar-dark bg-dark body-tertiary ;">

        <div className="container-fluid ">

          <NavLink className="navbar-brand " to="/">NewsBoy</NavLink>

          <button className="navbar-toggler " type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

            <span className="navbar-toggler-icon "></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarSupportedContent">

            <ul className="navbar-nav me-auto mb-2 mb-lg-0">

              <li className="nav-item"><NavLink className="nav-link" aria-current="page" to="/">Home</NavLink></li>

              <li className="nav-item"><NavLink className="nav-link" to="/business">Business</NavLink></li>

            </ul>

          </div>

        </div>

      </nav>

    </div>

  )

}
```

```

    <li className="nav-item"><NavLink className="nav-link"
to="/entertainment">Entertainment</NavLink></li>

    <li className="nav-item"><NavLink className="nav-link"
to="/health">Health</NavLink></li>

    <li className="nav-item"><NavLink className="nav-link"
to="/science">Science</NavLink></li>

    <li className="nav-item"><NavLink className="nav-link"
to="/sports">Sports</NavLink></li>

    <li className="nav-item"><NavLink className="nav-link"
to="/technology">Technology</NavLink></li>
</ul>

<span className="navbar-text"><NavLink className="nav-link"
to="https://www.linkedin.com/in/sarvagya-bansal"
target={'_blank'}>WebApp Designed By - Sarvagya
Bansal</NavLink></span>

</div>

</div>

</nav>

</div>

)

}

```

export default Navbar

- NEWS BOX

```
import React from 'react'
```

```

const Newsletter = (props) => {
  let {title,description,imageurl,url,author,date}=props;

  return (
    <div className="container my-3" >
      <div className="card" style={{height:"500px"}}>
        <_optEhHBTZkuJQLlCjLz-v3zzxp-1mpNQZsdjrbns=""
        className="card-img-top" alt="..."
        style={{height:"250px",width:"390px"}}/>
        <div className="card-body">
          <h5 className="card-title">{title}...</h5>
          <p className="card-text">{description}...</p>
          <p className="card-text"><small className="text-
muted">Article By {author?author:"Unknown"} on {new
Date(date).toString()}</small></p>
          <a rel="noreferrer" href={url}target="_blank" className="btn
btn-sm btn-dark">Read More</a>
        </div>
      </div>
    </div>
  )
}

export default Newsletter

```

- APP.JS

```
import './App.css';  
import React, { useState } from 'react'  
import Navbar from './component/Navbar';  
import News from './component/News';  
import {BrowserRouter,Routes,Route,}from "react-router-dom";  
import LoadingBar from 'react-top-loading-bar'  
  
const App = (props)=> {  
  const pageSize=21;//number of news to be diplayed on one page//  
  const apik=process.env.REACT_APP_NEWS_API;  
  const coun="in"  
  
  const [progress,setProgress]=useState(0);  
  
  return (  
    <BrowserRouter>  
      <Navbar/>  
      <LoadingBar  
        height={3}  
        color='#f11946'  
        progress={progress}  
      />  
      <div>  
        <Routes>  
          <Route exact path="/" element={<News key='General'  
setProgress={setProgress} api={apik} pageSize={pageSize} country={coun}  
category="/" />} />  
          <Route exact path="/business" element ={<News key="business"  
setProgress={setProgress}api={apik} pageSize={pageSize} country={coun}  
category="Business"/>}/>
```

```
<Route exact path="/entertainment" element ={<News  
key="entertainment" setProgress={setProgress}api={apik}  
pageSize={pageSize} country={coun} category="Entertainment"/>}/>  
<Route exact path="/health" element ={<News key="health"  
setProgress={setProgress}api={apik} pageSize={pageSize} country={coun}  
category="Health"/>}/>  
<Route exact path="/science" element ={<News key="science"  
setProgress={setProgress}api={apik} pageSize={pageSize} country={coun}  
category="Science"/>}/>  
<Route exact path="/sports" element ={<News key="sports"  
setProgress={setProgress}api={apik} pageSize={pageSize} country={coun}  
category="Sports"/>}/>  
<Route exact path="/technology" element ={<News  
key="technology" setProgress={setProgress}api={apik}  
pageSize={pageSize} country={coun} category="Technology"/>}/>  
</Routes>  
</div>  
  
</BrowserRouter>  
  
  )}  
  
export default App;
```

THANK YOU