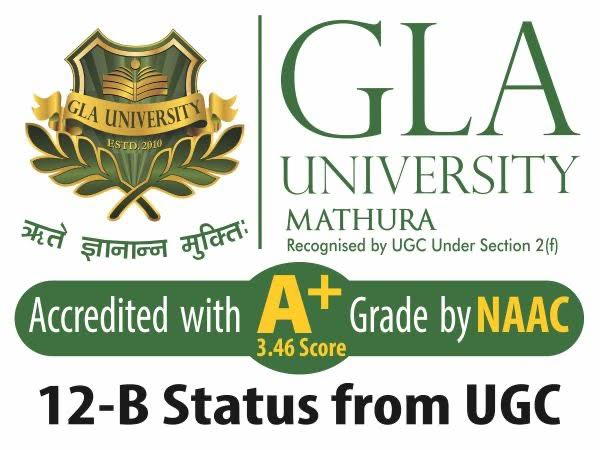


MINI PROJECT – 2

SYNOPSIS

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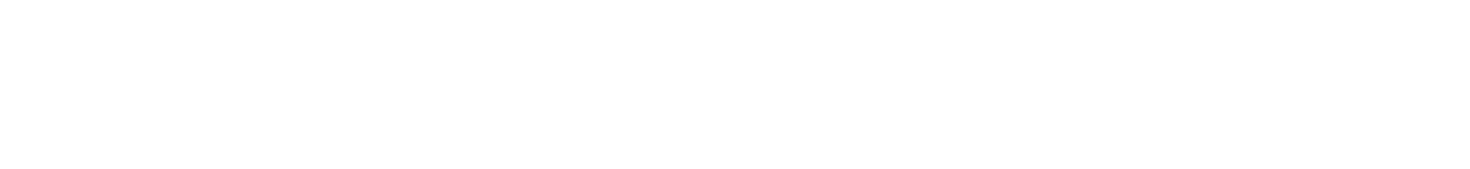
Department of Computer Science & Application

**Institute of Engineering & Technology**

SUBMITTED TO: - SUBMITTED BY: -

Ms. Ruchi Talwar DEEP CHAND(201500203)

ARYAN RAJ JOHRI (201500152)



# Acknowledgement

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. We owe special debt of gratitude to Ms. Ruchi Talwar , Technical Trainer , for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work.

His sincerity, thoroughness and perseverance has been a constant source of inspiration for us. We believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies. We also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

DEEP CHAND (201500203)

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ABSTRACT

The In Short clone web application is a project built using React and API. This application aims to replicate the functionality of the popular news aggregation platform, In Shorts. The application retrieves news articles from a third-party API and displays them in a concise format, with a summary of the article, an image, and a link to the original article. Users can also filter news articles by category, such as politics, sports, or entertainment. The React framework is used for building the user interface, while the API is responsible for retrieving and delivering the news data. The In Short clone web application offers an excellent opportunity for developers to gain practical experience with React and API integration while building a useful and relevant application.

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# INTRODUCTION

The In Short clone web application is a project that aims to replicate the functionality of the popular news aggregation platform, In Shorts, using React and API. In Shorts is a platform that provides news articles in a concise format, presenting only the essential information in a few lines. The In Short clone web application follows a similar approach, retrieving news articles from a third-party API and presenting them in a compact format that summarizes the article's main points.

The In Short clone web application is built using React, which is a popular JavaScript library for building user interfaces. React allows developers to create reusable components that can be easily combined to form complex user interfaces. In the In Short clone web application, React is used to build the user interface, providing an intuitive and responsive user experience.

The application's data is retrieved from a third-party API, which provides news articles in a structured format. The API retrieves articles from various sources and presents them in a standardized format, including a summary of the article, an image, and a link to the original article. The In Short clone web application integrates with this API to retrieve and display news articles, allowing users to filter articles by category and read more about the stories that interest them.

In summary, the In Short clone web application provides developers with an opportunity to gain practical experience with React and API integration while building a useful and relevant application. By replicating the functionality of a popular news aggregation platform, the In Short clone web application offers an exciting project for developers to work on, with the potential to expand and enhance the application's functionality further.



## SOFTWARE AND HARDWARE REQUIREMENTS

* Visual studio code
* XAMPP
* Notepad
* Internet connection
* 4 GB Ram
* Window 10

## PROJECT DESCRIPTION

The In short clone web application is a project that replicates the functionality of the popular news aggregation platform, Inshorts, using React and API. The project aims to provide a user-friendly, intuitive interface for users to access news articles quickly and easily, with the ability to filter by category and read more about the stories that interest them.

The project involves several key components, including:

1. User interface - The user interface is built using React and provides a clean, intuitive interface for users to access news articles. The interface includes various components such as news cards, category filters, and a search bar.

2. API integration - The project integrates with a third-party API to retrieve news articles. The API provides articles in a structured format, including a summary, image, and link to the original article.

3. Category filters - The project allows users to filter news articles by category, such as sports, entertainment, or politics. Users can select their preferred category from a list of options to view articles only in that category.

4. News cards - The news cards present articles in a concise format, providing a summary of the article's main points, an image, and a link to the original article. Users can read more about an article by clicking on the card.

5. Search bar - The search bar allows users to search for specific articles by keyword. The search function retrieves articles that match the keyword and displays them in the news cards.

Overall, the In Short clone web application is an exciting project for developers to work on, providing an opportunity to gain practical experience with React and API integration while building a useful and relevant application. The project has the potential to expand and enhance its functionality, such as adding user authentication, saving articles for later, or allowing users to share articles on social media platforms.



## 

## IMPLEMENTATION

To implement the In short clone web application using React and API, the following steps can be taken:

1. Set up the development environment - Install the necessary tools and dependencies, including Node.js, React, and a package manager like npm or yarn.

2. Create the React application - Use the create-react-app command to generate a new React application. This command sets up the initial project structure, including the necessary files and folders.

3. Build the user interface - Use React components to build the user interface, including news cards, category filters, and a search bar. Use CSS or a styling library like Bootstrap or Material UI to style the components.

4. Retrieve data from the API - Use a library like Axios or fetch to retrieve data from the API. The API should provide articles in a structured format, including a summary, image, and link to the original article.

5. Display articles in the news cards - Use the retrieved data to populate the news cards with articles. Each card should display the article's summary, image, and a link to the original article.

6. Implement category filters - Allow users to filter articles by category. Create a list of category options and use the selected category to filter the displayed articles.

7. Implement the search function - Allow users to search for articles by keyword. Use the search function to retrieve articles that match the keyword and display them in the news cards.

8. Test the application - Test the application thoroughly to ensure that it functions correctly, including retrieving data from the API, filtering articles by category, and searching for articles by keyword.

9. Deploy the application - Deploy the application to a hosting platform like Netlify or Heroku to make it available to users.

In summary, implementing the Inshort clone web application using React and API involves setting up the development environment, building the user interface, retrieving data from the API, and implementing category filters and the search function. The application should be tested thoroughly and deployed to a hosting platform to make it available to users.

## REFERENCES;

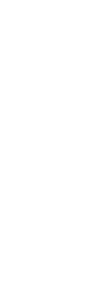
**Books:**

* Head First HTML and CSS

A Learner's Guide to Creating Standards- Based Web Pages Elisabeth Robin

Eric Freeman

* HTML & CSS : design and Build websites
* Learning Web design
* HTML 5
* React
* API’s
* Javascript



**Websites:**

* [www.w3schools.co](http://www.java.sun.com/)m
* [www.GeeksforGe](http://www.google.com/)eks.com
* [www.javatpoint.com](http://www.javawrench.com/)
* [www.codecademy.co](http://www.javaworld.com/)m
* [www.projectdeveloper.com](http://www.projectdeveloper.com/)

## Faculty Guidelines:

Ms. Ruchi Talwar

## Github Repository link

https://github.com/DEEPCHAND001/miniproject