



Sinhgad Technical Education Society's
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Master of Computer Application
Affiliated to Savitribai Phule Pune University and Approved by AICTE, New Delhi



ITC21 Mini Project Synopsis

Sem II Batch II 2024-26

“BlogSphere”

By

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“Roll No: 76”

Under the Guidance

Of

“Prof. Snehal Dhane”

Contents

1. Project name : BlogSphere
2. Roll Numbers and Names of Team members

Roll Number	Name
76	Prajwal Prakash Kulkarni

3. Scope of project

The scope of BlogSphere covers all the essential functionalities of a modern blogging platform. This project aims to provide a complete user experience for both content creators and readers. On this platform users can create, share, read, listen and interact with blog content. Allow users to discover, read, and interact with blogs via comments, likes, and shares. Personalized blog recommendations based on user preferences and reading history. Users can register, log in, and manage their profiles. Users can write, format, and publish blogs with rich text editors, including media support. This platform also help an individuals who want to publish articles and reach an audience, individuals who want to explore and read or listen blogs across various topics.

4. Existing System

There are many existing system which are currently in trending such as Blogs from google, Medium, WordPress, Tumblr, ghost, postach, etc. BlogSphere draws inspiration from these well-established blogging platforms. From above mentioned system Medium and Blogger are most widely used blogging platform across a word.

- Medium: A clean, user-friendly interface for both creators and readers. Medium offers features like blog recommendations, story highlights, and user engagement with applause (likes) and comments.
- Blogger: A simple, easy-to-use platform by Google that allows users to create blogs with minimal technical knowledge. Blogger offers basic customization and integration with Google services.
- WordPress: A powerful content management system that offers extensive customization, plugins, and themes for users. It has a broad user base, ranging from casual bloggers to professional content creators.

These systems serve as benchmarks, but BlogSphere aims to address the gaps by offering a personalized recommendation engine and blog listening feature, which are either limited or absent in existing systems.

5. Proposed System

BlogSphere proposes an advanced, user-centric blogging platform with enhanced functionalities, such as:

- **User-Friendly Interface:** A modern, responsive UI that allows users to easily create, read, and engage with content.
- **Blog Listening:** A text-to-speech feature enabling users to listen to blogs on the go.
- **Personalized Recommendations:** Blogs suggested based on a user's reading history, preferences, and engagement with other blogs.
- **Notifications:** Users will receive real-time notifications on likes, comments, and new content from followed blogs.
- **Engagement Features:** Options to like, comment, and follow bloggers, enhancing social interactions on the platform.
- **Data-Driven Insights:** By analyzing user activity, the system will provide users with tailored blog recommendations and encourage engagement.

6. Technologies used

In this project there are two ends one is front-end and another one is back-end. For front-end I am using latest and trending technologies like HTML, CSS, JavaScript and React. And for back-end I am using python's fast-api framework. For database I am using most stable and most widely used MySQL.

7. List of modules

- **User Authentication Module:** This module securely manages user sign-ups, logins, and sessions, utilizing techniques like password hashing and token-based authentication to ensure user data protection and privacy.
- **Blog Management Module:** This module allows users to create, edit, and publish blog posts, as well as manage categories and tags, ensuring a streamlined workflow for content creation.
- **Content Interaction Module:** Designed to enhance user engagement, this module enables users to comment, like, and share content, fostering community interaction and real-time feedback on blog posts.

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- **Notification Module:** This module sends timely alerts to users about new content, interactions (like comments or likes), and other relevant updates, helping to keep users engaged and informed.
- **Recommendation Module:** Utilizing algorithms to analyze user behavior and preferences, this module suggests personalized content to users, enhancing their experience and encouraging exploration of related topics.
- **Text-to-speech:** This feature converts written content into spoken words, making it accessible for users who prefer auditory consumption and broadening the audience reach of the content.
- **Search and Discovery Module:** This module facilitates efficient content searching through advanced filtering and sorting options, helping users easily find relevant articles or topics based on keywords or categories.
- **Analytics and Insights Module:** This module gathers and analyzes data on user interactions, content performance, and engagement metrics, providing valuable insights that can inform content strategy and improve user experience.

8. References

<https://medium.com/>
<https://www.blogger.com/>
<https://www.tumblr.com/>
<https://ghost.org/>
<https://postach.io/>
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