

Smart Journalism

Vaishnavi S Babu¹ and Prof. Rajitha. P. R²

Students, IV Semester, MCA¹

Assistant Professor, Department of Computer Application²

Sree Narayana Institute of Technology, Kollam, Kerala

vaishusbabu@gmail.com¹ and rprreji@gmail.com²

Abstract: *Journalism is an essential system in this modern era. In this project entitled “Smart Journalism” is trying to build up a SaaS based application that would help a journalist to adapt to their surroundings; record telephone interviews, record live events audio video streams capture pictures etc. This is a perfect tool for a journalist in breaking news situations. The job often in cludes working odd or irregular hours and travelling to conduct research or interviews. Some reporters also put themselves in dangerous situations, such as disaster sites or war zones, in order to get a story. In such situations Journalists can report the admin in any emergency situations. SaaS based concept is been implemented in this project via giving all the Media Admins to safely register over the system “Smart Journalist” where they have to select the plan which helps in adding the number of post they want to post in this application, After Successful registration of Media Admin, MA is used to create a profile for the journalist specifying the current media and thus generating a ID which uniquely identifies each of the Journalist from other Media Admins. An ID card and login detail is generated and emailed to the journalist. From which journalist is to login and create New Post with uploading images, audi os, videos, text etc. according to news category. Which once submitted by the Journalist is analyzed by the Media Admin for Approval, after Approval the Post is shared to the common user page created by the Media Admin with a specific design. Usually, some Journalists sometimes put themselves in dangerous situations to cover the breaking news. In such situations they can also state the message about the situation by which the Media Admin can manage & overcome the situations. The website utilizes various technologies and frameworks such as React, NodeJS, Express, MongoDB*

Keywords: SaaS (Software as a Service), React, NodeJS, Express, MongoDB

I. INTRODUCTION

“Smart Journalism” refers to a new approach to reporting that incorporates the use of technology and data-driven insights to enhance the quality, accuracy, and relevance of news content. This approach involves the use of various tools and techniques, including artificial intelligence, machine learning, and natural language processing, to gather and analyze large volumes of data from multiple sources, such as social media, government databases, and public records. One of the main objectives of smart journalism is to provide readers with more insightful and contextualized news coverage, by using data to identify trends, patterns, and relationships that are not immediately apparent to human reporters. This can lead to a more comprehensive understanding of complex issues and can help to uncover hidden or underreported stories. “Smart journalism” also aims to promote transparency and accountability by providing readers with access to the data and information that underpins news stories. By making use of interactive tools and visualizations, “smart journalism” can help readers to explore and understand complex issues in a more engaging and accessible way.

There are mainly four modules:

1. Super Admin
2. Media Admin
3. Journalist
4. Public

In this paper, we have 4 logins such as for super admin, media admin, journalist, public. The super admin has the overall control of the system. Super admin can approve/reject media admins, can approve/reject freelancers, can approve/reject news, view media details etc. The media admin is another module they can add journalists, can

approve/reject news. The journalist is the other module of the project. The journalist can add new posts. The public is another module of the project. The public can login in to the website. It provides a login page for the public they can view news, save news, comment, and edit their profile. It uses react as front end, Node.js & Express.js as backend and MongoDB as database. And also, it provides accuracy, reliability, ease of access and data security.

II. METHODOLOGY

Project Planning and Requirements Gathering: Define the objectives, features, and target audience of the website. Gather all the functional and non-functional requirements. Database Design: Design the database schema using MongoDB to store data, such as saved news, journalist details, media details, plan, etc. Backend Development with Node.js and Express.js: Implement the server-side logic to handle user requests, authentication, and interactions with the MongoDB database. API Development: Create RESTful APIs to handle CRUD operations (Create, Read, Update, Delete). User Authentication and Authorization: Implement user authentication and authorization using tools like JSON Web Tokens (JWT) to secure the API endpoints and manage journalist, public, media sessions. Frontend Development with React.js: Build the user interface for the website, allowing public to view news, save news, and comment. User Interface Design: Design an intuitive and visually appealing user interface with responsive layouts, making it accessible across different devices. User Interaction and Social Features: Allow public to comment news. Implement features to create public profiles and save important news. Testing: Perform unit testing, integration testing, and user testing to ensure the website functions correctly and meets the requirements. Security Considerations: Ensure data security by validating user inputs, sanitizing data, and protecting against common web vulnerabilities. Community and Feedback: Encourage user engagement, feedback, and community building to enhance the website's growth and content quality.

III. EXISTING AND PROPOSED SYSTEMS

An Existing system for the project is actually entirely different from the Proposed system i.e. the free-lance journalist capture the contents and interviews and the contents are either delayed to be shared with the media admins. The system does not connect the medias system together.

Proposed System overs almost all the possibilities and control the overall process off System. This System are connecting all the media together, Con Current updates can be received.

- “Smart Journalism” helps a journalist to adapt to their surroundings; record telephone interviews, record live events, audio video streams, capture pictures etc.
- During dangerous situations, the journalists can also state the message about the situation by which Media Admin can manage & overcome the situations.
- Can have helpline contacts which increases the safety of the employees / Journalists.

A) Limitations of the Existing System

- Need to visit each media.
- Limited accessibility of exclusive news.
- Not able to save news.
- To overcome the drawbacks on the existing system a new system has to be implemented. In the proposed system,

B) Advantages and Features of the Proposed System

- Access all media through one platform.
- Latest updated news of any media is firstly access through our site.
- News can be saved to public profile.
- Simple design
- Easy to operate
- Reliable & Secure

IV. BACKGROUND

Technologies used in this Project:

The MERN stack is a popular combination of technologies used to build web applications. MERN stands for MongoDB, Express.js, React.js, and Node.js. Each component of the stack has a specific role to play in the web application development process. MongoDB is a NoSQL database that is used to store and manage the application data. Express.js is a server-side framework for Node.js that helps in building RESTful APIs and handling HTTP requests. React.js is a front-end framework used for building user interfaces. Node.js is a server-side JavaScript runtime used to build scalable and high-performance applications.

V. CONCLUSION

SaaS based concept is been implemented in this project via giving all the Media Admins to safely register over the system “Smart Journalist” where they have to select the plan which helps in adding the number of news they want to post in this application, After Successful registration of Media Admin, MA is used to create a profile for the journalist specifying the current media and thus generating an id which uniquely identifies each of the Journalist from other Media Admins. An ID card and login detail is generated and emailed to the journalist. From which journalist is to login and create New Post with uploading images, videos, text etc. according to news category. Which once submitted by the Journalist is analysed by the Media Admin for Approval, after Approval the Post is been shared to the common user page created by the Media Admin with a specific design. Usually, some Journalist sometimes put themselves in dangerous situations to cover the breaking news in such situation they can also status the message about the situation by which Media Admin can manage & overcome the situations.

VI. FUTURE ENHANCEMENT

Fully converting the Application to android will make the applications future highly mobile and it may increase the ease of use which will make the work flow of the system much more effective and faster.

VII. RESULTS AND DISCUSSIONS

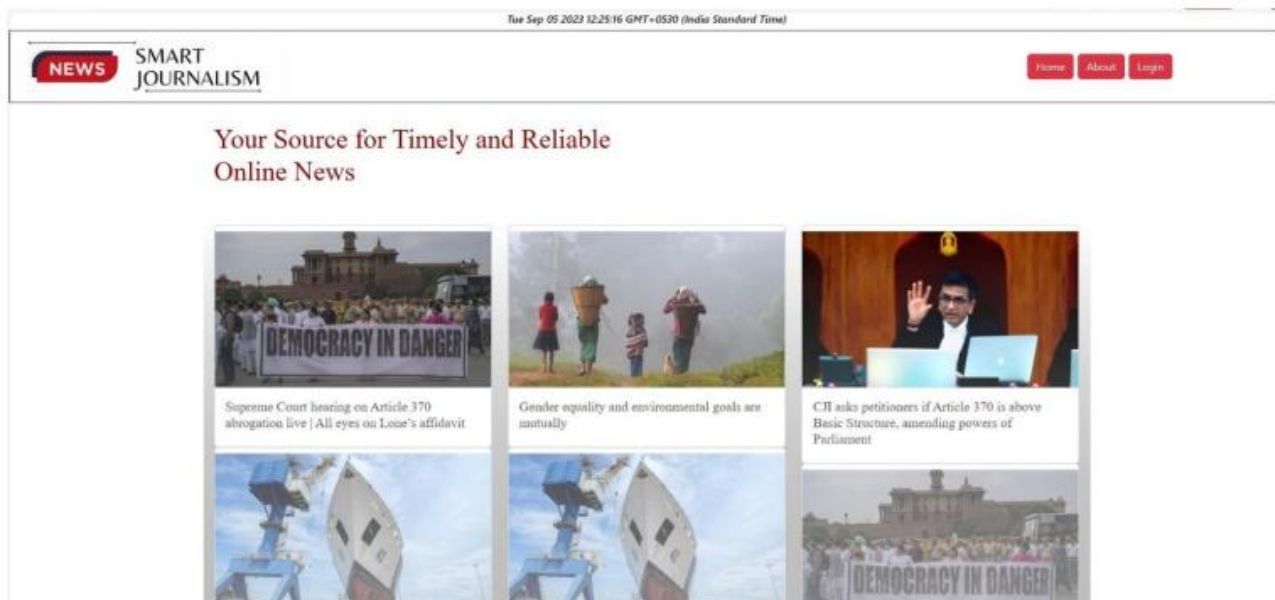


Figure 1: Home Page

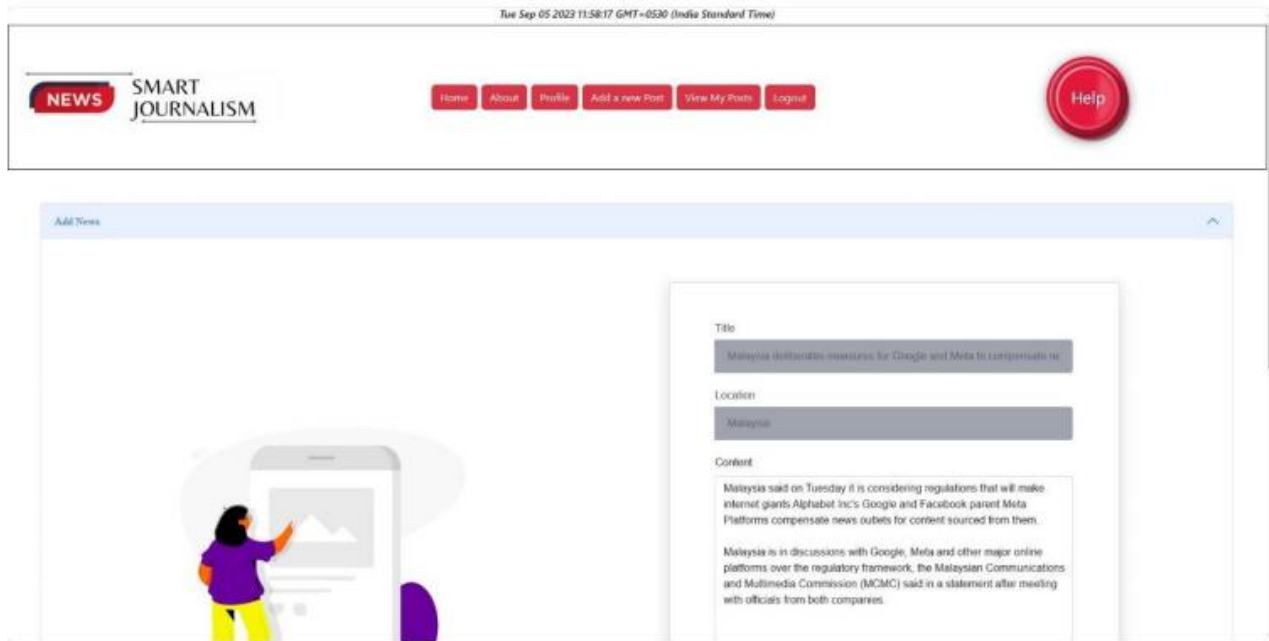


Figure 2: Journalist posting news

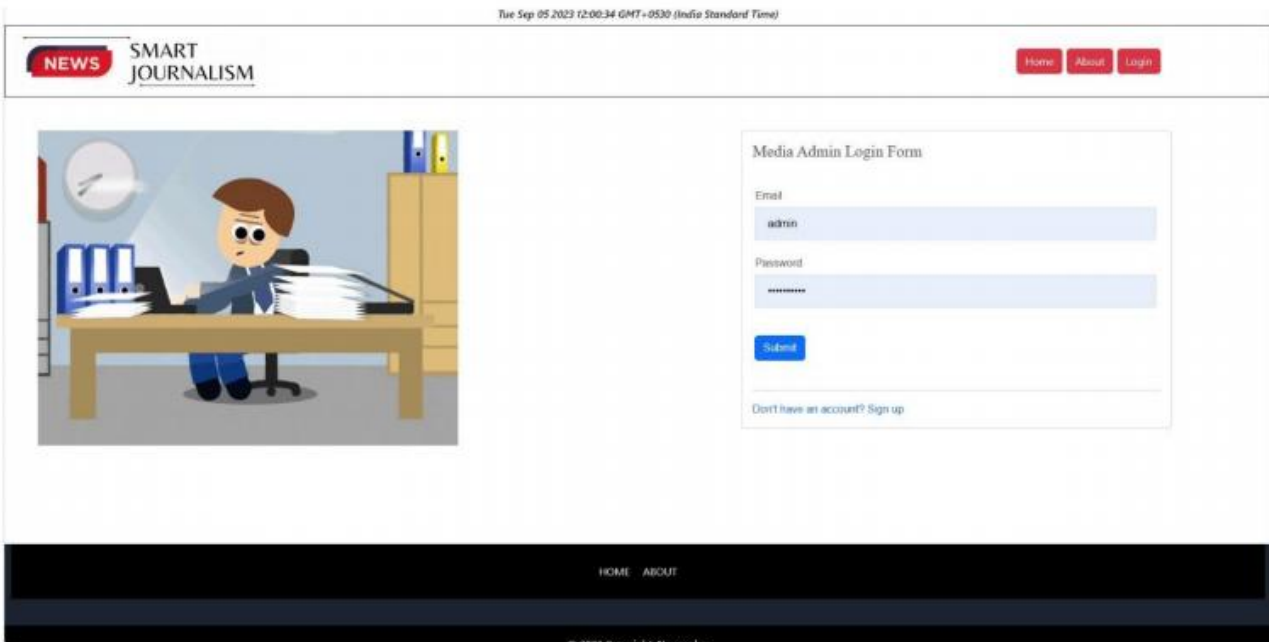



Figure 3: Media Admin login page

Manage Media News

News to be Approved

News Requests



Witch-hunt against Tejaswini Desai highlights dangers of being a teacher in India today India

India, Tue Sep 05 2023 12:03:08 GMT+0530 (India Standard Time)

What happened to Professor Tejaswini Desai of Kolhapur can happen to anyone in the teaching community. It tells you of the perils of being a teacher in India of our times. Teachers can no longer assume that the class is over after the stipulated period of 55 or 60 minutes. Whatever transpired in the class can continue to be played out on social media for days on end, often without the teacher even being aware of it. The teacher can then be held accountable by those who have never been part of their class, people they have never known, and whose opinions they will now have to face.

[Approve](#)

Video Requests

Figure 4: New Approval

Tue Sep 05 2023 12:12:16 GMT+0530 (India Standard Time)

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Figure 5: Public News View

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