PROJECT PROPOSAL
(Rough Draft)

Topic

A crowdsourcing website, for writers, to create content and share them as articles for their readers or for new users looking to learn and gain insights from these articles.

Objective

To provide *a platform* for article writers or original content creators to share their views/knowledge/perspectives with the world while also earning a small benefit based on the number of views of their work.

Proposed Solution

A mobile-responsive web application, that _acts as a platform_ where end-users/viewers can interact and read articles published by article writers or original content creators **and** verified content creators can write/share new articles based on Culture and Civilization, Defence and Security, Science and Technology, Stories, Essays and other similar categories.

Writers need to be verified by the admin in order to be able to create new content. Once verified, the writers can write articles and add a category label to those articles to categorize them based on the reader's interest. As of the first release, the categories can be limited to certain labels as mentioned in the previous paragraph.

Readers can search for any existing article present in the system/database using the _article search feature_ as well as surf for articles based on certain labels/categories.

Readers may also choose to read articles published by a specific writer they wish to follow, hence a publisher profile page will be available for every writer, which shall contain some of the publicly visible details of the publisher along with all the articles that the writer has published to date.

For this phase, there won't be an interface for admin and all admin actions are performed through the terminal/command panel. However, for future versions, an interface for the admin panel can be created.

Project's working model specifications

1. **Software specification**
   a. The <u>database</u> will be developed using <u>MongoDB</u> (a source-available cross-platform document-oriented database program)
   b. The user interface will be designed using <u>React framework</u> (a free and open-source front-end JavaScript library for building user interfaces based on UI components)
   c. The backend and API endpoints will be created using the ExpressJs framework(open-source software under the MIT License for building web applications and APIs)

2. **Hardware specifications -** A desktop(Windows/Mac) with a minimum of 8GB ram and 64GB Storage on disk.

3. **Deployment specifications -** Yet to be decided