

**Project Proposal**

**Course Code: CS4053**

**Course Title: Recommender Systems**



**Section: BCS-8A/8B**

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**LetterBookxd | A Book Recommender System**

**Introduction:**

LetterBookxd will develop a book recommendation system using content-based and collaborative filtering techniques. Leveraging the Goodreads book review dataset, the system aims to provide personalized recommendations, enhancing the user reading experience.

**Dataset:**

The "Goodreads Book Review" dataset comprises diverse user reviews and ratings for various books, enabling comprehensive analysis for personalized recommendations.

Source: [Goodreads Books Dataset | Kaggle](https://www.kaggle.com/competitions/goodreads-books-reviews-290312)

**Ratings:**

Utilizing user ratings and reviews, the system will generate tailored book recommendations, considering user preferences and past interactions.

**Techniques:**

* **Content-Based Filtering:** Recommends books based on attributes like genre, author, and user preferences.
* **Collaborative Filtering:** Identifies user behavior patterns to suggest books enjoyed by similar users.

**Undertaking:**

We pledge to develop LetterBookxd with integrity, ensuring no engagement in dishonest practices. Our goal is to deliver a high-quality recommendation system that respects user privacy and offers diverse reading choices.