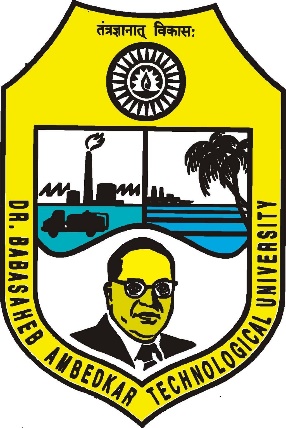
**Dr. Babasaheb Ambedkar Technological University Lonere**

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**A Report On**

**“Next Chapter A Book Recommendation Platform”**

**Submitted By:**

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**DEPARTMENT OF COMPUTER ENGINEERING 2024-2025 **

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**CERTIFICATE**

This is Certify Mr. Pandharpote Mahadev Bharat, Vikas Vilas Khodtode and Hanute Shivam Vasant Student of Computer Engineering, being roll no. 05, 31, 39 has successfully completed Project Phase-I on **“****Next Chapter A Book Recommendation Platform”**

To my satisfaction and submitted the same during the academic year 2024-25 towards the partial fulfilment of Engineering under Dr. Babasaheb Ambedkar Technological University Lonere, under department of computer Engineering, Vilasrao Deshmukh Foundation Group of Institution, Latur.

**Guide** **HOD**

**Prof. Wakhare Y.R. Prof. Wakhare Y.R.**

**Principal**

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**Group of Institution**

**Latur**

**ACKNOWLEDGEMENT**

We would like to express our heartfelt gratitude to all those who have contributed to the successful completion of this Project Phase-I report on **“Next Chapter A Book Recommendation Platform”**

We would like to thank our esteemed college faculty and management for providing we with the opportunity to undertake this Project Phase-I. Their belief in my abilities and their constant encouragement throughout the process have been invaluable.

We extend our sincere appreciation to my Project Phase-I guide, **Prof. Wakhare Y.R.** for their immense support and guidance. Their expertise in the field of development and their invaluable insights have been instrumental in shaping the content and structure of this report.

Their patience, availability, and willingness to address my queries have greatly enhanced my understanding of the subject matter.

I also thank all thee teaching and non teaching staff members who inspired me to carry on the work and overcome the difficulties encountered during the implementation.

I must also thank to my family members and all the individuals who have helped to make this report more enjoyable tha I imagined. I am very grateful to all the friends for their skillful suggestions which have been incorporated in this work.

**ABSTRACT**

The Book Recommendation System is a sophisticated application designed to help users discover books tailored to their preferences by leveraging machine learning techniques. This system employs a dual approach Popularity-Based Filtering and Collaborative Filtering to provide both general and personalized recommendations. The popularity-based method highlights top-rated and widely-read books, catering to users seeking trending options. Meanwhile, the collaborative filtering approach personalizes suggestions by analyzing user interactions and identifying patterns of similar interests.

The system integrates diverse datasets containing user ratings, book metadata, and user profiles. Preprocessing techniques ensure data quality by handling duplicates, null values, and inconsistencies. Advanced similarity computations using Cosine Similarity enable accurate matching of user preferences with potential book choices. The system is implemented using Python with frameworks like Flask for web integration and libraries like NumPy and Pandas for efficient data handling.Key achievements include a fully functional web-based interface, seamless integration of recommendation algorithms, and user-friendly features like a contact page for feedback. The project also focuses on scalability, ensuring it can handle extensive datasets and provide real-time recommendations. Looking ahead, the system has significant scope for enhancement. Future plans include integrating deep learning techniques, addressing cold-start problems, expanding datasets using APIs, and developing a mobile application. Additionally, incorporating user reviews, sentiment analysis, and real-time updates can further refine the recommendation process.This project demonstrates the practical application of machine learning in simplifying decision-making and enriching user experiences. By connecting users with books they are likely to enjoy, the system not only promotes reading but also showcases the potential of data-driven solutions in everyday life.

**CONTENTS**

|  |  |
| --- | --- |
| **ABSTRACT** |  |
| **CHAPTER 1 : INTRODUCTION** | **1** |
| * 1. Aim of project and objective | 1 |
| * 1. Background of Project | 2 |
| **CHAPTER 2 : LITERATURE SURVEY** | **3** |
| 2.1 Literature survey | 3 |
| **CHAPTER 3 : METHODOLOGY** | **5** |
| 3.1 Methodology | 5 |
| **CHAPTER 4 : IMPLEMENTATION** | **9** |
| 4.1 Coding and Outputs of web page | 9 |
| 4.2 Recommend Books source code and output | 16 |
| 4.3 After enter wrong input in recommended box | 21 |
| 4.4 Contact page source code and ouput | 22 |
| 4.5 Other Css part | 25 |
| **CHAPTER 5 : SOFTWARE & HARDWARE REQUIREMENTS** | **29** |
| 5.1 Software Requirements | 29 |
| 5.2 Hardware Requirements | 30 |
| **CHAPTER 6 : REQUIREMENT ANALYSIS** | **31** |
| 6.1 System requirement specification | 31 |
| 6.2 Software tools used | 33 |
| 6.3 Machine learning algorithm | 37 |
| 6.4 Applications | 39 |
| 6.5 Advantages | 41 |
| 6.6 Disadvantages | 43 |
| **CHAPTER 7 : RESULT** | **45** |
| **CHAPTER 8 : CONCLUSION** | **47** |
| **CHAPTER 9 : FUTURE SCOPE** | **49** |
| **CHAPTER 10 : REFERENCES** | **50** |
|  |  |
| **LISTS OF FIGURES** |  |
| Figure 1: Collaborative Filtering | 6 |
| Figure 2: Popularity based recommendation | 15 |
| Figure 3: Top 20 Books | 15 |
| Figure 4: Recommendation Book page before input | 20 |
| Figure 5: Recommendation Book page after input | 20 |
| Figure 6: After Entering wrong input | 21 |
| Figure 7: Contact page | 24 |
| Figure 8: Experiment Result | 45 |
| Figure 9: Before Recommendation | 46 |
| Figure 10: Recommendation Results | 46 |

**DECLARATION**

I hare by declare that project report entitled “Next-Chapter a Book Recommendation Platform” an authentic of record of my won work for the award of degree B.Tech in Computer Engineering “Vilasrao Deshmukh Foundation, Group of Institution Latur.

The project is done in partial fulfilment of the requirements for the award of degree BACHELOR IN TECHNOLOGY (COMPUTER ENGINEERING) to be submitted as a Seven semester project as part of our curriculum.

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