VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A R MINI PROJECT REPORT ON

MOVIE RECOMMENDATION SYSTEM

IN

COMPUTER SCIENCE & DESIGN ENGINEERING

By

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE AND DESIGN ENGINEERING

CERTIFICATE

This is to certify that the R Mini Project entitled **"MOVIE RECOMMENDATION SYSTEM"** has been successfully completed by
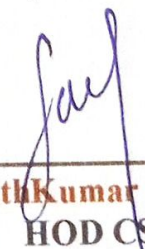
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the bonafide students of **Department of Computer Science and Design & Engineering, Alva's Institute of Engineering and Technology** in **DEPARTMENT OF COMPUTER SCIENCE AND DESIGN & ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELAGAVI** during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the Bachelor of Engineering Degree.

Dr. SHIVPRASAD B J
Mini Project Guide

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ABSTRACT

The project describes the Movie Recommendation System . The report will help you to know in deep the actual work that has been done as a team work. This mini-project presents the development of a movie recommendation system using the R programming language. With the proliferation of digital media platforms, the need for effective recommendation systems to assist users in discovering relevant content has become increasingly evident. The system's architecture encompasses data collection, processing, and recommendation generation stages. R's extensive libraries and packages, such as dplyr and recommender lab, are utilized for data manipulation and recommendation algorithm implementation. Various recommendation techniques including collaborative filtering, content-based filtering, and hybrid methods are explored and implemented to enhance the system's accuracy and user satisfaction. Through this project, insights into the challenges and opportunities in building recommendation systems using R are gained, paving the way for further exploration and innovation in the field..