**CERTIFICATE**

Certified that **Aman Dhiman (2200290140023), Aman Kumar (2200290140024)** have carried out the project work having “**FILMFLICKS FINDER**” (**Project-KCA451**) for **Master of Computer Application** from Dr. A.P.J. Abdul Kalam Technical University (AKTU**)** (formerly UPTU), Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

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**FLIMFLICKS FINDER**

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**ABSTRACT**

This project report details the creation and execution of Film Flicks Finder, a sophisticated recommendation system tailored to offer personalised movie recommendations in the age of excessive information. The system uses collaborative and content-based filtering methods, incorporating machine learning algorithms to examine user behaviours, ratings, and viewing histories. The paper offers a thorough examination of the research framework, encompassing system architecture, data pre-processing, feature engineering techniques, and model selection and design.

Text processing techniques like stemming, bag-of-words and TF-IDF are used to analyse textual movie data. The system improves recommendation accuracy by evaluating film similarities through algorithms such as cosine similarity and Euclidean distance. The research concludes by proposing future directions that focus on exploring advanced machine learning techniques, integrating social media, enhancing content support, and refining the evaluation framework.

Film Flicks finder is an innovative recommendation system that provides personalised and accurate movie suggestions in the extensive and varied world of cinema. The study contributes to the continuous development of recommendation systems, focusing on the difficulties presented by the increasing content options and the requirement for personalised recommendations in the current rapidly changing digital landscape.

**ACKNOWLEDGEMENTS**

Success in life is never attained single-handedly. My deepest gratitude goes to my project supervisor, **Ms. Divya Singhal** for her guidance, help, and encouragement throughout my project work. Their enlightening ideas, comments, and suggestions.

Words are not enough to express my gratitude to Dr. Arun Kumar Tripathi, Professor and Head, Department of Computer Applications, for his insightful comments and administrative help on various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and indirectly provided me with moral support and other kind of help. Without their support, completion of this work would not have been possible in time. They keep my life filled with enjoyment and happiness.

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