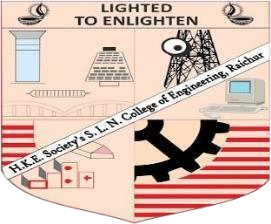
 **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**H.K.E. SOCIETY'S S.L.N. COLLEGE OF ENGINEERING**  **RAICHUR - 584 135**

**A PROJECT REPORT ON**

**“USER INTEREST BASED SOCIAL MEDIA DATA RETRIEVAL SYSTEM”**

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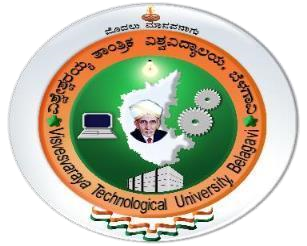
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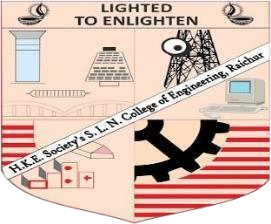
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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CERTIFICATE**

Certified that the Project work on topic “**User Interest Based Social Media Data Retrieval System**” is a bonafied work carried out by **Anudeep babu k (3SL19CS006), Basanagowda (3SL19CS011), Raghavendra D(3SL19CS035), Vinodkumar Sankranthi (3SL19CS055)** in partial fulfilment for the award of degree of **Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University**, Belgaum during the year **2022-2023**.It is certified that all corrections/suggestions indicated for internal assessments have been incorporated in the report deposited in the department. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the **Bachelor of Engineering Degree.**

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**1.**

**2.**

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**ABSTRACT**

Recently, there has been a significant rise in the ecommerce industry and more specifically in people buying products online. There has been a lot of research being done on figuring out the buying patterns of a user and more importantly the factors which determine whether the user will buy the product or not. In this study, we will be researching on whether it is possible to identify and predict the purchase intention of a user for a product and target that user towards the product with a personalized advertisement or a deal. Further, we wish to develop software that will help the businesses identify potential customers for their products by estimating their purchase intention in measurable terms from their tweets and user profile data on twitter. After applying various text analytical models to tweets data, we have found that it is indeed possible to predict if a user have shown purchase intention towards a product or not, and after doing some analysis we have found that people who had initially shown purchase intention towards the product have in most cases also bought the product.

Digital marketing is taken into account the well-liked method comparing to traditional marketing. It can be used by both researchers and academicians for social media marketing and to predict the customers purchase intention. The Proposed work revolves around some valuable information and processes in accordance to the behavior of customer during the online purchase. Business owners, scientists, researchers all post their ads, details on the Web so that they can be linked to owners quickly and easily by web scrap searching on searchable product websites to gain a lot of data from websites. Hence, customer price and rating of product evaluation and prediction has become an important research area. The analysis is done by Support Vector Machine (SVM- Linear) to gather several information and provide variation analysis. The major goal remains to investigate and analyze the extracted dataset using ML oriented algorithms with best accuracy possible. The analysis has a proper path to sentimental analysis of parameters in accordance to the ratings and price of the product to find proper accurate calculations.

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