



**FINAL YEAR PROJECT REPORT**

# **YOUTUBE TRENDING VIDEO ANALYSIS**

**In fulfillment of the requirement  
For degree of  
BS (COMPUTER SCIENCES)**

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**DECLARATION**

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## YOUTUBE TRENDING VIDEO ANALYSIS

### ABSTRACT

YouTube is a global online video sharing and social media platform currently owned by Google. Trending videos represent the content that is gaining viewership over a certain period. While popular videos get a huge number of likes and views with time. Trending video analysis has not been properly analysed yet despite their importance. The study is conducted to analyse features to determine the importance of variables for the trendiness of a video and focuses on how these features help a video to trend on YouTube. The study also includes learning different models on the dataset but will also conduct a comparative analysis between yearly datasets. Our work also includes classification models known as Hard Voting, Gradient Boosting, Gaussian Naïve Bayes, Logistic Regression, and Random Forest to determine which model suits better for prediction.

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