**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

**PROJECT REPORT**

**Title: " Sentiment Analysis on Movie Reviews"**

**Team No: Section No:2B**

**Problem Statement:** The system cannot display to the user a ranked list of movies concerning their ratings. Despite the functionality of the sentiment analysis model in classifying a movie review as either positive or negative, it does not facilitate the need for displaying top-rated movies. This consequently constrains users from easily accessing the top-rated movies, which would be vital in decision-making concerning movie viewing.

**Aim:**

The objective of the project is to create a machine learning model that can perform accurate classification of movie reviews either as positive or negative. However, this system is not integrated to rank the movies by their ratings; hence, making it difficult for users to determine the top movies in rank order with the highest ratings.

**Algorithm Used:**

Sentiment Classification

Movie Rating Ranking

**Integration with AI:**

**Datasets:** The datasets will have review text and relative sentiment labels, such as Positive, Negative with the rating for the movie.

**AI Models:**

Logistic Regression

Support Vector Machines (SVM)

Naive Bayes

Neural Networks

Sorting Algorithms

Collaborative Filtering or Content-Based Filtering (Future Scope)

**Team members:**

Raveena S - 2320040043

P Srujana - 2320040053

B Tejaswini - 2320040011