**BABU BANARASI DAS ENGINEERING COLLEGE,**

**LUCKNOW (AKTU College Code 508)**

# Department of Computer Science & Engineering

***Academic Session 2022-23 [Odd Sem]***

**B.TECH PROJECT [KCS753]**

# Project Progress Report – 3

**Project Title:** Dynamic Product Review Using Sentiment Analysis

**Type of Model:** Software Based

## Project Objective:

* Generate dynamic product review reports using supervised machine learning
* Identify and analyze the sentiments and keywords of reviews for the given products
* Create a web application frontend to allow interactive user access
* Provide a visual representation of the generated analysis data
* To facilitate easier and faster product research for users before making consumer decisions

## Work Completed:

* Two modules have been completed, that is Review Analysis Backend and basic front end for user interface.
* Created scrapers to fetch review data for targeted products from Amazon and Flipkart.
* Implemented sentiment analysis, keyword generation, and summarization of reviews from both Amazon and Flipkart
* Improved model performance by 20% through multi-threading and caching
* Implemented automatic search functionality for available products on other platforms

**Percentage of Work done:** 70% since last reporting. **Progress of Work:** Review analysis and basic frontend is done, frontend can be further improved, feature-based reviews to be added

## Name of the team member:

* Aditya Jayant Gupta (1905080100005)
* Aditya Kumar Yadav (1905080100006)
* Harsh Prajapati (1905080100035)

Name & Signature of the Project Guide