PROPOSED SOLUTION

Date	27.09.2022
Team ID	PNT2022TMID04251
Project Name	News Tracker Application
Maximum marks	2 Marks
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S. No	Parameter	Description
1.	Problem statement	News tracking often never comes in handy as we have to access Google, and search for the relevant topics. Eventually some of them are fake and not the exact kind of news we look for. Tracking the news hence will help people to avoid boring, fake and helps in finding the desired news. As our lives are very busy these days, we often feel we need more than 24 hrs. a day to cope up with everything we have in our schedule. Well, that's not possible but reducing the time by changing the conventional method of reading news can help. Just tell us what market news you're interested in and get a quick peek for the day. Only read what you feel is relevant and save your time. This app helps you to query for all information about Indices, Commodities, Currencies, Future Rates, Bonds, etc.… as on official websites.

2.	Idea description	The amount of data has grown exponentially with the increasing networks and information passing around through internet. The concern ultimately, is the selection and identification of extracting the knowledge of interest for different kinds of people. In the current models, the LDA (latent Dirichlet allocation) technique is used to extract topics from news texts. It is supported with various other processes like Gibbs Sampling method to speculate parameters. The topic mining using the K-means method is compared to highlight the advantages of using LDA for topic discovery. Second, the improved single-pass algorithm is used to track news topics.
3.	Novelty / uniqueness	Clustering of the various messages, probable news with the format or structure, can be used to find the topic of relevance or interest by the people who need to view the news based on it. The improvement of the common agglomerative hierarchical clustering algorithm based on average-link method, which is used to implement the retrospective topic detection and the online topic detection of news stories of the stocks is implemented already as per the submitted paper.
4.	Social impact / customer satisfaction	Ultimately tracking of news by using stochastic models are also i o information occurring in fragments. These are formed by the sto tracking in news channels and in documents. Using the Kullback- er divergence, we can: 1) Identifying the same topics 2) Clustering the similar nodes 3) Topic selection 4) Topic Detection Real time updates can be obtained by everyone at anytime and here in the area of interest without any hassle.

5.	Business model (financial benefit)	The Financial Benefit that can be obtained from this model is nothing but the increased and optimized reach of the news and related information's which can save up to 70% efficiency compared with the other apps and also this can lead to the conservation of time of every people using. This can bring about a marginal profit of more than the average news apps with all these enhanced algorithms and the clustering coming into the existence. Using every choice, selection and interest of the user as the main topics of consideration for the clustering this can be a major turn over in every news information application industry.
6.	Scalability of solution	In this project, the use of the K-Means clustering Algorithm can make the project a highlighted one for the main use of sorting the topics from the news text and sometimes to identify the main clauses from the text to make the concern of the customers perfected with all the necessities and selection of the news that is only need to the time of the search. With the clustering of various messages the news with certain format or structure is used for finding the news related to the topics or interest of the people with the consideration of the opinions of the people sharing similar interest by analyzing the news circulation in twitter. Breaking news being posted are being categorized with groups, ranks and tacks enlisted. Without using the ML model the twitter messages are directly made into the intermediate value being called the timeline which is to be tackled for the optimized use and recovery respectively. Agglomerative Hierarchical Clustering Algorithm helps in the implementation of the retrospective topic detection and the online topic detection of news stories of the stocks implementation. With all the stochastic models usage in information fragments ultimate tracking of the news and the follow-up of the channels is well monitored.