IBM NALAIYA THIRAN
NEWS TRACKER APPLICATION

TEAM **:** PNT2022TMID51641

DOMAIN **:** CLOUD APPLICATION DEVELOPMENT

PROJECT NAME **:** NEWS TRACKER APPLICATION

BATCH **:** B8-2A4E

DEPARTMENT **:** CSE

COLLEGE NAME **:** MAR EPHRAEM COLLEGE OF ENGINEERING
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NEWS TRACKER APPLICATION

INTRODUCTION:

News is one of the primary source of gaining information about the actions and events that happen all around. It may be an event that happened in the past, happening now or going to happen in the future. In the present days where there is a rapid increase in the development and adaptability of technologies throughout all the demographic of people, it is necessary to provide news in such a way that it is interconnected with the current technological trends. 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 and so on as on official websites.

LITERATURE SURVEY:

Here, we will take a look at all the previous solutions, attempts and implementations to the news tracker application or anything that is at least vaguely related to it.

EXISTING SOLUTIONS:

News Break is a popular website to read ongoing and past news via the internet browsers. The website works by aggregating news from various sources and presents them in a likeable manner for the users to read it.

The website also offers the ability for users to sign up to the so said website and record their progress, manage profiles, no. of news read, bookmark news, commenting on news ends and so on.

LITERATURE SURVEY:

S. NO	PAPER TITLE	AUTHOR	SOURCE	METHODS	RESOURCE LINK
1	Exploring mobile news reading interactions for news app personalization	Marios Constantin ide s,John Dowell, David Johson, Sylvain Malacria	ResearchGate	1. Identification of news reader types 2. Interaction logging and classification study 3. Deployment and data collection 4. Predicting News readertypes 5. Adaptive UI	https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation
2	Detection and Tracking in News Articles	Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel	ResearchGate	1. Preprocessing 2. Tokenization 3. Stemming/L emmization 4. Vector SpaceModel 5. Topic tracking	https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles
3	Following the Fed with a News Tracker	Michael William McCracke n	ResearchGate	1. The paper is a statistical paper 2. Data have come in stronger, weaker or as expected. 3. CitiGroup U.S Economic Surprise Index.	https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker
4	An End-to-end Weaklysupervised News Aggregation Framework	Xijin Tang, Xiaohui Huang	ResearchGate	1. Snorkelbased weaklysupervised classification 2. Latent Dirichlet Allocation (LDA) topic modeling, and topic signal detection 3. the temporal topic relationships and get the visualized results of news aggregation.	https://www.researchgate.net/publication/361087328_An_End-to-end_Weakly-supervised_News_Aggregation_Framework
5	An Approach to News Event Detection and Tracking Based on Stream of Online News	Yajie Qi, Li Zhou, Huayou Si, Jian Wan, Ting Jin.	IEEE Xplore	1. Event detection and tracking technology 2. Based on the idea of single-pass clustering algorithm. 3. Algorithm has a good effect on hot event detection.	https://ieeexplore.ieee.org/document/8048142
6	Android News App	Brijesh Joshi, Nehal Patel.	Research India Publications	1. Fast and information oriented world we need to stay updated with every incidents and news too. 2. Application is to connect news articles from all around the world and deliver it to user as fast as possible in best visualize way.	https://www.ripublication.com/ijaer18/ijaerv13n11_78.pdf

| 7 | Research on Topic Detection and Tracking for Online News Texts | Guixian Xu, Yueting Meng, Zhan Chen, Xiaoyu Qiu, Changzhi Wang, HaishenYao. | IEEE Xplore | 1. Topic tracking
2. LDA model is used to extract topics from news texts
3. Gibbs Sampling method is used to speculate parameters.
4. single-pass algorithm is used to track news topics.
5. The JS (Jensen-Shannon) divergence | https://ieeexplore.ieee.org/document/8703401 |