News Tracker Application

**Introduction**

One of the main ways to learn about the things that are happening around you is through the news. It could be an upcoming event, one that has already occurred, or one that has already in the future take place. In the present, when development and technology are growing quickly, it's important to create technology that is adaptable to any demographic of people news that is tied to the most recent technical advances.

We frequently feel that we need more than 24 hours a day to do everything on our calendar because our lives are so hectic these days. That's not realistic, but you can cut down on the time by reading the news differently than you usually do. Simply let us know what market news you're interested in to receive a daily sneak glance. Save time by reading only the content you choose to be pertinent. With the aid of this software, you may search for all available data on indices, commodities, currencies, future rates, bonds, etc., just as on reputable websites.

**Literature survey**

Here, we'll examine every prior approach, attempt, and implementation for the news tracker application—or anything even somewhat associated with it**.**

**Existing Solutions**

A well-liked website for reading recent and continuing news is News Break. The website gathers news from numerous sources and delivers it to visitors in an appealing way so they can read it.

Additionally, the website allows users to join up, record their progress, manage their profiles, track the number of news articles they've read, save articles, leave comments on news headlines, and more.

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| **S.NO** | **Paper Title** | **Author(s)** | **Month**  **/Year** | **Method/Implementation**  **technique(s)** | **Resource Link** |
| **1** | investigating mobile news reading interactions to customize news apps | Marios  Constantinide  s, John  Dowell, David  Johson,  Sylvain  Malacria | August, 2015 | 1. Identification  of news  reader types  2. Interaction  logging and  classification  study  3. Deployment  and data  collection  4. Predicting  News reader  types  5. Adaptive UI | <https://www.researchgate.net/publication/299870645_Exploring_mobile> \_news\_reading\_interactions\_for\_news\_app\_personalisation |
| **2** | Tracking and Detection in News Articles | Sagar Patel,  Sanket  Suthar,  Sandip Patel,  Neha Patel | March,  2015 | 1. Pre\_processing  2. Tokenization  3. Stemming/Lemmization  4. Vector Space  Model  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  McCracken | January, 2012 | The paper is  not technical  paper but is  essentially a  statistical paper on  how should one  conclude whether  the data have come  in stronger, weaker  or as expected. This  is based on the  Citi Group U.S  Economic Surprise  Index. | <https://www.researchgate.net/publication/227438253_Following_the_Fed_with_a_News_Tracker> |
| **4** | The End-to-End Framework for Weakly Supervised News Aggregation | Xijin Tang,  Xiaohui  Huang | June,  2022 | The framework  combines Snorkel\_based weakly\_supervised  classification, Latent  Dirichlet Allocation  (LDA) topic modeling,  and topic signal  detection model to  classify and  aggregate unlabeled  news texts and  ultimately generate  visualized results  containing news  categories, news  topics, and temporal  topic relationships.  This paper uses  constructed  knowledge thesaurus  and the Snorkel  method to weakly  supervise the  classification of  unlabeled news with  no manual tagging.  Subsequently, we  utilize LDA to  generate the topics  and obtain the signal  value of each topic  based on the topic  signal detection  function. Finally, we  establish 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> |