

IBM NALAIYA THIRAN

NEWS TRACKER APPLICATION

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INTRODUCTION

In the present era, people are enthralled by smartphones and they desire all the required information to be present at their fingertips. News is the one of the main ways of gaining knowledge about what's happening around the world. In today's world everyone is busy and no one really has the time to buy a newspaper, sit and read. Everything has become handy and everyone wants to get updated instantly in their fingertips. Also, everyone wants to know the news that is relevant to them. For example, if a person is interested in cricket and politics, He wants to know about it the most. This puts us forward to search for an application that gives instant, verified and relevant news. This kind of application will reduce our time in searching for news.

LITERATURE SURVEY

Ref. paper	Title	Journal	Inferences
Sagar Patel et al.	Topic Detection and Tracking in News Articles	Smart Innovation, Research Gate (2017)	<ul style="list-style-type: none">• In this paper, text tracking and detection is done with two main algorithms.• Initially the pre-processing is done by 3 steps to get main keywords.• Agglomerative clustering is used for topic detection.• Then K Nearest Neighbour classifier is used for tracking because it gives better performance.

Sk. Mirajul Haque et al.	A News Analysis and Tracking System	Pattern Recognition and Machine Intelligence, Springer (2009)	<ul style="list-style-type: none"> • A web-based analysis system is designed as a watch-guard which continuously scans online sources for new stories and alerts a registered user. • Latent Dirichlet Allocation (LDA) for topic discovery. • Latent Semantic Indexing (LSI) for alerting which uses Singular Value Decomposition (SVD) to identify semantic patterns between words and concepts present in a text repository.
Yajie Qi et al.	An Approach to News Event Detection and Tracking Based on Stream of Online News	Intelligent Human-Machine Systems and Cybernetics, IEEE (2017)	<ul style="list-style-type: none"> • This paper deals with an approach that addresses the weight of keywords and proposes a new method called Hot event detection algorithm to calculate similarity among news to track event. • The results can obtain a better precision ratio and recall rate when using the specified attenuation ratio and threshold value, which provides an effective method for detecting hot events from the massive online news.
Marios Constantinides et al.	Exploring mobile news reading interactions for news app personalisation	ResearchGate (2015)	<ul style="list-style-type: none"> • This paper showed that mobile news readers can be distinguished as Trackers, Reviewers or Dippers according to their frequency of news reading, their duration of news reading, their browsing strategy, their reading style and their location. • Bayesian classifier can identify the user of a news app according to their news reader type from a log of interactions with a news app.
Brijesh Joshi et al.	Android News App	ResearchGate (2018)	<ul style="list-style-type: none"> • This paper provides the development of a news application using News API that fetches the news in JSON format. • The app has two logins. One for user and another for Admin who would write local articles.

			<ul style="list-style-type: none"> • Global news is also fetched from large websites like BBC. • The UI is developed by Material design and Picasso libraries.
Kanase Rajkumar S et al.	Implementation of News App Based on Cordova Cross-Platform	Convergence of Technology, IEEE (2017)	<ul style="list-style-type: none"> • A cross-platform news application is developed using Cordova in which users are divided into 3 categories – user, sub-admins, admins. • The main parts of this app consist of application, server and database (SQL) • NODE JS, ANGULAR JS, IONIC are used for design and framework.