**SYNOPSIS ON**

### SENTIMENT ANALYSIS

**IN PARTIAL FULFILLMENT OF**

**MASTER OF COMPUTER APPLICATION BY**

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The Newspaper Waste Management System addresses the ecological challenges posed by discarded newspapers through a strategic and environmentally conscious approach. It encompasses a multifaceted process involving the systematic collection, segregation, and recycling of newspapers. Implementation begins with establishing designated collection points, encouraging community participation through awareness campaigns, and fostering responsible disposal habits. Collected newspapers undergo segregation, ensuring that recyclable materials are separated from non-recyclables. Recycling facilities then process these newspapers, converting them into reusable materials like paper pulp. This not only diverts significant waste from landfills but also conserves natural resources and reduces the overall environmental footprint associated with paper production. The Newspaper Waste Management System is a crucial initiative promoting sustainable practices, aligning with global environmental objectives, and inspiring a collective commitment to a cleaner, more eco-friendly future.

### Existing System:

The existing Newspaper Waste Management System involves conventional methods such as curbside collection and disposal in landfills. While some regions have implemented recycling initiatives, many lack structured programs for efficient segregation and recycling of newspapers. Limited public awareness and participation contribute to challenges in the current system. Additionally, the absence of centralized collection points hampers the optimization of recycling processes. To enhance sustainability, there is a need for more robust and organized systems, incorporating advanced technologies for efficient collection, segregation, and recycling of newspaper waste on a broader scale..

### Need for System:

The need for an advanced Newspaper Waste Management System is paramount in addressing the escalating environmental concerns associated with paper waste. The traditional methods of disposal contribute significantly to overflowing landfills and depletion of natural resources. The urgent call for sustainability and eco-conscious practices necessitates a systematic approach to newspaper waste. A well-structured system would not only alleviate the burden on landfills but also promote the efficient recycling of newspapers, conserving forests and reducing the energy-intensive process of paper production.

Moreover, the Newspaper Waste Management System is crucial in mitigating pollution risks. Improper disposal of newspapers can result in air and water pollution through the release of harmful chemicals during decomposition. By implementing a streamlined waste management system, we can curtail these environmental hazards and contribute to cleaner air and water.

Additionally, the system fosters a sense of environmental responsibility among the public. Through awareness campaigns and accessible collection points, individuals are empowered to actively participate in sustainable practices. This collective effort helps build a greener mindset, fostering a community-driven commitment to waste reduction and resource conservation.

In the context of global efforts to combat climate change, the Newspaper Waste Management System emerges as a fundamental component in promoting a circular economy, where materials are reused, recycled, and repurposed, aligning with the broader agenda of achieving a more sustainable and more resilient planet.

The scope of the Newspaper Waste Management System encompasses the comprehensive management of discarded newspapers from collection to recycling, aiming to mitigate environmental impact. Its primary objective is to establish an efficient and sustainable framework for handling newspaper waste. The system seeks to reduce the burden on landfills by promoting proper disposal methods and encouraging widespread recycling. Additionally, it aims to conserve valuable natural resources, such as forests, by facilitating the reuse of paper through recycling processes. The system also intends to address pollution concerns associated with improper disposal, contributing to cleaner air and water. Through the integration of advanced technologies and community engagement initiatives, the scope extends to creating a holistic approach that fosters environmental consciousness and responsible waste management practices, ultimately promoting a greener and more sustainable future.

# 4. List of Modules/Functionalities with Description:

**Admin:**

Functionality : Admin Login and Authentication.

Can Update the Article in Newspaper.

Maintains the record of Newspaper.

Can track the order status.

Can manage the payment.

**User:**

Functionality: User Login and Authentication.

Input the Availability of the Newspaper.

#### Company Center:

#### Functionality: Can Accept or Reject the Order Raised by Admin.

This section defines the technical requirements for both the server-side and client-side environments.

##### Server-side Requirements:

***5.1.1 Hardware Requirements:***

* + - Processor: Minimum dual-core CPU (e.g., Intel Core i3 or equivalent).
    - RAM: Minimum 4GB.
    - HDD: Minimum 20GB free space.

***5.1.2 Software Requirements:***

* + - Operating System: Linux or Windows Server.
    - Database: mongodb
    - Front End: HTML, CSS, JavaScript, react.js
    - Back End: Node.js

##### Client-side Requirements:

***5.2.1 Hardware Requirements:***

* + - Processor: Minimum dual-core CPU.
    - RAM: Minimum 2GB.
    - HDD: Minimum 10GB free space.

***5.2.2 Software Requirements:***

* + - Operating System: Windows, macOS, or Linux.
    - Browser: Chrome, Firefox, Safari, or Edge.

The proposed Newspaper Waste Management System envisions a comprehensive and technologically advanced approach to tackle the challenges of newspaper waste. It includes the implementation of smart collection points equipped with sensors for efficient and automated newspaper collection. Segregation technologies would be employed to ensure effective separation of recyclable and non-recyclable materials. A centralized processing facility would utilize state-of-the-art recycling methods to convert collected newspapers into reusable materials. Public participation would be encouraged through educational campaigns and user-friendly interfaces for convenient disposal.The system also incorporates data analytics to monitor and optimize collection routes, enhancing overall efficiency. Blockchain technology could be introduced to ensure transparency and traceability throughout the recycling process. By leveraging innovation, community engagement, and sustainable practices, the proposed system aims to significantly reduce the environmental footprint of newspaper waste, promoting a circular economy and fostering a greener, more environmentally conscious society.

# Feasibility Study:

The feasibility study for the Sentiment Analysis project affirms its viability across technical, operational, and economic dimensions.

#### Technical Feasibility:

* + The required technologies and tools are widely available and commonly used.
  + The modular design ensures scalability and adaptability to different text sources.

#### Operational Feasibility:

* + The user-friendly interface caters to both technical and non-technical users.
  + Automation streamlines sentiment analysis, making it operationally efficient.

#### Economic Feasibility:

Development costs are reasonable, considering the available open-source tools and libraries. The benefits, including time savings and improved decision-making, justify the investment. In conclusion, the Sentiment Analysis project demonstrates strong technical, operational, and economic feasibility, positioning it as a practical and valuable solution for businesses seeking automated and accurate sentiment analysis capabilities.