

**Gokaraju Rangaraju Institute of Engineering and Technology**

**(Autonomous)**

**Department of Computer Science and Engineering**

**GR22A3089 – MINI PROJECT with SEMINAR**

**III Year B.Tech. II Semester**

**Academic Year 2024-2025**

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| **Domain** | **Cloud Computing and Web Development** |
| **Title** | NewsHive-A smarter way to browse daily news |
| **Batch no.** | A1 |
| **Guide Name and Designation** | Neelima Gogineni - Assistant Professor |
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| **Photographs** | A person in a red shirt  AI-generated content may be incorrect. |
| **ABSTRACT** | |
| Our project, NewsHive is designed to collect top headlines from multiple newspapers like The Times of India, Hindustan Times, The Hindu, and The Economic Times. Using Puppeteer, the system automates the extraction of key news highlights from various sections like Politics, Business, Sports, and Technology. This allows users to access the latest news from multiple sources in one place without manually visiting different websites. The scraper is optimized to fetch only the most relevant headlines, ensuring fast execution while efficiently handling JavaScript-heavy sites and adapting to different newspaper formats. Additionally, robust error-handling mechanisms ensure system stability and reliability for real-time news aggregation.  To enhance user experience, the system also includes a note feature, allowing readers to store important information for later reference. Users can save key highlights, summaries, or personal insights, making it easier to track significant news developments. Furthermore, for deeper engagement, each news highlight includes a redirect link to the original newspaper source, enabling users to explore full articles if they are interested in a specific topic. This approach ensures a seamless and informative news aggregation experience, combining efficiency with user-friendly features. | |

**Signature of the Guide**