

Informatics Institute of Technology

In Collaboration with

University of Westminster (UOW)

**TEXUM – Hybrid news summarization mechanism with
graph generation**

By

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Abstract

The news has become a most essential need of the current world. Due to the availability of smart technologies online news has become more popular among the users. But because of the large amount of news sources available online and the busy lifestyle of people, readers won't be able to catch the important news within a short amount of the time period that they have. To address the above problem, a solution was made as "Hybrid news summarization mechanism with graph generation" which includes news summarization feature where a user can view related news articles and in a summarized manner and view most popular news within the current time. The uniqueness of the project is it follows a hybrid technique to summarize the news. The proposed system was evaluated by evaluators of various domains. Eventually, the feedback from different evaluators and the testing results attested that the analysis, design, implementation and documentation have been carried out in an effective and in an efficient manner.

Subject Descriptors:

• Theory of computation~Markov decision processes • Information systems~RESTful web services • Information systems → Database utilities and tools • Computer systems organization → Client-server architectures • Software and its engineering → 3-tier architectures • General and reference → Reference works • General and reference → Surveys and overviews

I.2.7 Natural Language Processing

Key Words:

Natural Language Processing, Trending News, text summarization, short text summarization, sentence scoring, sentence selection