**Framing News Headline from Key Terms Using NLP**

**Abstract**:

News headline provides the gist of news article which helps reader to understand whole idea of news without reading it. Usually, headlines can be constructed by analyzing and understanding the main concepts of news text.

News headlines can be formed by using key terms and candidate phrases which are retrieved from input news article along with Natural Language Processing (NLP) techniques.

The word dictionary for various kinds of news articles along with some more techniques of keyword extraction are used as criteria for selecting keywords. Parsing technique and sentence compression algorithm are used for construction of proper news headline from leading sentences. The main aim is to construct headline from key terms for saving the interpretation and reading time of reader.

**Problem Statement**:

An automated headlines generator from the news articles using NLP techniques

**Proposed Solution:**

The news headline formation includes the following major steps:

• Key term/key phrase Extraction

• Parsing of leading sentences

• Generation of compressed sentences

**Keywords**:

Sentence compression algorithm, headline generation; Natural Language Processing (NLP); Key term extraction; candidate phrase extraction.

**Project Guide**: **BATCH NUMBER : 5**

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