

AUTO TITLE CRAFT

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Introduction

- A title generator is a tool or model that generates titles or headlines for text-based content.
- Title generators can be useful for content creators, journalists, and marketers to come up with catchy and informative titles.



Literature Survey

S.NO	Title	Journal	Author	Year	Description
1	Automatic Title Generation for Text with Pre-trained Transformer Language Model	International Civil Service Commission (ICSC)	Prakhar Mishra, Chaitali Diwan, Srinath Srinivasa	2021	This paper introduces an innovative title generation approach using the GPT-2 Transformer model, involving modules for generation, selection, and refinement, with promising results and human validation.
2	Sheershak: An Automatic Title Generation Tool for Hindi Short Stories	International Conference on Advances In Computing Communication Control and Networking (ICACCCN)	Leena Jain, Prateek Agarwal	2018	This paper presents an automatic title generation system for Hindi stories, using various approaches like noun-adjective combinations, proverbs, and nouns, with satisfactory results, aiding Hindi language promotion.

Literature Survey (Contd.,)

S.NO	Title	Journal	Author	Year	Description
3	Keyword Extraction from Scientific Articles in Bahasa Indonesia using TextRank Algorithm	Electrical, Telecommunication and Computer Engineering (ELTICOM)	Dani Gunawan, Fanindia Purnamasari, Ranti Ramdhiana	2020	This research employs TextRank for keyword extraction in three stages: pre-processing, TextRank application, and post-processing, improving recall with increased assigned keywords. Future work can optimize extraction time.
4	Automatic Text Summarization of News Articles in Serbian Language	International Symposium INFOTECH-JAORINA	Dijana Kosmajac, Vlado Keselj	2019	This paper explores using TextRank, a graph-based method, for extractive text summarization on Bosnian news data to enhance information retrieval.

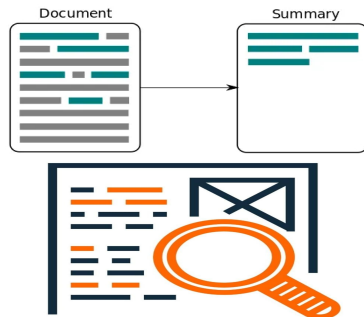
Problem Statement

- The proposed project aims to implement a computer program using advanced language understanding and artificial intelligence that can generate catchy and appropriate titles for any collective digital text.



Proposed Method

- Text Summarization
- Keyword Extraction and Ranking



Partial Implementation

Sno	Modules	Status
1	Problem identification	Completed
2	Literature Survey	Completed
3	Data Acquisition (https://www.kaggle.com/datasets/thejas2002/titlegen)	Completed
4	Text Summarization	Completed
5	Keyword Extraction Ranking	Yet to do
6	Title Generation	Yet to do

Thank you