

Visvesvaraya Technological University

**BELAGAVI, KARNATAKA**

**A PROJECT SYNOPSIS ON**

# “Hybrid Approach for Text Summarization using Deep Learning”

Submitted by

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# Under the guidance of

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2023-24

1. **INTRODUCTION**

Text Summarization Using Deep Learning

The task of compressing a piece of text into a shorter version or minimizing the size of the original text while keeping crucial information aspects and content meaning, is known as summarization. A Summary is a reductive transformation of a source text into a summary text by Extraction or Abstraction.

1. **PROBLEM DESCRIPTION**

Text Summarization is a fundamental task in Natural Language Processing (NLP) with the goal of condensing lengthy document or article into shorter, coherent summaries. Traditional extractive or abstractive summarization method each have their strengths and weaknesses. Extractive methods select and concatenate existing sentences from the source text, while abstractive method generate new sentences to capture the core ideas. The problem is that extractive method may lack fluency and coherence, while abstractive method may generate inaccurate information or stray from the source content.

1. **OBJECTIVES**

Following are the Objectives of the project undertaken:

1. To collect the dataset relevant to the Text Summarization and pre-processing it.
2. To apply HTS algorithms and train the model for various documents.
3. To design and apply hybrid algorithm for the existing dataset.
4. To compare and analyze the results of summarized text with reference text.

1. **PROPOSED METHODOLOGY**

**Methodology:**

1. **SOFTWARE REQUIREMENTS**
2. **APPLICATIONS**

REFERENCES