

Semester project proposal (NLP Based)

Last-Date: 25-02-2026

1. Project Title

- Clearly mention the title of your NLP-based semester project.

2. Scope (3 Lines)

- Briefly describe the scope of the project in 3 concise lines.

3. Introduction (2 Pages)

- Provide a detailed introduction to the project.
- Explain the background, importance, and motivation of the problem.

4. Objectives

- Clearly list the main objectives of the project.
- Define what the project aims to achieve.

5. Literature Review (Minimum 20 References)

Requirements:

- References from **2000 – 2026**
- Sources:
 - Google Scholar
 - IEEE
 - Springer
 - Elsevier

Instructions:

- Select **at least 1 base paper** (main reference paper).
- Use proper citation format.
- Use citation tools like:
 - **Cite button (Google Scholar)**
 - **EndNote**

6. Methodology (Include 1–2 References)

The methodology section should include:

a) Preprocessing

Just as example:

- Text cleaning
- Tokenization
- Stopword removal
- Lemmatization/Stemming

b) Dataset

Just as example:

- Dataset source
- Size and description
- Data split (train/test/validation)

c) Feature Extraction

Just as example:

- Bag of Words
- TF-IDF
- Word Embeddings (Word2Vec, GloVe, etc.)

d) Processing Technique

Just as example:

- Classification Method
 - Machine Learning models (SVM, Naive Bayes, etc.)
 - Deep Learning models (LSTM, BERT, etc.)