

## **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.)