



DEPARTMENT OF APEX INSTITUTE OF TECHNOLOGY

PROJECT PROPOSAL

1. Project Title: - To analyse different Lexical based Automatic Machine Translation Evaluation Metrics for Indic languages.

2. Project Scope: -

The aim of this project is to study different Lexical Automatic Machine Translation Evaluation Metric for Indic languages. The project will involve the following tasks:

Literature review: The first task of the project will involve a comprehensive review of existing research and literature on automatic machine translation evaluation metrics for Indic languages. This review will help identify the existing evaluation metrics and the gaps in the literature.

Identification of evaluation metrics: Based on the literature review, the next task will be to identify the different evaluation metrics that are currently used for Indic languages. This will involve selecting the most commonly used evaluation metrics and identifying any new evaluation metrics that have been proposed in recent research.

Data collection and preparation: The third task of the project will involve collecting and preparing the data for evaluation. This will include selecting a range of text corpora in different Indic languages and preparing them for machine translation.

Machine translation: In this task, machine translation will be performed on the prepared text corpora using different translation systems, including open-source and commercial systems.

Evaluation: The next task will involve evaluating the machine translations using the selected evaluation metrics. The evaluation metrics will be applied to the machine-translated texts, and the results will be compared to determine the effectiveness of the different metrics.

Analysis and interpretation of results: In this task, the results of the evaluation will be analyzed and interpreted to determine the strengths and weaknesses of the different evaluation metrics. The results will be compared to the literature review to identify any gaps and limitations of the existing metrics.

Recommendations: Based on the analysis and interpretation of the results, recommendations will be made for the most effective evaluation metrics for Indic languages.

3. Requirements: -

➤ Hardware Requirements

1. Laptop
2. Internet connection

➤ Software Requirements

1. Anaconda
2. Jupyter
3. Python

STUDENTS DETAILS

Name	UID	Signature
1. Ankit Ghosal	20BCS6621	Ankit
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4. Divya Prem	20BCS6618	Divya

APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (With Date)
Shweta Chauhan	To Study different Lexical Automatic Machine Translation Evaluation Metric for Indic languages.	