**MINI PROJECT – II**

**(2019-20)**

# Machine Translation

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**SYNOPSIS**



**Institute of Engineering & Technology**

**Team Members**

Rameshwar Agrawal

(171500255)

## Supervised By:

**Mr. Divyansh Bhardwaj Sir**

**Techinal Trainer**

**Department of Computer Engineering & Applications**

**About the Project:**

Machine translation is a sub-field of computational linguistics that investigates the use of software to translate text or speech from one language to another.This project basically based on Machine Learning Techniques using neural networks. In this project we are translating one language to another using computer. The System will read one language from a file and then writing the corresponding another language to another file. MT performs simple substitution of words in one language for words in another, but that alone usually cannot produce a good translation of a text because recognition of whole phrases and their closest counterparts in the target language is needed. Solving this problem with corpus statistical, and neural techniques is a rapidly growing field that is leading to better translations, handling differences in linguistic typology, translation of idioms, and the isolation of anomalies.

**Motivation:**

The motivation behind this project is translating a language to another corresponding language which is can be understand by a computer. Sometimes we come across many language understanding problems which cannot be understand by computer. Also, searching in many softwares become easy to handle by a ordinary people who do not know about the software technology.

**Future Prospects:**

Further modification can be done in the system such as modifying one language to two or more language. More modification can be taking input from voice of a human and then translating it to the corresponding language.

**Requirements:**

1. **Hardware:**

* **Hard disk – 4GB**
* **RAM – 1GB**
* **Processor(intel core i3)**

1. **Software:**

* **Python**
* **Keras**
* **Pandas**
* **Sklearn**