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| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Mahatma Education Society's** | | | | | | | | | **Pillai College of Engineering, New Panvel - 410206** | | | | | | | | | **BE Final Year Project Abstract Submission** | | | | | | | | |  |  |  |  |  |  | 2019-20 | | | **Department:** | | Computer Engineering | | | | | | | **SN** | **Team Member Name** | | **DIV** | **Contact Number** | **Email** | **Sign** | | | 1 | Leader | Akshata Deshpande | A |  |  |  | | | 2 | Member 2 | Mrunal Badade | A |  |  |  | | | 3 | Member 3 | Jagruti Thombare | A |  |  |  | | | 4 | Member 4 | Vaibhav Adsul | A |  |  |  | | | **Guide Name:** | | Prof. Manasi Kulkarni | | | | | | | **Project Domain:** | | Natural Language Processing | | | | | | | **Project Title:** | | Paraphrase Detection using NLP Techniques | | | | | | | **Abstract:** | |  | | | | | | | Paraphrase is a way of conveying the same content without compromising the meaning. It is an alternate form in same language stating the same semantic content with the help of reframing or rearranging the phrases of a sentence. Paraphrasing is of two types Paraphrase Generation and Paraphrase Detection. We propose an application to detect the semantic similarity between two texts of same language to establish the similarity. The proposed solution of tackling similar content or text can be used as an application to detect plagiarism as well as conduct an evaluation for machine translation system. Not only Paraphrase Detection can be used to tackle the uniqueness of a text and retain its meaning but also provide a measure to assess the Machine Translations of a text. Since, current available applications fall short to verify the integrity of a text if it is paraphrased and fails to mark it as plagiarized. We will be using already established traditional algorithms to detect if the content is a duplication of an already existing work and on top of that, we will be using our application to measure if the content has been paraphrased in any way. | | | | | | | | | **Modules in the Project:** | | | | | | | | | **1)** | Input Text | | **3)** | Feature Extracting | | | **4)** Classifier | | **2)** | Pre-Processing | | **4)** | Finding Similarity Score | | | **5)** Output | | **Project Requirements:** | | | | | | |  | | **1)** | **O S:** | Windows & Linux | **3)** | **Backend/Frontend:** | Backend: Python, Frontend: HTML/Java | | | | **2)** | **Language:** | Python | **4)** | **Hardware** |  | | | | **Enclosures [Referred Technical Paper(s)]:** | | |  | | | | | | [1] | The Study and Review of Paraphrase Detection Techniques in Machine Learning (2017) | | | | | | | | [2] | Survey on Paraphrase Detection Techniques for Indian Regional Languages (2017) | | | | | | | | [3] | Paraphrase Detection Based on Identical Phrase and Similar Word Matching (2015) | | | | | | | | [4] | Convolutional Neural Network for Paraphrase Identification (2015) | | | | | | | |  |  |  |  |  |  |  | | |  |  |  |  |  | Guide Signature |  | | |