SRS DOCUMENT

Plagiarism Checker
- Web Application

PURPOSE

The purpose of developing this "Plagiarism Checker" is to :

- Help students analyze originality of their content(assignments , projects etc)
- Help teachers check and avoid plagiarism among student's assignments..
- Any guest user can check for grammatical errors and plagiarism in their documents
- A virtual classroom environment where teacher can post assignments and students can submit their assignments , teachers can then check for malpractices within submissions made by students.

SCOPE

It will help avoid copying assignments and other content within students and in general.

It can be used by anyone for checking plagiarism , grammatical mistakes within their documents and much more.

It is general purpose application for analyzing similarities among various documents, checking grammatical errors ang also provides a virtual classroom environment.

INTRODUCTION

: IT CONTAINS THE FOLLOWING SUB - CATEGORIES

Existing System

The present system has no integration of plagiarism checker, grammatical errors checker with student teacher portal and similar features for any guest user as well.

- There are platforms for grammatical error checker but doesn't have plag checker.
- Similarly there are platforms for plag but doesn't have grammatical checker.
- Some platform provide virtual classroom facility but they don't have plag checker.
- Also there is no such system which allows checking for plag within assignments submitted by various students locally.

PROPOSED SYSTEM

The plagiarism checker contains integrated grammatical error checker and a teacher-student portal.

The system after careful analysis has been identified to be presented with the following modules:
Student Login: Students can login to their classroom page and view/submit their assignments.
Teacher Login: Teachers can login and view submission made by various students and check for plagiarism , can also post new assignments ,evaluate currently submitted ones.

Authentication: Authentication of this application will be provided for only registered members.

Analysis: tells how similar various documents are locally.

Grammatical error check: checks for grammatical errors within a document.

ADVANTAGES

Advantages for Students :

-checking correctness and originality of their content.

Advantages for Faculty :

-manage and analyze assignments submitted by students all at one place

-efficiently able to mange for assignments ,check

  plag within various submissions.

FUNCTIONAL REQUIREMENTS:

Users must have valid User ID and password to login thus creating their individual profiles.

Addition of new user (teacher/students).

Teachers can create class and post assignments.

Students can submit assignment.

Enable teachers to detect plagiarism and cheating in student submitted assignments.

Viewing visually aided cheating (similarity) reports.

Guest user check grammar and plagiarism.

NON-FUNCTIONAL REQUIREMENTS:

-: Compatibility.

-: Ease to use.

SOFTWARE TOOLS
Database Server: MongoDB
Client: Any web browser
Development Tools: Vs code
Languages: JavaScript, HTML/CSS, python, NodeJS

Framework/Libraries : React,Flask api ,PyMongo,

DEPLOYMENT
Operating System Server: Any
HARDWARE SPECIFICATION
Processor   - Core i3

Ram   - 4 GB

HDD   - 2 GB