

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Abdelhamid Mehri University - Constantine 2
Data Science and Artificial Intelligence: SDIA



Intelligent Techniques for Fighting Fraud and Corruption

AI-generated Content Detection Website and Mobile Application

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Academic Year: 2024-2025

Abdelhamid Mehri University - Constantine 2

Project Overview

In this project, students will develop a website or mobile application capable of detecting whether a given text or script is generated by AI tools. This project aims to apply AI techniques in fraud detection, focusing on identifying AI-generated content and reinforcing students' understanding of text analysis and classification.

Objectives

- Design and develop a user-friendly website and mobile application.
- Implement a model to detect AI-generated content in text.
- Gain hands-on experience with natural language processing techniques.
- Explore the ethical implications of AI in content authentication.

Project Deliverables

1. Website Or Mobile Application:

- A responsive design that includes an input area for text submissions.
- Backend processing to evaluate the likelihood that the content was generated by AI.

2. Project Report:

- Description of the chosen AI model, including design, development, and training process.
- Explanation of the tools and technologies used in frontend and backend development.
- Discussion of challenges faced and how they were addressed.
- Consideration of ethical issues related to AI content detection.

3. Presentation:

- A 10-minute presentation covering the project's objectives, methods, results, and insights gained.

Evaluation Criteria

- **Technical Implementation** (30%): Effectiveness of the AI model, application functionality, and overall performance.
- **Innovation and Design** (15%): Creativity, user interface design, and usability.
- **Report Quality** (30%): Depth of analysis, clarity, and ethical considerations.
- **Presentation** (25%): Communication skills, clarity, and ability to present key findings.

Tools and Resources

Students should select appropriate tools, technologies, and frameworks for implementing their solution based on their research and the project requirements.

Submission Details

- **Submission Deadline:** [to be Discussed]
- **Submission Method:** Upload code and report to [to be Discussed], and be prepared for an in-person presentation on [to be Discussed].

Project Milestones and Timeline

- **Week 1: Project Introduction and Planning**
 - Introduction to the project topic and expected outcomes.
 - Team formation, brainstorming, and initial research.
 - Draw a general framework for AI-generated text detection based on your prior knowledge.
- **Week 2: Literature Review and Method Selection**
 - Research AI content detection techniques and relevant text analysis methods.
 - Select an approach for your the detection model.