**Project Plan for Document Matcher Tool**

**Project Title:** Document Matcher for Cheating Detection

**Project Manager:** [Team Manager]

**Team Members:** [Team Members]

**Client:** A/Prof Guy Curtis

**Start Date:** 29th Jul 2024

**End Date:** 14th Oct 2024 5:00 PM

**Methodology:** Scrum

**Sprints:** 3

1. **Project Overview**

**Objective:** Develop a Document Matcher tool that automates the process of comparing rsid codes in Microsoft Word documents to identify potential instances of cheating or collusion in an academic setting.

**Scope:**

* Develop a backend for extracting and comparing rsid codes from Word documents.
* Develop a frontend interface for users to upload and view document comparisons.
* Ensure data privacy and security compliance.
* Provide thorough documentation and user manuals.

**Deliverables:**

* Functional prototype by the end of the first sprint.
* Fully operational tool by the end of the third sprint.
* User manuals and technical documentation.
* Regular progress reports.

1. **Sprint Breakdown**

**Sprint 1: Requirements Gathering and Initial Setup**

* **Duration:** 29th Jul 2024 – 14th Aug 2024 5:00 PM
* **Goals:**
  + Gather detailed project requirements from the client.
  + Set up development environment.
  + Develop a module for extracting rsid codes from Word documents.
* **Deliverables:**
  + Detailed project requirements document.
  + Development environment setup.
  + Basic rsid code extraction module.

**Sprint 2: Backend and Frontend Development, Testing**

* **Duration:** 19th Aug 2024 – 18th Sept 2024 5:00 PM
* **Goals:**
  + Develop backend functionalities for document comparison.
  + Develop frontend functionalities for user interaction.
  + Integrate backend and frontend.
* **Deliverables:**
  + Functional backend for rsid code comparison.
  + Frontend interface for document upload and display.
  + Integrated system for basic operations.

**Sprint 3: Testing, Refinement, and Final Delivery**

* **Duration:** 23rd Sept 2024 – 14th Oct 2024 5:00 PM
* **Goals:**
  + Conduct thorough testing (unit, integration, system).
  + Refine and optimise functionalities.
  + Implement advanced security measures.
  + Prepare and finalise documentation.
* **Deliverables:**
  + Tested and optimised tool.
  + Advanced security features.
  + User manuals and technical documentation.
  + Final project delivery.

1. **Project Management**

**Communication Plan:**

* **Preferred Method:** To be discussed
* **Stand-up Meetings:** To be discussed
* **Progress Check-ins:** To be discussed

**Documentation Plan:**

* To be discussed

**Risk Management:**

* **Potential Risks:**
  + To be discussed
* **Mitigation Strategies:**
  + To be discussed

1. **Technical Requirements**

**Programming Languages and Technologies:**

* To be discussed

**Development Tools:**

* To be discussed

**Libraries and Frameworks:**

* To be discussed

**Security Measures:**

* To be discussed

**6. Initial Setup**

**Hardware and Software Requirements:**

* To be discussed

**Database and Storage:**

* To be discussed

**UI/UX Considerations:**

* To be discussed

**7. Additional Considerations**

**Handling Scope Changes:**

* To be discussed

**Long-term Goals:**

* To be discussed

**Ethical Guidelines:**

* To be discussed

**Approval:**

* Project Plan approved by: A/Prof Guy Curtis
* Date: [Approval Date]