#### **Week 4 Report**

**Name of Project:** Intelligent ID Detection and Web Automation Tool for College Campus - Codename: CleverID

**Class and Specialization:** B.Tech CSE / AiML

**Group Members:**

1. Omkar Shirodkar
2. Faaz Siddiqui

**Points Discussed:**

1. **Advanced Features Development:**
   * Implemented error handling to address OCR misreads, ensuring the system prompts users to re-scan if invalid or incomplete data is detected.
   * Enhanced the OCR pipeline to support multi-ID detection, enabling the processing of multiple IDs in a single image.
2. **User Testing and Feedback:**
   * Conducted usability testing with a small group of peers, focusing on the accuracy of ID detection and automation workflows.
   * Collected feedback on responsiveness, visual markers, and overall user experience, documenting necessary refinements.
3. **Prototype Refinement:**
   * Improved the Selenium scripts to enhance the login process's speed and reliability.
   * Updated visual markers and prompts for clearer guidance during ID scanning.

**Resources Used:**

* Python and OpenCV for OCR optimization.
* Testing feedback for refining workflows.
* Debugging tools to optimize system performance.

**Target for Next Week:**

* Prepare *CleverID* for campus-wide testing.
* Conduct extensive tests across different devices and environments to ensure system robustness.

**Guide Name and Signature with Remarks:**

* Name:
* Signature:
* Remarks: