# MENDES SITHOLE

ST 10332172

PROGRAMMING 2B

# Contract Monthly Claim System (CMCS)

## Portfolio of Evidence (POE) - Part 3

## Introduction

Part 3 of the Portfolio of Evidence (POE) focuses on automating and enhancing the Contract Monthly Claim System (CMCS). This involves implementing features to streamline workflows for claim submissions, approvals, and processing.

## Features Enhanced

1. Lecturer View:  
- Auto-calculation of payment based on hours worked and hourly rate.  
- Input validation to ensure accurate and reliable data entry.  
  
2. Coordinator/Manager View:  
- Automated claim verification and approval workflows.  
- Organized view for managing pending and processed claims.  
  
3. HR View:  
- Automated generation of invoices and summary reports.  
- Tools for managing lecturer details such as contact updates.

## Technology Stack

- ASP.NET Core MVC: Backend development and structure.  
- Entity Framework: Database management and interactions.  
- JavaScript/jQuery: Client-side interactivity and validations.  
- Crystal Reports or SSRS: For generating reports.  
- ASP.NET Identity: Authentication and authorization.

## Automation Benefits

- Improved accuracy and reliability of claim submissions.  
- Streamlined workflows reduce administrative burden.  
- Transparent claim tracking enhances user trust.  
- Increased efficiency with reduced manual errors.

## Conclusion

The enhancements implemented in Part 3 demonstrate the effectiveness of automation in streamlining administrative workflows. The CMCS provides a user-friendly and efficient platform that empowers lecturers, coordinators, and HR personnel.