PROGRESSPATH:

A STUDENT PERFORMANCE TRACKING SYSTEM WITH OUTCOME-BASED EDUCATION STANDARDS

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PROBLEM

- Many educational institutions still rely on manual and paper-based processes to implement Outcome-Based Education (OBE).
- These methods result in heavy workload for faculty, prone to human errors, time consuming, and scattered academic records.
- Accreditation bodies such as PAASCU (*Philippine Accrediting Association of Schools, Colleges and Universities*) and AACCUP (*Accrediting Agency Of Chartered Colleges And Universities In The Philippines, Inc.*) require complete and systematic documentation, which is difficult to achieve without a centralized system.
- Students also lack real-time visibility of their academic progress and learning outcomes.

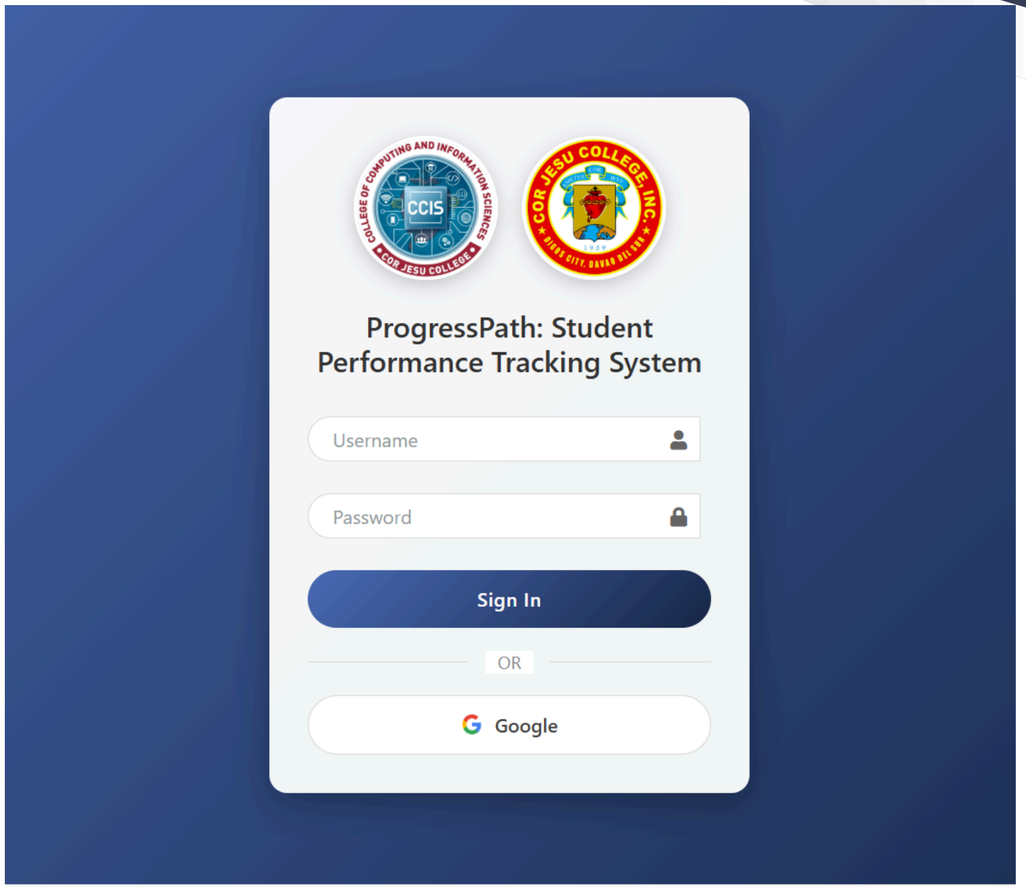
OBJECTIVES

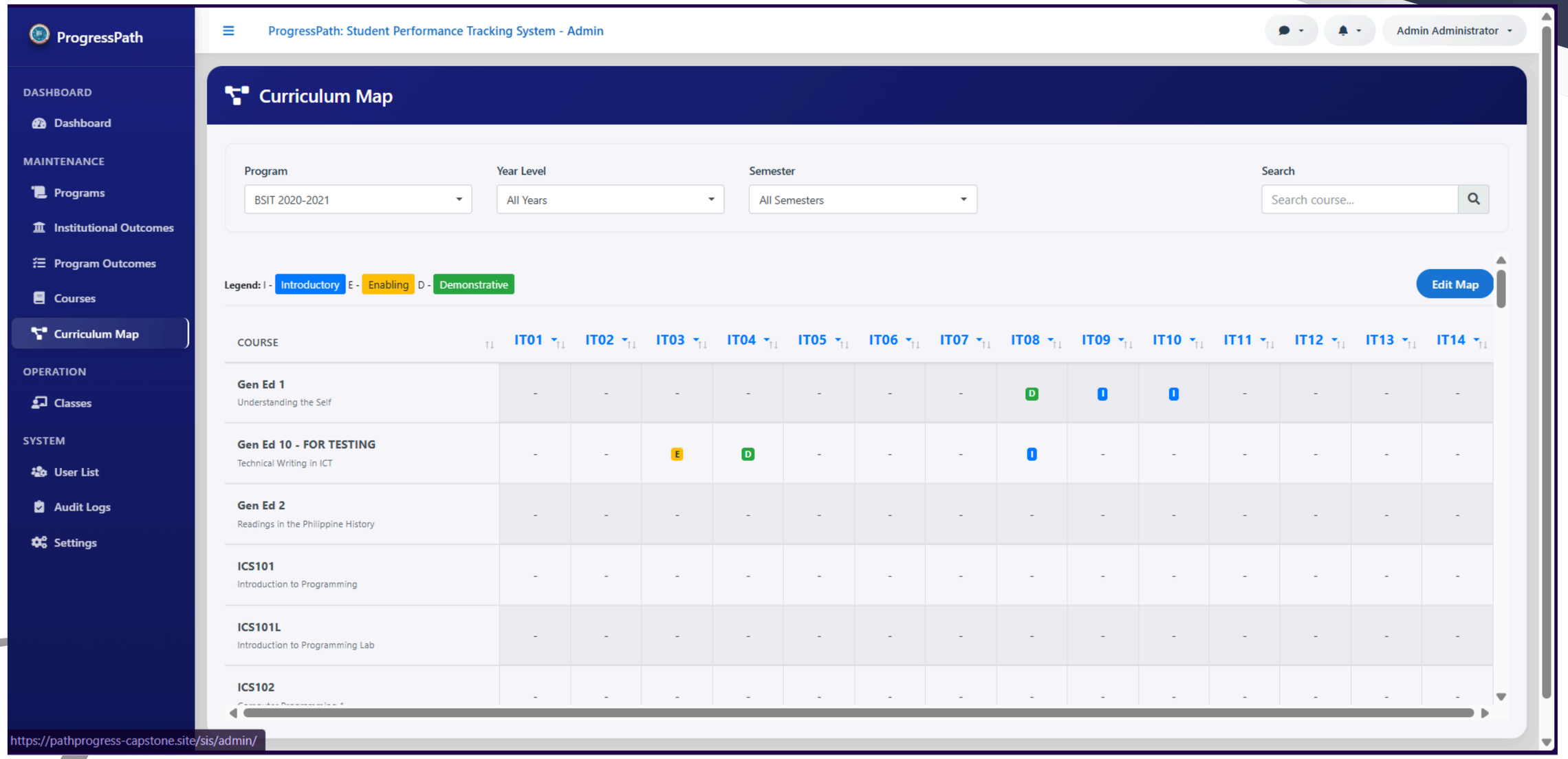
Our system focuses on four key technical objectives:

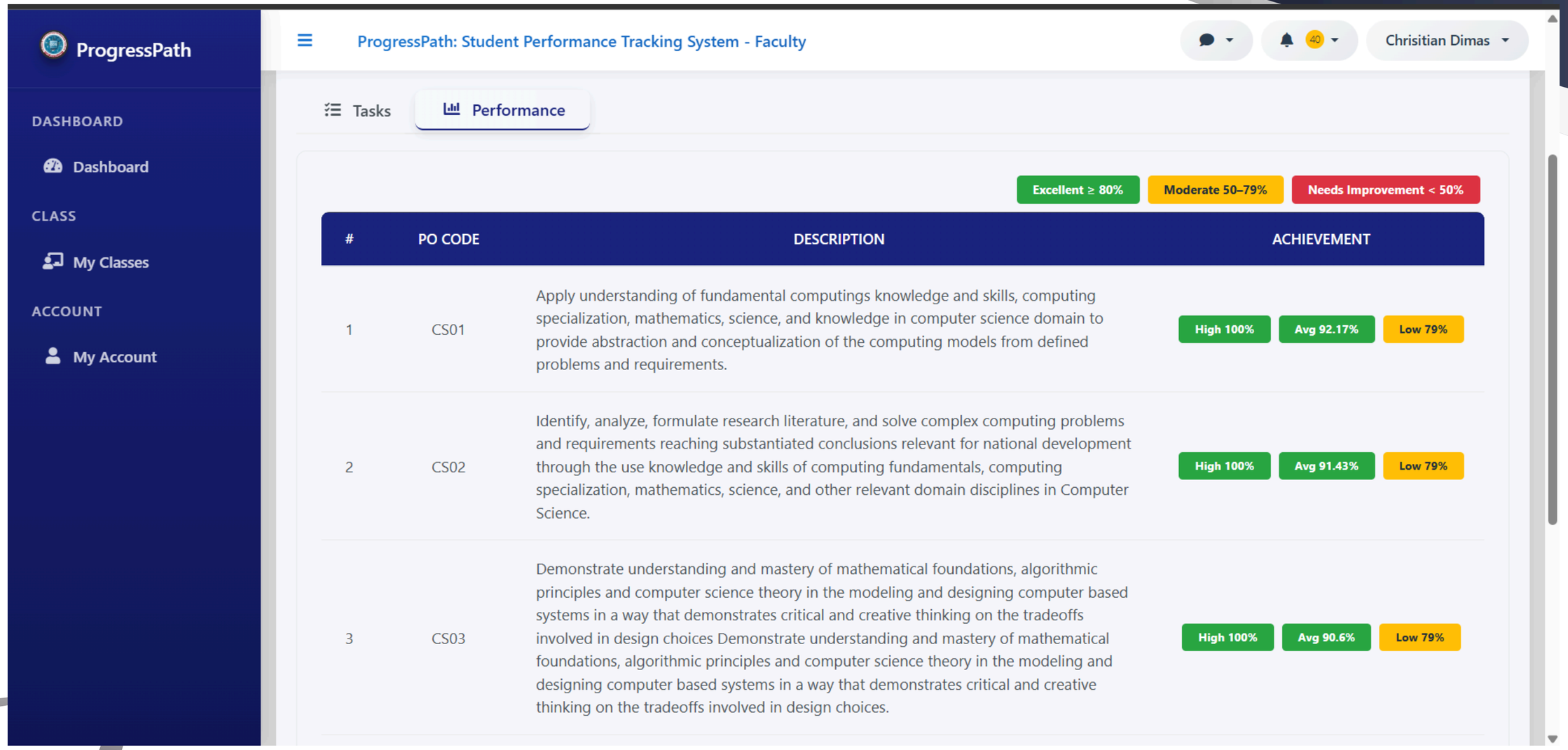
- Automate the tracking of student grades and their alignment with specific program outcomes.
- Provide real-time access for students to view their academic progress and learning gaps.
- Streamline the mapping of course activities to program outcomes (Introductory, Enabling, Demonstrative).
- Generate centralized reports to simplify compliance with accreditation body like PAASCU and AACCUP.

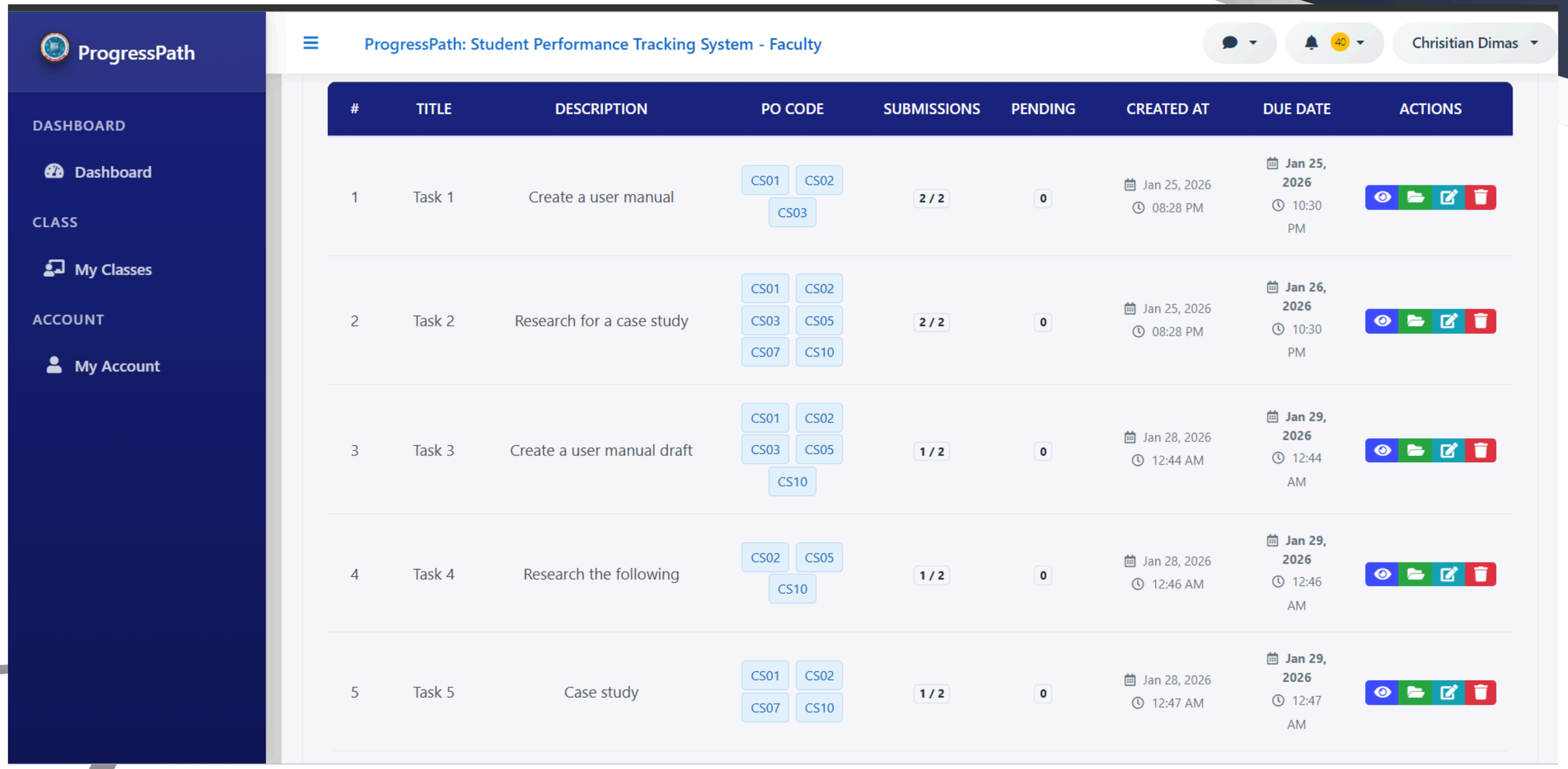
SOLUTION

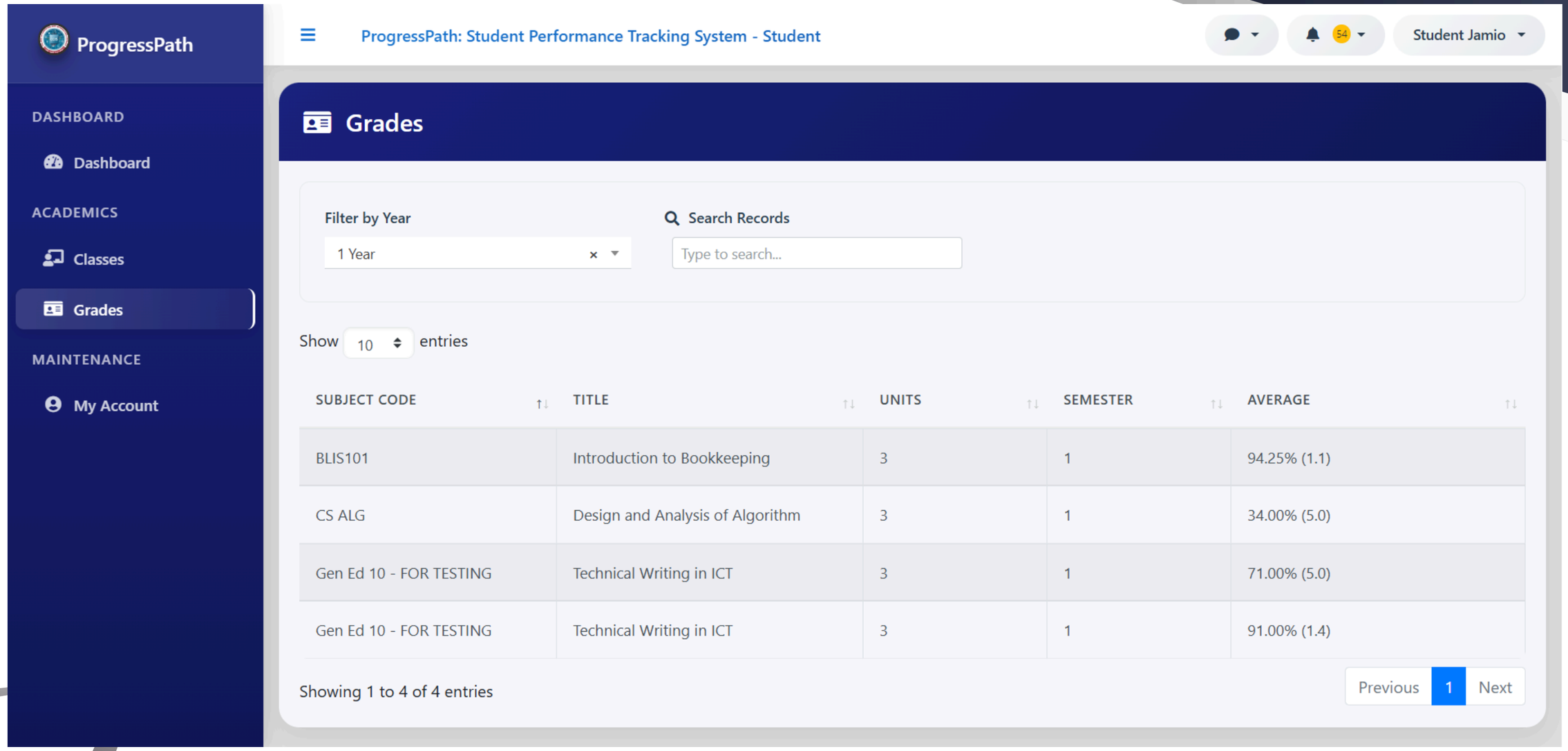
We propose **ProgressPath**, a centralized web-based Student Performance Tracking System designed to automate the recording, monitoring, and evaluation of academic outcomes in compliance with OBE standards.




ProgressPath
ProgressPath: Student Performance Tracking System - Admin
Admin Administrator
DASHBOARD
Dashboard
MAINTENANCE
Programs
Institutional Outcomes
Program Outcomes
Courses
Curriculum Map
OPERATION
Classes
SYSTEM
User List
Audit Logs
Settings
Curriculum Map
Program
BSIT 2020-2021
Year Level
All Years
Semester
All Semesters
Search
Search course...
Legend: I - Introductory E - Enabling D - Demonstrative
Edit Map
COURSE
IT01 IT02 IT03 IT04 IT05 IT06 IT07 IT08 IT09 IT10 IT11 IT12 IT13 IT14
Gen Ed 1
Understanding the Self
Gen Ed 10 - FOR TESTING
Technical Writing in ICT
Gen Ed 2
Readings in the Philippine History
ICS101
Introduction to Programming
ICS101L
Introduction to Programming Lab
ICS102
https://pathprogress-capstone.site/sis/admin/


ProgressPath
DASHBOARD
Dashboard
CLASS
My Classes
ACCOUNT
My Account
ProgressPath: Student Performance Tracking System - Faculty
40
Chrisitian Dimas
Tasks
Performance
Excellent ≥ 80%
Moderate 50–79%
Needs Improvement < 50%
PO CODE DESCRIPTION ACHIEVEMENT
1 CS01 Apply understanding of fundamental computings knowledge and skills, computing specialization, mathematics, science, and knowledge in computer science domain to provide abstraction and conceptualization of the computing models from defined problems and requirements.
High 100% Avg 92.17% Low 79%
2 CS02 Identify, analyze, formulate research literature, and solve complex computing problems and requirements reaching substantiated conclusions relevant for national development through the use knowledge and skills of computing fundamentals, computing specialization, mathematics, science, and other relevant domain disciplines in Computer Science.
High 100% Avg 91.43% Low 79%
3 CS03 Demonstrate understanding and mastery of mathematical foundations, algorithmic principles and computer science theory in the modeling and designing computer based systems in a way that demonstrates critical and creative thinking on the tradeoffs involved in design choices Demonstrate understanding and mastery of mathematical foundations, algorithmic principles and computer science theory in the modeling and designing computer based systems in a way that demonstrates critical and creative thinking on the tradeoffs involved in design choices.
High 100% Avg 90.6% Low 79%


ProgressPath
DASHBOARD
Dashboard
CLASS
My Classes
ACCOUNT
My Account
ProgressPath: Student Performance Tracking System - Faculty
40
Chrisitian Dimas
TITLE DESCRIPTION PO CODE SUBMISSIONS PENDING CREATED AT DUE DATE ACTIONS
1 Task 1 Create a user manual CS01 CS02 CS03 2 / 2 0 Jan 25, 2026 08:28 PM Jan 25, 2026 10:30 PM
2 Task 2 Research for a case study CS01 CS02 CS03 CS05 CS07 CS10 2 / 2 0 Jan 25, 2026 08:28 PM Jan 26, 2026 10:30 PM
3 Task 3 Create a user manual draft CS01 CS02 CS03 CS05 CS10 1 / 2 0 Jan 28, 2026 12:44 AM Jan 29, 2026 12:44 AM
4 Task 4 Research the following CS02 CS05 CS10 1 / 2 0 Jan 28, 2026 12:46 AM Jan 29, 2026 12:46 AM
5 Task 5 Case study CS01 CS02 CS07 CS10 1 / 2 0 Jan 28, 2026 12:47 AM Jan 29, 2026 12:47 AM


ProgressPath
DASHBOARD
Dashboard
ACADEMICS
Classes
Grades
MAINTENANCE
My Account
ProgressPath: Student Performance Tracking System - Student
54
Student Jamio
Grades
Filter by Year
1 Year
Search Records
Type to search...
Show 10 entries
SUBJECT CODE
TITLE
UNITS
SEMESTER
AVERAGE
BLIS101 Introduction to Bookkeeping 3 1 94.25% (1.1)
CS ALG Design and Analysis of Algorithm 3 1 34.00% (5.0)
Gen Ed 10 - FOR TESTING Technical Writing in ICT 3 1 71.00% (5.0)
Gen Ed 10 - FOR TESTING Technical Writing in ICT 3 1 91.00% (1.4)
Showing 1 to 4 of 4 entries
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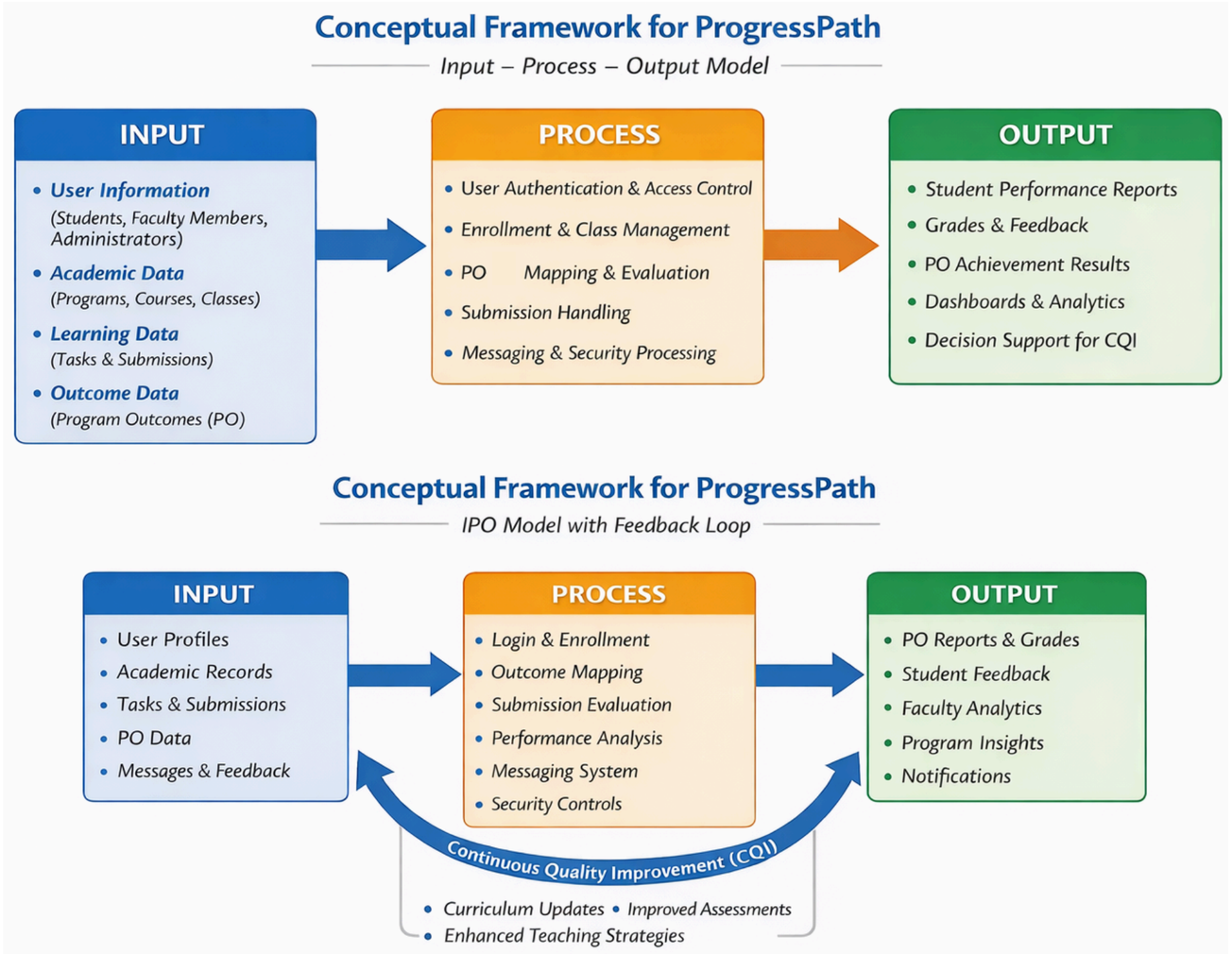
Next

TECHNOLOGY STACK

The system is built using PHP for robust server-side processing and MySQL for secure data management. The interface is developed with HTML, CSS, and JavaScript for a responsive user experience, and the entire application is designed to run efficiently on a local Laragon server environment.

Laragon

CONCEPTUAL FRAMEWORK

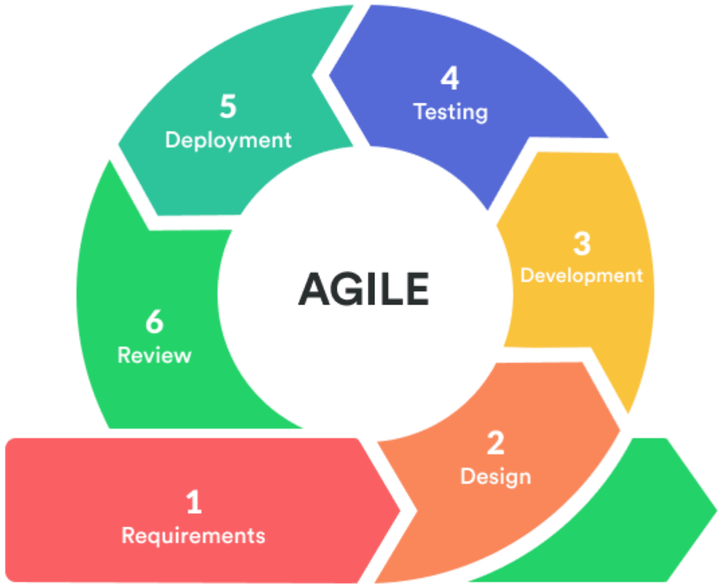


IMPACT

This system will help faculty members significantly reduce time spent on manual computations and paperwork. For the institution, it ensures that all academic records are organized and accreditation-ready, while students benefit from instant feedback on their performance.

METHODOLOGY

The project follows an Agile development methodology, allowing for continuous feedback and iterative improvements. With a structured timeline and reliance on accessible web technologies, the project is highly feasible to build and deploy within the semester.



THANK YOU

Cahaya Dewi Group