Project Closure Report: Diplom~~A~~D~~A~~

Project name and project URL in IdeaScale/Fund:	Study Control System for Universities: Diplom~~A~~D~~A~~ https://cardano.ideascale.com/c/cardano/idea/111432 Fund11 Cardano Use Cases: Concept
Identifying the Project in the Catalyst Project Milestones Module:	1100266
Name of the Project Director:	Jean Carlos Aguilar
Start date:	March 11, 2024
Completion Date:	April 2025
Budget:	ADA 99.000,00
Funds distributed:	ADA 84.150,00

The project was developed based on the proposed results, acceptance criteria, and evidence of completion for each milestone, which were then delivered. Furthermore, each milestone was reviewed by the corresponding evaluators, confirming its acceptance and successful completion, according to the evaluation criteria and Catalyst features, and based on its planned schedule.

The clear establishment of milestones and KPIs from the beginning provided us with a tangible roadmap and concrete metrics to evaluate our progress. One of the most important and challenging KPIs was security, which was addressed using secure design principles when developing the smart contracts that managed the academic information, as well as through security audits of the smart contracts.

Another KPI worth highlighting was user feedback, delivered through surveys to measure their level of satisfaction with the platform's usability and functionality. We obtained an average score above the established target.

One of our main achievements was designing an intuitive and accessible interface for both educational institutions and students, ensuring smooth system adoption. Implementing a robust and scalable solution on the Cardano blockchain required overcoming significant technical development challenges.

A key learning we gained was the integration of an application developed in PHP using the Laravel framework with Web 3.0 tools such as Lucid and Blockfrost. Typically, programming languages like Python or hybrid frameworks like Angular or Flutter are used for this type of development, but there are no known cases where PHP developments are integrated with these types of technologies.

As for the next steps for Diplomada, we plan to expand its functionality. We will continue to iterate on the user interfaces to make them even more intuitive and accessible for both institutions and students. We will also facilitate the integration of Diplomada with other systems to allow third parties to build applications on the platform. We firmly believe that Diplomada has the potential to become a regional standard for the issuance and verification of digital educational credentials, bringing transparency, security, and efficiency to the educational ecosystem.

Links:

https://github.com/FunintecVenezuela/DiplomADA

https://diplomada.funintec.net/

https://youtu.be/kqeclTtsmqU