Project Closure Report: DiplomADA

Project name and project URL in IdeaScale/Fund:	Study Control System for Universities: DiplomADA 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

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.

Establishing clear milestones and KPIs from the start provided us with a tangible roadmap and concrete metrics to assess 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 academic data, we used CIP-30 to do this.

Another KPI worth highlighting was user feedback, delivered through surveys to measure their level of satisfaction with the platform's usability and functionality.

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.

Mainnet Certification Hash:

320c1632ac467d2f319ab825ef103781693ee41df4bfe5ea0757793b22a205da

c8169adbd3219dbb80095f4684c5df83d595d93e51c116b873addc258cf9046c

1f6a9c5eae3c28bf65504ea4d2e6c88ab3d50e60b8235c88b1763d9466b545b5

Links:

https://github.com/FunintecVenezuela/DiplomADA

https://diplomada.funintec.net/

https://youtu.be/3-a0HtqvKM0