

Project Closeout Report (PCR)

Name of project

Comprehensive Entry-Level Cardano Developer Workshop 2024-2025: Learning Web3 Development Using MeshJS and Aiken in Collaboration with MCU

Project URL on IdeaScale

<https://cardano.ideascale.com/c/cardano/idea/118660>

Your Project Number

1200084

Name of Project Manager

Valdryan Ivandito

Date project started

12 August 2024

Date project completed

17 January 2025

List of challenge KPIs and how the project addressed them

We are funded under [F12: Cardano Open: Ecosystem](#) challenge. The goal of the Cardano Open: Ecosystem (non-technical) category is to drive ecosystem growth, foster education and community initiatives, expand Cardano's global footprint and onboard more Cardano users.

These were the challenge key metrics:

- Community hackathons and builder outreach (in person and virtual)
 - At the end of our project, we hosted one mini-hackathon for our participants in Maranatha Christian University
 - This will hopefully help the students to be more confident in building project in Cardano & also implement real use-case / product after learning the whole workshops
- Education advancement
 - In the beginning, we had almost none Cardano blockchain developers active from our Maranatha Christian University

- We hope that from these workshops, the students who participated will be later equipped with knowledge on building web3 on top of Cardano blockchain.

List of project KPIs and how the project addressed them

Our project KPIs are:

- Host train-the-trainers session with total 24 topics
- Host 7 workshops for student & public participants
- Host 1 mini-hackathon

Due to requests from Maranatha Christian University's lecturers, we compacted the 24 different topics into 5 working days. Lecturers who are busy and have tight schedules can still learn in a short amount of time; however they are encouraged to conduct independent research also.

And after that we conducted workshops for the students with the help of the trainers. In these workshops, we share information regarding Cardano, eUTXO, wallets, basic web development course (HTML, TailwindCSS, React.js, etc.), open-source tools (Mesh.js, Blockfrost API, Aiken, etc.). Usually we have around 12-40 students participating in each workshop.

At the end of the course, we also hosted a mini-hackathon with the theme "Marketplace based on web3". One team consists of a minimum 1 person and maximum 3 persons. There were 6 teams registered in the event. Five teams submitted their final result. Please see the mini-hackathon recap in detail in Cardano Forum (see [here](#)).

Key achievements (in particular around collaboration and engagement)

Our achievement that we achieved during the duration of this project were:

- We have achieved a 5 days train-the-trainers (TFT) session that covers 24 topics for the trainers. And also 7 workshops for the students. All of the recording video could be checked in the YouTube ([train-the-trainer playlist](#) & [workshop for students playlist](#)). For this project, here are the 24 workshops listed in the table below.
- Based on this project, we nurtured the local Indonesian students & developers to learn more about the possibility of building web3 products on top of Cardano blockchain.
- Successfully hosted 1st Cardano mini-hackathon in Maranatha Christian University

Key learnings

- Learned how to design a syllabus and structure materials for conducting a developer workshop. Since the workshop had limited time due to participants being university lecturers and students, the challenge was to create a compact and effective curriculum. The content needed to cover both web development and blockchain fundamentals, targeting beginners.

- Organized a hackathon for the first time with a marketplace theme. We defined the rules, timeline, and scoring system. However, most participants already had some prior skills; they weren't complete beginners but rather individuals with existing passion and experience.
- Experimented with paid promotions on Instagram, which successfully attracted students from other universities.
- From the trainers' perspective:
 - They had different motivations for joining.
 - Many struggled to keep up with new technology.
 - They were often occupied with administrative and managerial tasks, leaving them little time for research or learning new innovations.

Next steps for the product or service developed

- We will continue hosting workshops on DeFi (decentralized finance) at Maranatha Christian University. This time, the focus will be from a user perspective rather than a developer's standpoint. Our initiative is funded by Project Catalyst Fund13 ([F13: Cardano DEFI Workshop 2025: Learning Levvy or Fluid and Other DEFI Platform in Collaboration with MCU](#)).
- Learning from our lesson, if in the future we would like to create a workshop again, we should not compacted the syllabus into a small number of work days. Instead, we should give more time for the participants to have time to explore more.
- As educators, we pledge not to compact again a whole workshop of complex technical knowledge into a small number of work days

Final thoughts/comments

- We are incredibly grateful and surprised to have received funding—this was our first experience, and we deeply appreciate the opportunity. Huge thanks to **our supportive team** (Caliburn, Andreas, Oscar) for making this possible.
- We would also like to extend our sincere gratitude to the **IOG Catalyst Team** for their invaluable support throughout our project. Their feedback and assistance were truly appreciated whenever we encountered challenges.

Links to other relevant project sources or documents

- [GitHub repositories for workshop example code, coding challenge, etc.](#)
- [Mini-hackathon guideline PDF \(in English\)](#)
- [Assessment form for the mini-hackathon](#)

Link to Close out video

[F12 1200084](#) (YouTube Channel Komunitas Cardano Indonesia)