

Polkadot for 100,000+ Students

Proponent: 145pDKmyaeuuaJapT1sEA7bHhABrvMc1bXcY3i9gCKfqaPpH

Date: 13.07.2024

Requested DOT: 4,170 DOT (Price per USD : 6.149 EMA 30 as recommended)

Short description: An educational initiative to integrate Polkadot-related courses into an existing educational app with over 100,000 downloads, aiming to empower students with knowledge about Polkadot blockchain technology.

Project Category/Type: Software development ▾

Previous treasury proposals: -

Our existing mobile app:-

<https://play.google.com/store/apps/details?id=com.herma.apps.textbooks>

1. Context of the Proposal

Our project aims to integrate comprehensive Polkadot-related content into our existing educational app, which currently has over 100,000 downloads. This initiative will provide students with accessible resources to learn about Polkadot blockchain technology, fostering a new generation of blockchain enthusiasts and developers.

In today's landscape, where users spend roughly 4 hours daily on mobile devices, mobile apps offer unparalleled accessibility and convenience. Introducing a mobile app option enhances user experience, providing flexibility and increased interaction. This aligns with industry trends, as many blockchain networks are investing in mobile app development for similar reasons.

 **Google Play**   



1-12 Textbooks & Blockchain

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1.94K reviews

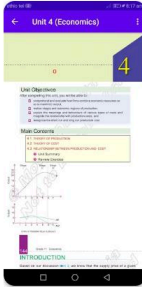
100K+
Downloads

PEGI 3

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What's new

- * 5 Additional blockchain/Cardano courses added
- * Old books navs changed to a single nav
- * Some bug fixes and improvements

Data safety 

Safety starts with understanding how developers collect and share your data. Data privacy and security practices may vary

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2:00   5G  32%



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Team Background and Credentials

Our team is passionate about blockchain technology and its potential to revolutionize various industries. We believe in the vision of decentralized networks like Polkadot and are excited to contribute to its growth by providing users with powerful tools for exploring and understanding blockchain data on the go.

1. Esubalew Amenu - [Linkedin click here](#)

- *Role:* Tech Lead
- *Experience:*
 - Over 8 years of project management in blockchain and fintech industries.
 - Successfully led multiple projects from conception to implementation, ensuring timely delivery and client satisfaction.
 - Expertise in coordinating diverse teams and fostering effective communication.
 - Currently working at [SingularityNet.io](#)
 - Email: esubalew.amenu@singularitynet.io
 - Blockchain Certified Associate (CBCA) - [Certificate ID 64a11f630d345a3a7c07d6cb](#)
 - [BSc in Computer Science](#), [MSc in Software Engineering](#), BA in Management
 - Founder of [DataScience computing plc](#)

2. Senay Fenta - [Linkedin click here](#)

- *Role:* Programmer and devops
- *Experience:*
 - Over 8+ years of software related experience in blockchain and fintech industries.
 - Expertise in development and devops
 - [Certified in Oracle logo Oracle Cloud Infrastructure Foundations 2021 Certified Associate, Associate - Information Storage and Management Version 4.0](#)
 - Founder and CEO of [Awura plc](#)

3. Mohammed Ibrahim - UX/UI Designer

- Portfolio: [Mohammed Ibrahim](#)
- Responsible for creating intuitive and visually appealing user experiences.
- Proficient in user interface design principles and user-centered design methodologies.
- Experience in designing engaging and user-friendly interfaces for mobile and web applications.

4. Matiyas Seifu - [Linkedin click here](#)

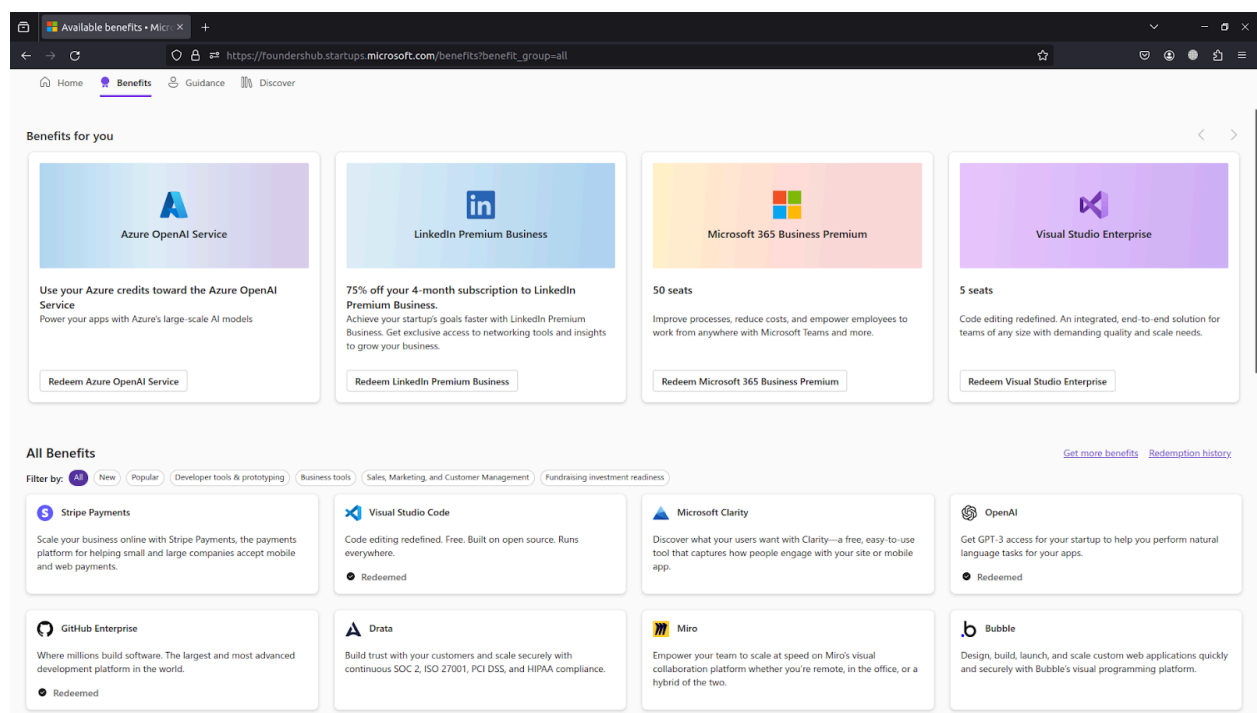
- Role: Responsible for developing the backend infrastructure, API integration, and database management.
- Expertise: Proficient in backend technologies and database management systems. Extensive experience in developing scalable and efficient blockchain related backend solutions.
- Development experience at [iCog Labs](#), [A RC ICT TECHNOLOGIES PLC](#), [A2SV | Africa to Silicon Valley](#), WhiteHat It Solution and [Eskalate technologies](#)

5. Samuel Birhanu Wada - Developer

- GitHub: [click here](#)
- Handles the mobile app development and integration of the platform.
- Proficient in front-side programming languages.
- Experience in cache, database management and API integration.

Our Capability:

- **Track Record:** Our mobile app projects showcase our proficiency, with successful applications boasting high download numbers (100,000+) and active user engagement(50,000+).
- **Collaboration:** We've established a reputation for collaboration, evident in our partnerships with industry leaders. We have been recognized by prominent entities, aligning with our commitment to excellence in software development. Our project has joined Microsoft for Startups Founders Hub with a mix of 38 technical benefits and business resources.



- **Software Development Expertise:** Our team comprises skilled professionals experienced in blockchain, mobile app, and web system development. Demonstrated success in delivering diverse technical projects with positive user outcomes. In-depth understanding of blockchain technologies, particularly tailored to Polkadot's ecosystem.

- **Open Source Engagement:** Active contributors to open-source projects, showcasing our dedication to collaborative development and knowledge sharing within the developer community.
- **Project Management Skills:** Proven project management capabilities demonstrated by the successful development and deployment of impactful systems. Our project is led by individuals holding BSc, MSc, and BA degrees, along with recognized certifications.

Motivation and Interests

- Our team is driven by the potential impact of blockchain technology on global finance and data accessibility.
- No conflicts of interest or direct associations with governing bodies within Polkadot, ensuring an unbiased approach to our development.

Backers and Stakeholders

DataScience Labs plc

[DataScience Labs plc](#) is a reputable development firm known for its expertise in blockchain solutions, including mobile apps, and web systems. Our team has a proven track record of contributing to various blockchain related projects, showcasing a deep understanding of blockchain technology and innovative development practices.

Engagement with Technical Groups

We have actively engaged with technical group channels such as [Ethiopian Blockchain Network](#) and [CodeNight](#) to connect with developers, blockchain enthusiasts, and potential team members. Our ongoing interactions in these channels ensure a direct line of communication with the community.

2. Problem Statement

Problems Being Addressed

- Lack of accessible educational resources on Polkadot blockchain technology.

- Limited engagement and understanding of Polkadot among students and the general public.

3. Proposal Objectives and Solutions

Objective

To provide comprehensive, user-friendly educational resources on Polkadot blockchain technology through our mobile app.

Solution

Integrate Polkadot-related courses and materials into our existing educational app, covering topics such as blockchain fundamentals, Polkadot's architecture, use cases, and development tools.

Unique Aspects

- **Live Data Updates:** Real-time updates to ensure users have access to the latest educational content and developments in the Polkadot ecosystem.
- **User-Friendly Interface:** An intuitive design that makes blockchain education accessible to users with varying levels of expertise.

Benefits

- **Comprehensive Analysis:** Provide students with detailed knowledge about Polkadot blockchain technology.
- **User Empowerment:** Equip students with the skills and understanding needed to engage with and contribute to the Polkadot ecosystem.
- **Community Engagement:** Encourage community participation through interactive learning modules and feedback channels.

Impact on the Network

- **Usage Metrics:** Monitor user engagement with educational content to understand its impact and relevance to the community.

- **Feedback Channels:** Establish channels for community feedback to ensure continuous improvement and adaptation of the educational content.

Our solution strives to create a comprehensive mobile app that have Polkadot learning feature that goes beyond standard functionalities, catering to the diverse needs of the Polkadot community and blockchain enthusiasts at large

4. Ecosystem Fit

- **Where and How:** Our project fits into the Polkadot ecosystem by enhancing education and awareness about Polkadot, thus fostering a knowledgeable and engaged community.
- **Target Audience:** Students, educators, and blockchain enthusiasts seeking accessible and comprehensive resources on Polkadot blockchain technology.
- **Meeting Needs:** Addresses the identified need for educational resources on Polkadot, validated through community discussions and feedback.
- **Differentiation:** While there are existing educational initiatives, our project stands out by focusing specifically on mobile accessibility and user experience, reaching a broad audience through our established app.
- **Similar Projects:** While other projects provide blockchain education, our focus on Polkadot and mobile accessibility fills a unique niche in the market.
- **Availability:** The Polkadot educational content will be available through our app on [Google Play](#), ensuring widespread accessibility.

5. Development Status

- We have initiated the content curation and design phase, preparing the educational materials and integrating them into our existing app framework.

6. Milestones and Budgets

Milestones

Milestone 1: Development of Initial Courses and Alpha Testing

Task	Description	Resource	Deliverable
Course Development	Develop content for Course 1: Introduction to Polkadot	Content specialists, educational tools	Course materials for Course 1
Course Development	Develop content for Course 2: Polkadot Architecture	Content specialists, educational tools	Course materials for Course 2
App Integration	Integrate Courses 1 & 2 into the app	Developers, integration tools	Updated app version with new courses
Alpha Testing	Conduct internal testing and gather feedback from Polkadot community	Internal testers, Polkadot community	Feedback report and app refinements

Milestone 2: Development of Remaining Courses and Beta Release

Task	Description	Resource	Deliverable
Course Development	Develop content for Course 3: Polkadot Consensus	Content specialists, educational tools	Course materials for Course 3
Course Development	Develop content for Course 4: Polkadot for Developers	Content specialists, educational tools	Course materials for Course 4
Course Development	Develop content for Course 5: Polkadot Use Cases	Content specialists, educational tools	Course materials for Course 5
Beta Release	Release updated app for broader community testing and gather user feedback	Developers, testers, feedback channels	Beta app version with feedback

Milestone 3: Final Testing and Public Release

Task	Description	Resource	Deliverable
Final Testing	Implement final refinements based on beta feedback and prepare for official launch	Developers, testers	Final app version ready for public release
Final Release	Refined version of the app will be deployed on google play	Latest version mobile app	Accessible latest version on google play
Meetup	Meetup on Polkadot and blockchain topics.	Coordination with guest speakers and experts for delivering sessions.	Successful organization of meetups with active student participation. Image/Video of the meetup process.
Survey	Survey form pre/post meetup.	Google form	Accessible pre- and post-project survey results demonstrating knowledge increase.

Timelines

Milestone 1: Development of Initial Courses and Alpha Testing

Task	Time
Develop content for Course 1: Introduction to Polkadot	4h/day * 15 days = 60h

Develop content for Course 2: Polkadot Architecture	4h/day * 15 days = 60h
Integrate Courses 1 & 2 into the app	6h/day * 5 days = 30h
Conduct internal testing and gather feedback from Polkadot community	6h/day * 10 days = 60h
Total time	60h + 60h + 30h + 60h = 210h

Milestone 2: Development of Remaining Courses and Beta Release

Task	Time
Develop content for Course 3: Polkadot Consensus	4h/day * 15 days = 60h
Develop content for Course 4: Polkadot for Developers	4h/day * 15 days = 60h
Develop content for Course 5: Polkadot Use Cases	4h/day * 15 days = 60h
Release updated app for broader community testing and gather user feedback	6h/day * 10 days = 60h
Total time	60h + 60h + 60h + 60h = 240h

Milestone 3: Final Testing and Public Release

Task	Time
Implement final refinements based on beta feedback and prepare for official launch	6h/day * 8 days = 48h

Refined version of the app will be deployed on Google Play	5h/day * 1 days = 5h
Meetup on Polkadot and blockchain topics	6h/day * 5 days = 30h
Survey form pre/post meetup	1h/day * 5 days = 5h
Total time	45h + 20h + 30h + 5h = 88h

Summary

- Milestone 1 Total Time: 210h
- Milestone 2 Total Time: 240h
- Milestone 3 Total Time: 88h
- Grand Total Time: 210h + 240h + 88h = 538h

Budgets

Milestone 1: Development of Initial Courses and Alpha Testing

Task	Time	Cost
Develop content for Course 1: Introduction to Polkadot	4h/day * 15 days = 60h	60h * \$50/h = \$3,000
Develop content for Course 2: Polkadot Architecture	4h/day * 15 days = 60h	60h * \$50/h = \$3,000
Integrate Courses 1 & 2 into the app	6h/day * 5 days = 30h	30h * \$60/h = \$1,800

Conduct internal testing and gather feedback from Polkadot community	6h/day * 10 days = 60h	60h * \$40/h = \$2,400
Total budget	210h	\$10,200

Milestone 2: Development of Remaining Courses and Beta Release

Task	Time	Cost
Develop content for Course 3: Polkadot Consensus	4h/day * 15 days = 60h	60h * \$50/h = \$3,000
Develop content for Course 4: Polkadot for Developers	4h/day * 15 days = 60h	60h * \$50/h = \$3,000
Develop content for Course 5: Polkadot Use Cases	4h/day * 15 days = 60h	60h * \$50/h = \$3,000
Release updated app for broader community testing and gather user feedback	6h/day * 10 days = 60h	60h * \$40/h = \$2,400
Total budget	240h	\$11,400

Milestone 3: Final Testing and Public Release

Task	Time	Cost
Implement final refinements based on beta feedback and prepare for official launch	6h/day * 8 days = 48h	48h * \$50/h = \$2,400
Refined version of the app will be deployed on Google Play	5h/day * 1 days = 5h	5h * \$60/h = \$300

Meetup on Polkadot and blockchain topics	6h/day * 5 days = 30h	30h * \$40/h = \$1,200
Survey form pre/post meetup	1h/day * 5 days = 5h	5h * \$30/h = \$150
Total budget	88h	\$4,050

Summary

- **Milestone 1 Total Budget:** \$10,200
- **Milestone 2 Total Budget:** \$11,400
- **Milestone 3 Total Budget:** \$4,050
- **Grand Total Budget:** \$10,200 + \$11,400 + \$4,050 = **\$25,650**

Proposal Report

Success Evaluation:

- Success metrics will include user engagement rates, app download numbers, and active user feedback.
- Progress reports will be shared bi-weekly on Polkasassembly, detailing development stages and user feedback integration.

Payment Conditions:

- Total Requested amount converted to DOT based on the current exchange rate.
- Installments: Each milestone completion triggers an installment payment.
- Reporting: Milestone reports to be submitted via Polkasassembly with links to deliverables and updated development documentation.

Why Polkadot Network?

- Polkadot's unique interoperability and scalability features make it an ideal platform for developing a blockchain explorer. The thriving community and ongoing developments provide a robust environment for innovative solutions like ours.

Discovery of PolkaDots Treasury

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- Our understanding of PolkaDots on-chain treasury was enhanced through participation in community governance forums and PolkaDots official documentation, highlighting opportunities for funding innovative projects that contribute to the ecosystem.