

What is Agricrowd?

The agricultural crowdfunding platform is to empower agricultural initiatives, facilitate investment opportunities, and ensure transparency among all participants



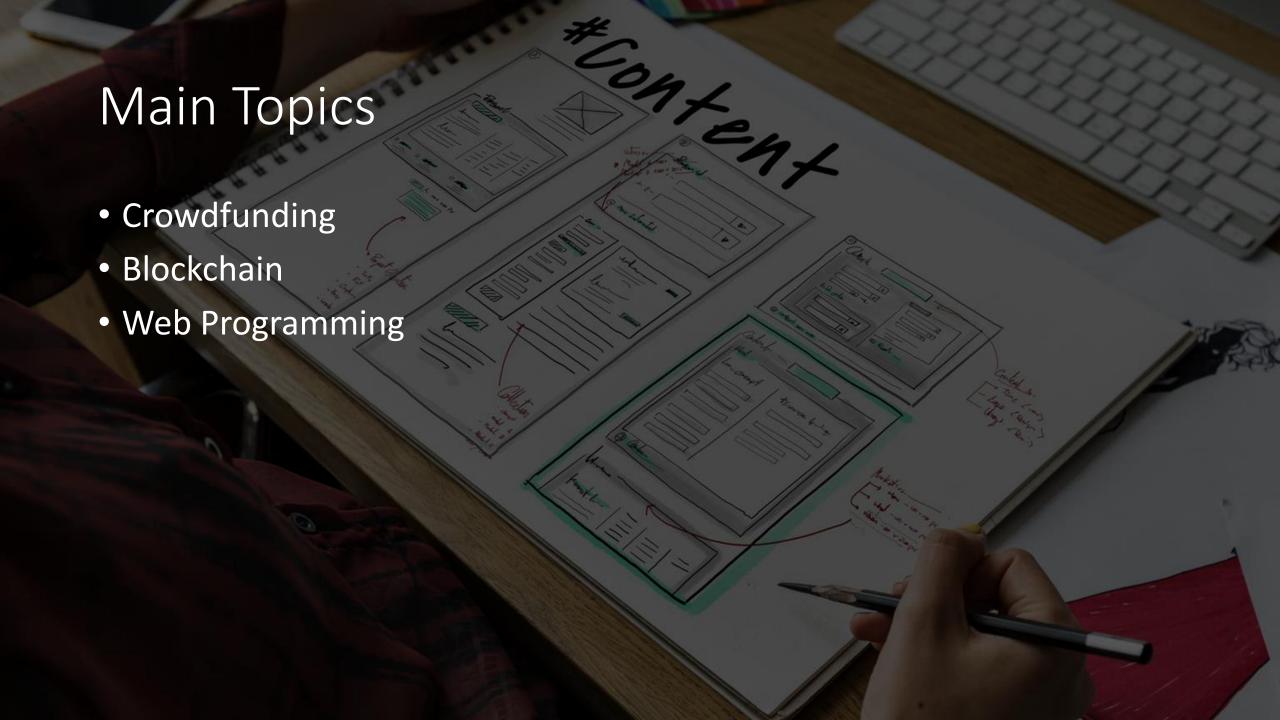
PURPOSE

The platform serves as a dynamic online hub, allowing farmers, agricultural entrepreneurs, and potential investors to showcase ventures, seek financial support, and establish collaborations within a global network. With innovative features, secure payment processes, implementation of smart contracts, and blockchain-based traceability, the platform acts as a catalyst for sustainable progress in the agricultural sector.

Target Audience

 The platform aims to target a broad audience, including farmers, agricultural entrepreneurs, investors, and donors interested in supporting innovative agricultural initiatives.







CROWDFUNDING MODELS









Pros of donation-based crowdfunding	Cons of donation-based crowdfunding	Pros of reward-based crowdfunding	Cons of reward-based crowdfunding	
No repayment or equity exchange	Limited appeal	No equity sacrificed	All-or-nothing funding	
Support for social causes	Lack of guaranteed funding	Market validation	Fulfilling rewards	
Support for social causes				
		Pre-sales and marketing	Unpredictable success	
Community engagement	Public exposure			
	Platform fees	Community building	Public exposure	

Comparision of Popular Crowdfunding Apps

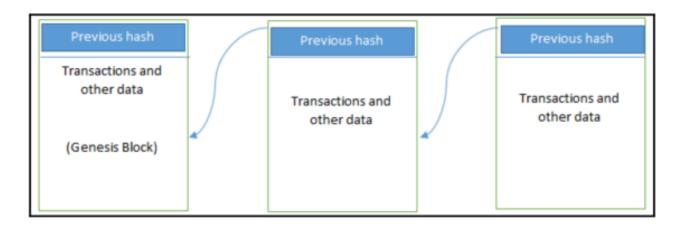
Comparison of popular crowdfunding applications is as follows

Applications →	Agricrowd	Kickstarter	Indiegogo	Patreon	GoFundMe	Ideanest	Arıkovanı
Features ↓							
Mutual Financing Reward-Based Crowdfunding	~	•	~	×	×	•	~
Locality	~	×	×	×	×	~	~
Ongoing Support	*	~	×	•	•	×	×
Support Duration Limitatitons	×	×	•	×	•	•	~
Donation For Personal Purposes and Charties	*	~	•	•	•	•	~
Project Type Restriction	~	×	×	×	×	×	×
Fund Approval Tracking	~	~	×	×	×	✓	×
Partial Fund Payment	~	×	×	•	×	×	×
Vote System	~	~	•	×	×	×	×
Fund Tracking	~	~	~	~	_	~	~
Need to Achieve Fund Goal	×	~	×	×	×	•	×
Debt Based	~	×	×	×	×	•	×
Project Filtering System	~	~	~	~	~	~	×

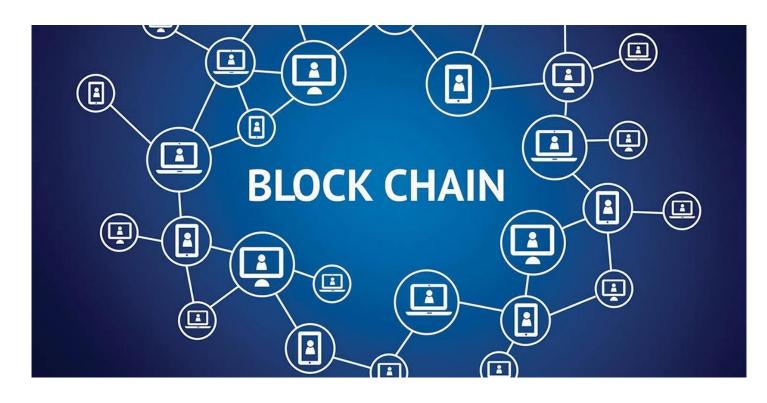
Figure 1 Comparison of popular crowdfunding applications

What's The Blockchain

• Blockchain is a data structure; it is basically a linked list that uses hash pointers instead of normal pointers. Hash pointers are used to point to the previous block. The Structure of a generic blockchain can be visualized with the help of the following diagram



Generic structure of a blockchain



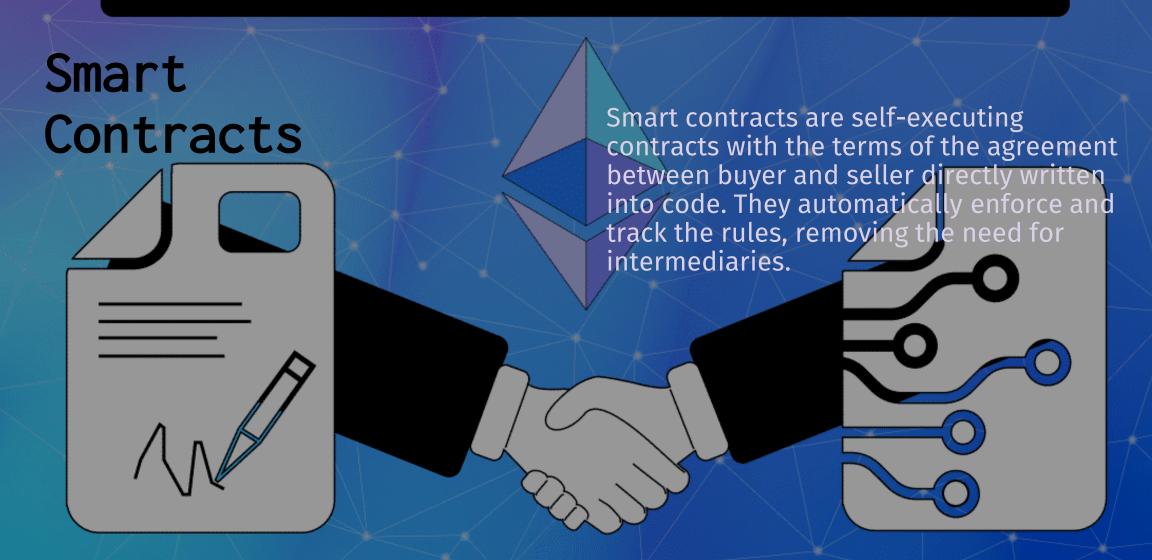
Blockchain in Crowdfunding Systems



Blockchain technology has a big potential to help donation overcome numerous obstacles.

- Decentralized: Blockchain networks are not under the authority of a single entity, preventing a single point of failure and the takeover of the network by a selected few users.
- 2) Transparency: Data recorded in a blockchain is accessible to the general public and is visible to all network participants.
- **3) Immutability:** Data entered into the Blockchain cannot be altered after it has been saved.
- 4) Security and Privacy: The cryptographically secure process in the Blockchain is one of its key aspects because it aids in boosting privacy and security.

What are Smart Contracts?



Benefits of Smart Contracts

1 Efficiency 🚀

Smart contracts automate processes, reducing the need for manual oversight.

Accuracy 📈

Eliminates errors and ensures agreements are executed precisely as agreed.

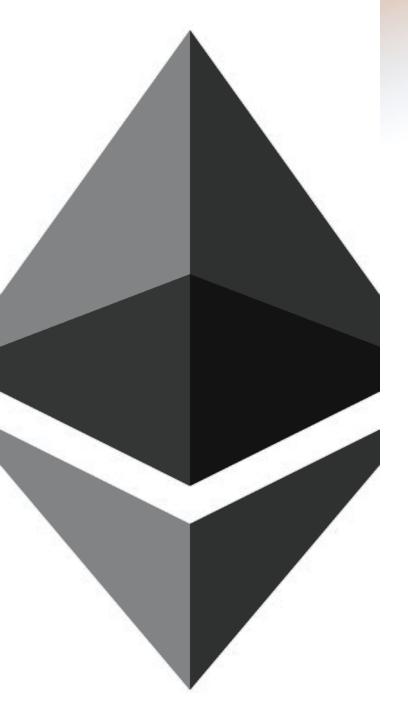
3 Transparency 🌐

Transactions and terms are recorded on a decentralized ledger, enhancing transparency.



Cryptocurrency Wallets

Cryptocurrency wallets are digital tools that allow users to securely store and manage their digital assets. These wallets utilize blockchain technology to provide a secure and decentralized storage solution for various cryptocurrencies.



Advantages of Using Metamask

1 User-Friendly Interface

Metamask offers an intuitive and user-friendly interface, making it easy for new users to adopt and understand.

2 Enhanced Security

It provides enhanced security features and enables users to have full control over their digital assets.

3 Integration with dApps

Metamask seamlessly integrates with decentralized applications, allowing the execution of smart contracts and other decentralized functions.

4 Multi-Currency Support

It supports various cryptocurrencies, providing flexibility for users with diverse digital asset portfolios.

Connecting Metamask with Smart Contracts

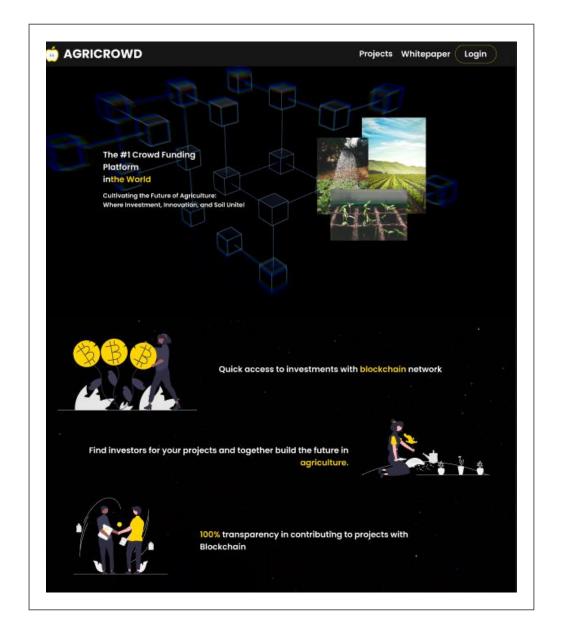
Selection Choose your preferred smart contract or dApp after connecting Metamask with a supported browser. Authorization Authorize transactions and interactions with smart contracts using Metamask's secure interface. Execution Execute smart contracts and transactions through the

connected wallet with ease.

Web 2.0

 The project focuses on establishing a strong interaction with users by using the interactive features offered by Web 2.0.
 Web 2.0 provides a dynamic experience to our users through various features integrated into our project's website, and thanks to these features, users have more opportunities to understand the basis of our project, participate, and be included in our community.

 Our project's website adopts the pioneering principles of Web 2.0 to provide a user-friendly interface and easy usability. Thanks to the website, users can publish agricultural ideas and projects that they want to invest in, and investors can access content and details that interest them.



```
__mod = modifier_ob.
  mirror object to mirror
mirror_mod.mirror_object
 peration == "MIRROR_X":
irror_mod.use_x = True
mirror_mod.use_y = False
lrror_mod.use_z = False
 _operation == "MIRROR_Y"
lrror_mod.use_x = False
lrror_mod.use_y = True
 lrror_mod.use_z = False
  _operation == "MIRROR_Z";
  rror_mod.use_x = False
  rror_mod.use_y = False
  rror_mod.use_z = True
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   er ob.select=1
   ntext.scene.objects.action
   "Selected" + str(modified
   irror ob.select = 0
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   ata.objects[one.name].se
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    ject.mirror_mirror_x"
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```

Tech Stack

In the part of the project to create a website that will interact with the user, some technologies will be used to make it user-friendly, fast, accessible, and efficient. The website basically consists of 2 parts:

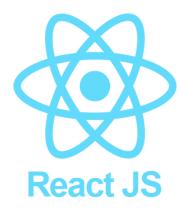
- 1. Frontend part (client-side)
- 2. Backend part (server-side)

1. Front-End Programming

The part of a website with which the user interacts directly is referred to as the front end. It is also known as the application's client side.

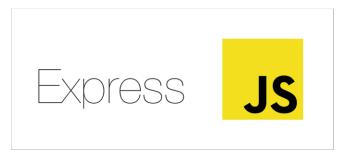
Frontend includes core technologies such as HTML, CSS, and JavaScript. While HTML is used to create web pages, CSS stylizes and organizes HTML elements. JavaScript is used to add dynamic and interactive features. Apart from these basic components, various tools and libraries are also used to meet the needs of modern web development.







2. Back-end Programming

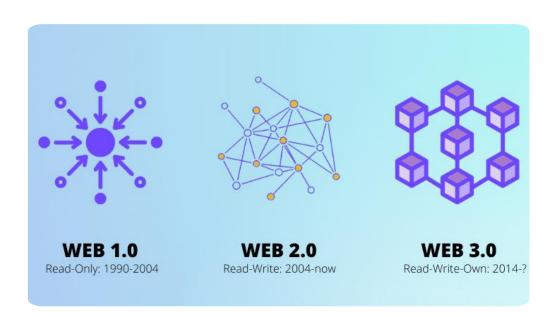


The server side of a website is called the backend. It is a part of the website that users cannot see or interact with. It is associated with the database, and various data and tables are stored there.





Web 3.0



- Web 3.0 represents an evolving phase of the internet and aims to deliver a smarter, connected, and semantic web experience. It has features such as semantic links, distributed ledger technologies, machine learning, and artificial intelligence integration. This evolution enables the sharing of more meaningful and relevant information through the ability to understand and relate content.
- For agricultural crowdfunding projects, Web 3.0 offers benefits in reaching wider audiences, secure financing, automated transactions, big data analysis, and increasing community engagement. Blockchain technology enables secure and transparent financing, smart contracts facilitate automated transactions, and semantic connections strengthen community participation

What is GIS Mapping?

(Geographic Information System)

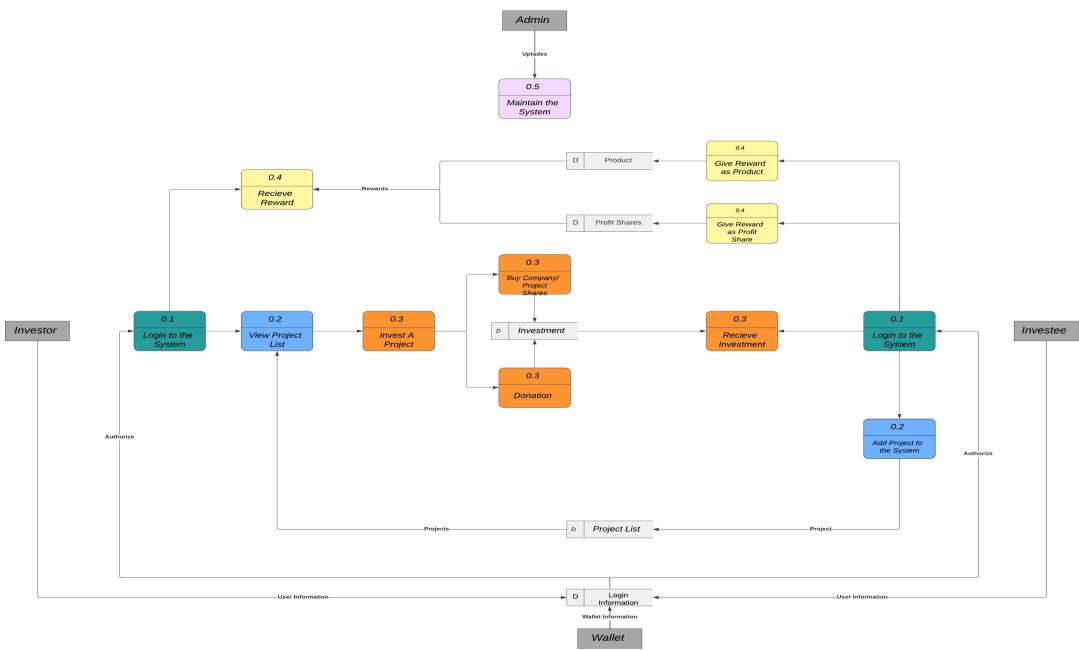
Geographic Information
 System (GIS) Mapping is a
 computer system used for
 capturing, storing, checking,
 and displaying data related to
 positions on the Earth's
 surface.



Agricrowd User Characteristic

Investee	Investor	Admin
Investee must upload details of the own project.	Investors should be able to thoroughly examine the details of projects.	The Admin must have the capability to schedule maintenance operations within the system to ensure its smooth functioning
Investee must enter the progress of the project into the system in detail.	Investors should have the option to either contribute donations or engage in reward-based funding for projects.	The Admin should regularly review system performance and apply necessary updates or fixes to enhance functionality and security.
The investee should distribute the profits generated from product sales back through the system, particularly in a reward-based system.	Investors should have the option to either contribute donations or engage in reward-based funding for projects.	The Admin may need to oversee the system's infrastructure to optimize for performance and cost-efficiency.
		Additionally, the Admin should monitor user activities for compliance with platform policies and take appropriate action when necessary.

System Design

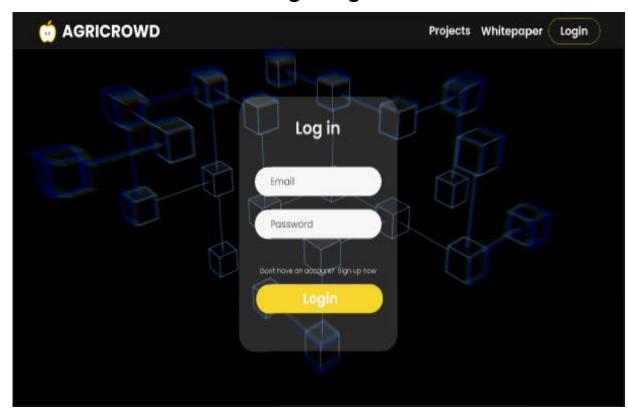


User Interface Design

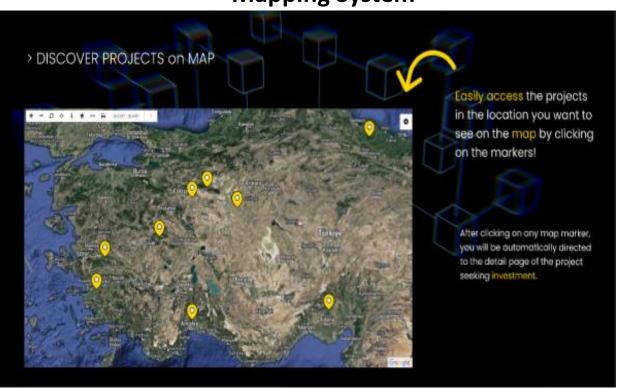
Home Page



Login Page



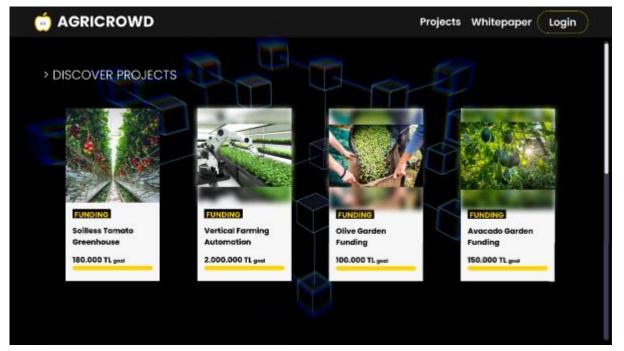
Mapping System

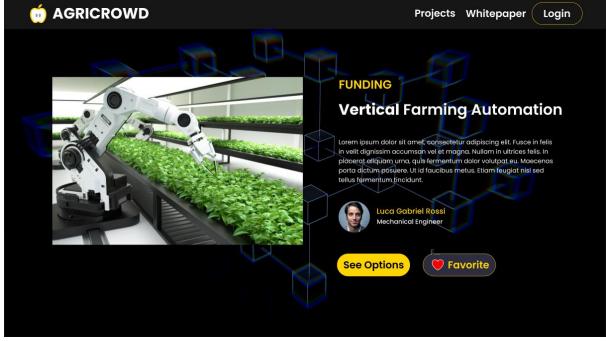


Whitepaper



Project View and Details









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Questions