

Closing Lecture

Lecture 25 (2023-06-07)

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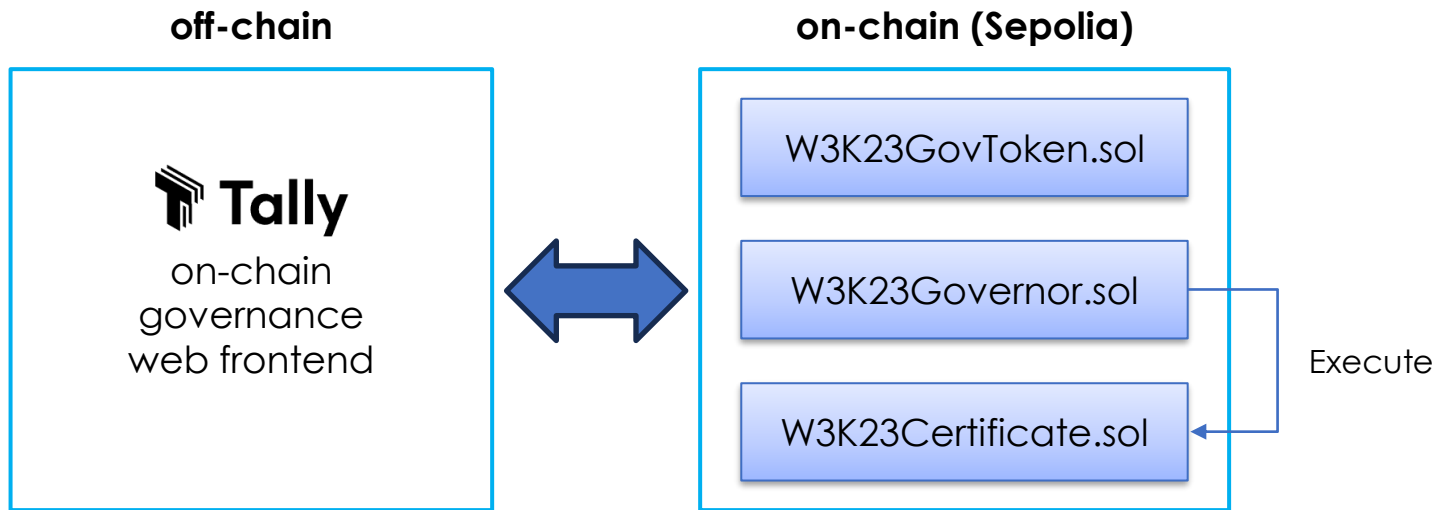
I'm very proud of all of you!
You did a great job!

**I deeply appreciate
professors, mentors, TA, and staff**

Recap

Project submission and evaluation


Step 1. Implementing on-chain governance













Recap

Project submission and evaluation

Step 2. Setting up the governance process

1. Receiving governance tokens
2. Delegating the vote to yourself
3. Creating a proposal (project submission)
4. Voting for proposals (project evaluation)
5. Tallying the votes
6. Executing the proposals (issue certificates)  *Current*

Minting certificates (triggered by votes)

| | | | | |
|---|--|---|-----------------------------|-------------------|
|  | [Op1] Exclusive NFT Tickets ACTIVE Proposed on: May 29th, 2023 | 60 <div><div></div></div> | 0 <div><div></div></div> | 60 7 addresses |
|  | [Op1] Ensuring a safe Web3 experience for everyone... ACTIVE Proposed on: May 29th, 2023 | 50 <div><div></div></div> | 0 <div><div></div></div> | 50 6 addresses |
|  | [Op1] Two Factor Authentication during Login Proce... ⓘ PENDING EXECUTION Proposed on: May 29th, 2023 | 40 <div><div></div></div> | 0 <div><div></div></div> | 40 7 addresses |
|  | [Op2] Integration of blockchain technology into th... ⓘ PENDING EXECUTION Proposed on: May 29th, 2023 | <div><div>Transaction Hash: 0x693fb160a2f7dde40f9c4ebee84fb3cdc654c9d04a566d2987762601754b535b ⓘ</div><div>Status: Success</div><div>Block: 3638594 55 Block Confirmations</div><div>Timestamp: 11 mins ago (Jun-07-2023 01:01:00 AM +UTC)</div><div>From: 0x20EfDA938E7c1bf25bA7dc6B7a4aC8075b7dFBda ⓘ</div><div>Interacted With (To): 0xea4BB23f8F6E5504aa52258CdE8E625Fe9e148c ⓘ ✓</div><div>ERC-721 Tokens Transferred:  ERC-721 Token ID [4]  Web3@KAIST 2... (W3K23...) From 0x000000...00000000 To 0xA462ab...9Ac127df</div></div> | | |
|  | [Op2] DecentralStays: travel accommdation applicat... ⓘ PENDING EXECUTION Proposed on: May 29th, 2023 | | | |
|  | [Op1] kaiState: Real Estate Tradiing with ERC20 To... ⓘ PENDING EXECUTION Proposed on: May 29th, 2023 | | | |
|  | [Op2] Leveraging Web3 for Automated Bitcoin Tradin... ⓘ PENDING EXECUTION Proposed on: May 28th, 2023 | | | |
|  | [Op2] NFT Book club ⓘ PENDING EXECUTION Proposed on: May 28th, 2023 | 20 <div><div></div></div> | 0 <div><div></div></div> | 20 4 addresses |

How was this process?

Something happened!

(It had never happened before)

- Promoting their projects via email and discord
- Voting for other projects, **67 votes for a project in average**



Students changed actively
Why?

On-chain governance

Deconstructing the power structure

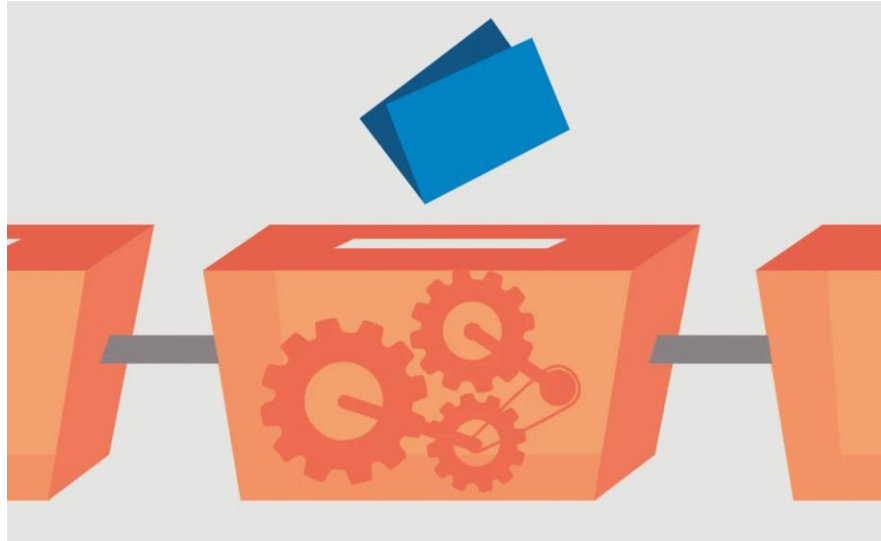


Image: <https://medium.com/@poolofstake/revisiting-the-on-chain-governance-vs-off-chain-governance-discussion-f68d8c5c606>

Motivation Design

Making the community alive

**Top 3
Awards**






VS.






**Pass
the vote**

Community-driven evaluation

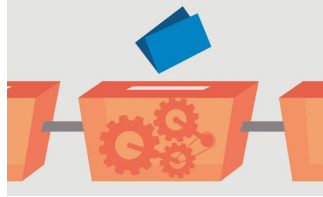
Top 3 in Option 1 (Web3 app prototype)

| | | | | |
|---|---|-------------------------------|-----------------------------|---------------------|
|  | [Op1] Decentralized freelance marketplace ACTIVE Proposed on: May 30th, 2023 | 170 <div><div></div></div> | 0 <div><div></div></div> | 170 24 addresses |
|  | [Op1] Support Ethiopia: Smart-Contracts Driven Don... ACTIVE Proposed on: May 30th, 2023 | 190 <div><div></div></div> | 0 <div><div></div></div> | 190 20 addresses |
|  | [Op1] Decentralized coupon management service usin... ACTIVE Proposed on: May 30th, 2023 | 100 <div><div></div></div> | 0 <div><div></div></div> | 100 10 addresses |

Top 3 in Option 2 (Web3 startup proposal)

| | | | | |
|---|---|-------------------------------|-----------------------------|---------------------|
|  | [Op2] "TokenomX", Intelligent tokenomics managemen... ACTIVE Proposed on: May 29th, 2023 | 90 <div><div></div></div> | 0 <div><div></div></div> | 90 11 addresses |
|  | [Op2] Fashion IP Collaboration Platform with 'Doub... ACTIVE Proposed on: May 30th, 2023 | 100 <div><div></div></div> | 0 <div><div></div></div> | 100 11 addresses |
|  | [Op2] Next-Generation Online Survey Platform ACTIVE Proposed on: May 30th, 2023 | 120 <div><div></div></div> | 0 <div><div></div></div> | 120 11 addresses |

Community



**On-chain
Governance**



vs.



**Motivation
Design**

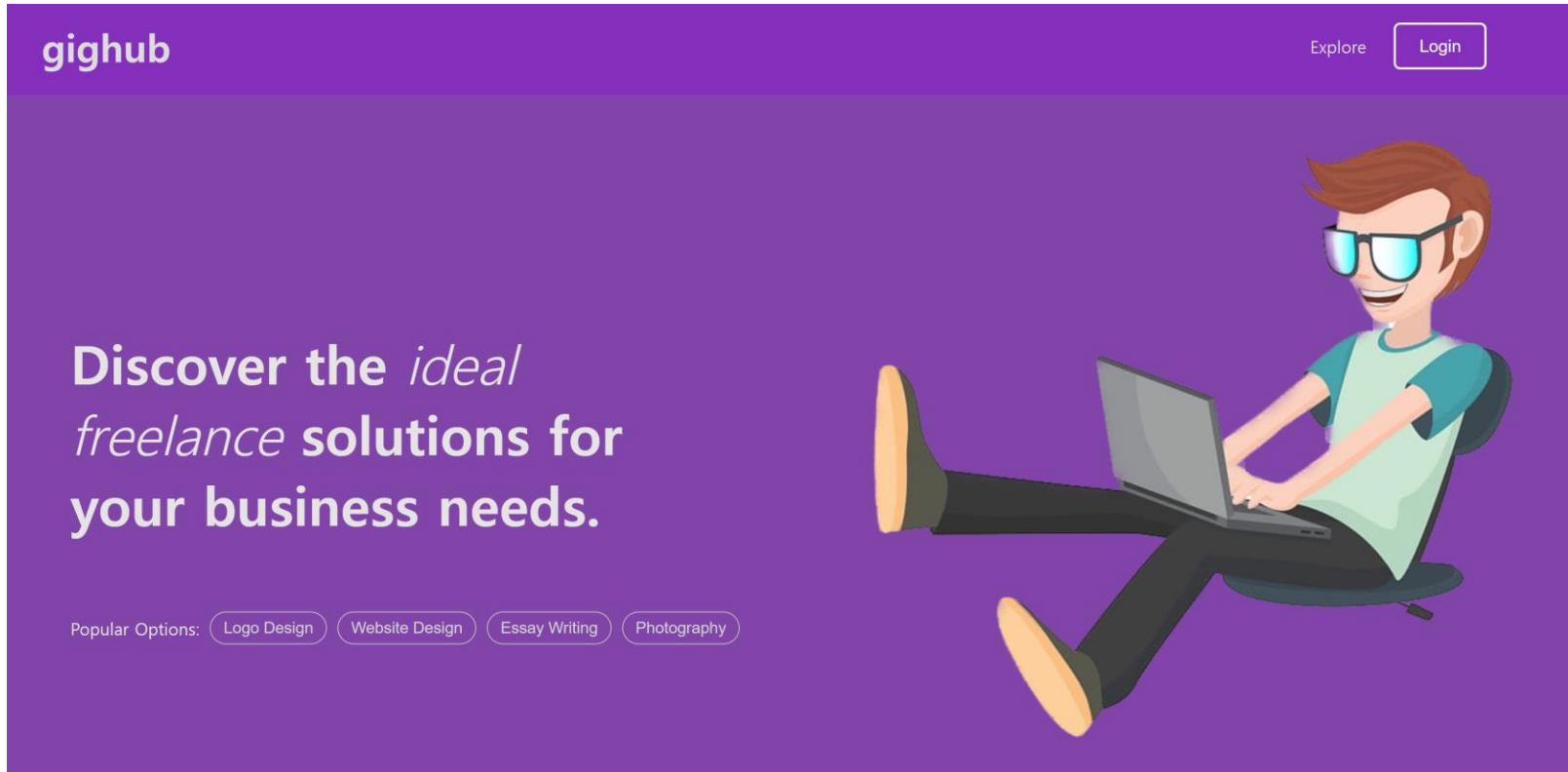


**Community
Driven
Decision
Making
(Collective
Evaluation)**

The new way of problem solving

Community-driven **
(Collective **)

Let's apply the community-driven approach



Key Problem

*Trust between
customers and
freelancers
(Information
asymmetry)*



Community-driven marketplace

- *Taking a snapshot for each milestone into the blockchain*
- *On-chain reputation with community voting and endorsement*
- *Escrow for payment guarantee and misbehavior penalty*
- *Dispute resolution through community voting*

*Encourage people to take **trustworthy actions** in **trustless environment***

Web3@KAIST
is designed for
community-driven learning
to share real Web3 experiences

Key Problem

*Difficult to share
industry insights
and experiences
in college*



Community-driven learning

- *Class as a community*
- *Inviting industry people such as mentors and auditors*
- *Project-based learning*
- *On-chain governance for the class*

*Encourage students to **learn by doing***

*→ It's the best way to absorb
industry insights and experiences*

Did it work?

Post-Mortem: Web3@KAIST

- Target audiences were broad
- Active interaction within the community failed (Discord didn't work. It's not the problem of tool)
- The curriculum needs to be revised
- Need more guidance on project ideation
- Need to check in with projects along the way
- Need to build community governance from the start
- Need stronger incentive for mentors to engage
- Too much work, need more staff or operation team
- And more

My Vision

Traditional
University



*Applying
community-driven learning
with industry experts into colleges*



Alternative
University



MINERVA
UNIVERSITY

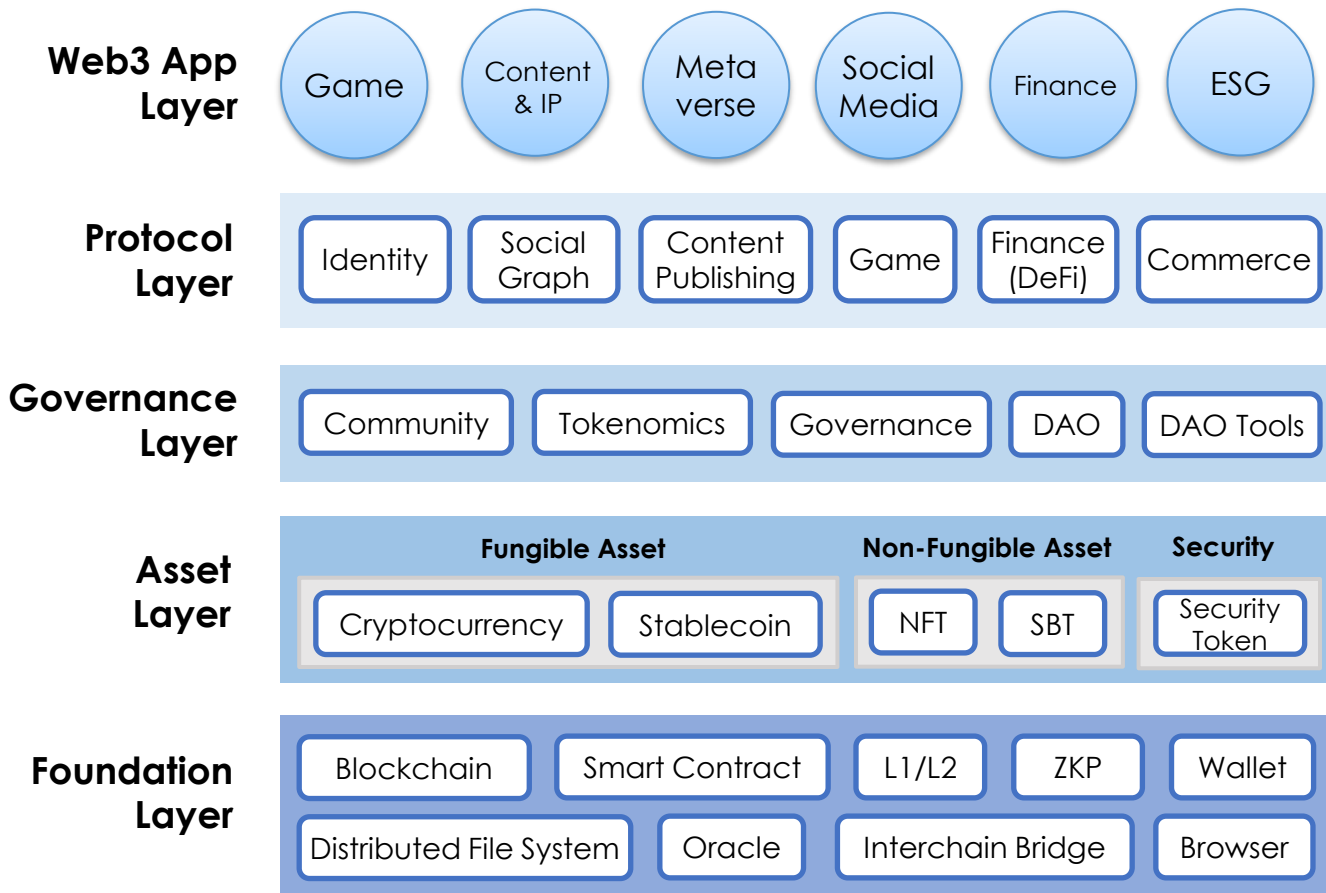
<http://web3classdao.xyz/kaist/>

web3classdao is not a DAO

It's a community for people who care about
better higher education with Web3

**What's next
on your Web3 journey?**

Revisit: Web3 stack you learned



In terms of web3 technology, we covered three layers from the bottom. You had a skill to develop your own basic web3 apps

Lecture 19

Access control, on-chain governance, upgradeable contracts

Lecture 15, 17

non-standard token, ERC20, ERC721 (NFT), ERC1155, ERC5192 (SBT), Oracle, IPFS

Lecture 1 – 12

Web3 stacks, blockchain tech, programming solidity, smart contracts, building dapps, web3 security

You qualified
as **an entry-level Web3 developer.**

What's next on the Web3 journey

Less
efforts

1. Forgetting it (I learned enough)
2. Self-studying the next level
3. Contributing to open source Web3 projects
4. Joining in Web3 communities or DAOs
5. Joining in Web3 hackathons
6. Working for Web3 companies as interns
7. Founding a Web3 startup

Sweet spots
Easy & fruitful

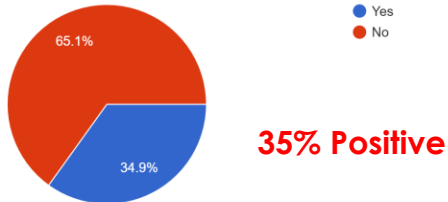
More
efforts

Web3@KAIST Hackathon

Previous survey on hackathon

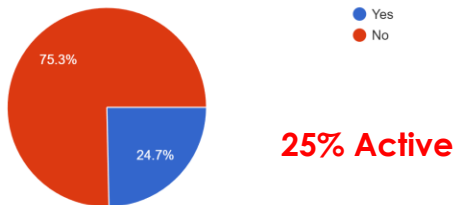
If we held a hackathon, would you participate?

응답 146개



If we held a hackathon, would you be willing to join the operating committee?

응답 146개



- We are talking about the hackathon
- Held in September (TBD)
- Based on Web3@KAIST projects
- Helping students improving projects
- Offering more education program
- Unions of universities will organize
- Mentors and startups will support
- Asking for volunteers
- Community? On-chain governance?

Interns in Web3 companies

If you are interested in doing an intern, contact to me. I'll help you

BISONAI

bitBLUE
Bloom Loyalty in yoUr Environment

COMPANOID
L A B S

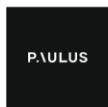
Peertec



FORTE

coredot lab

Genesis
Lab.com



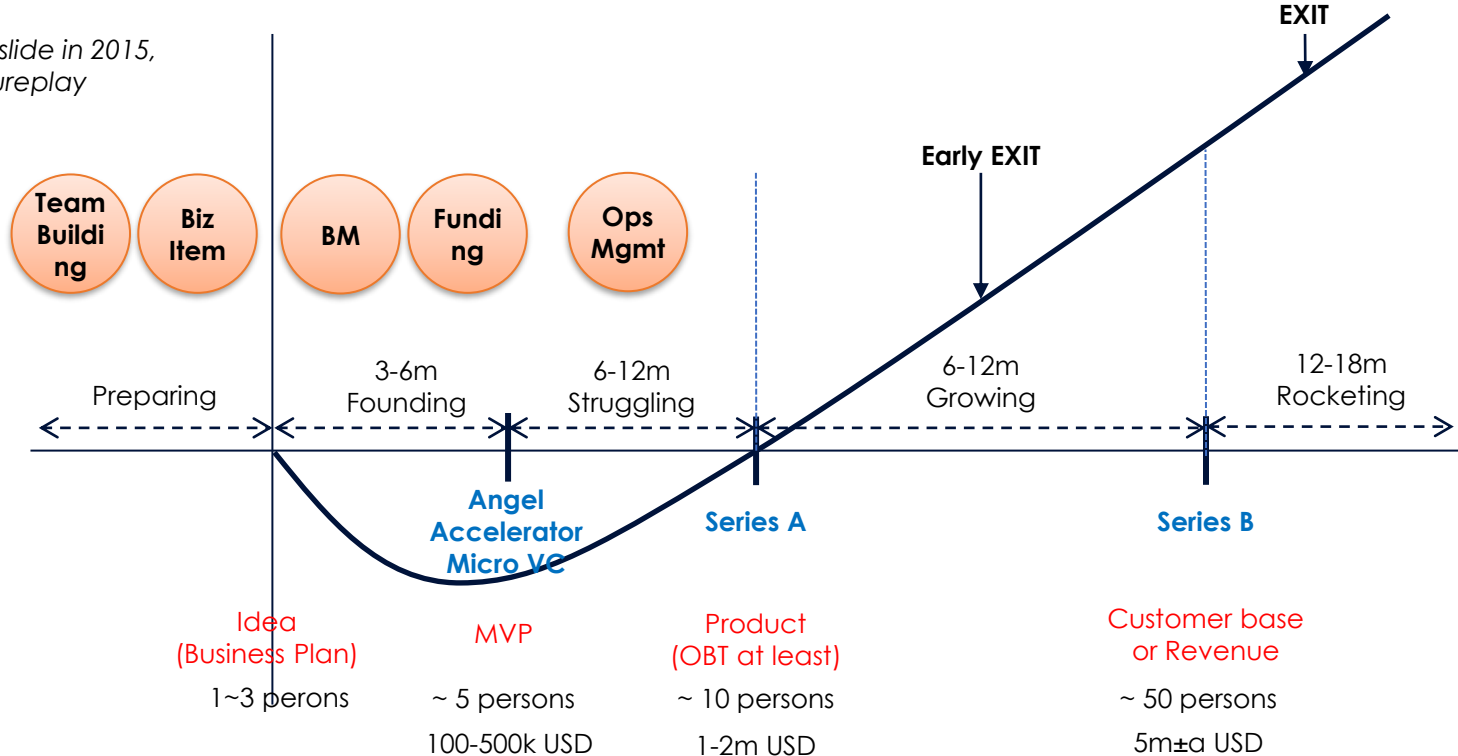
Xangle



Founding a startup

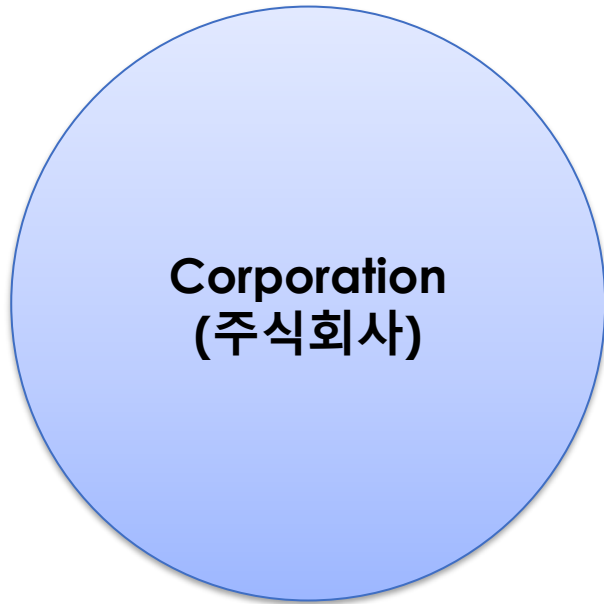
*It's extremely hard, but it's worth it.
Web3 is still an untapped frontier of startups*

From my slide in 2015,
Futureplay

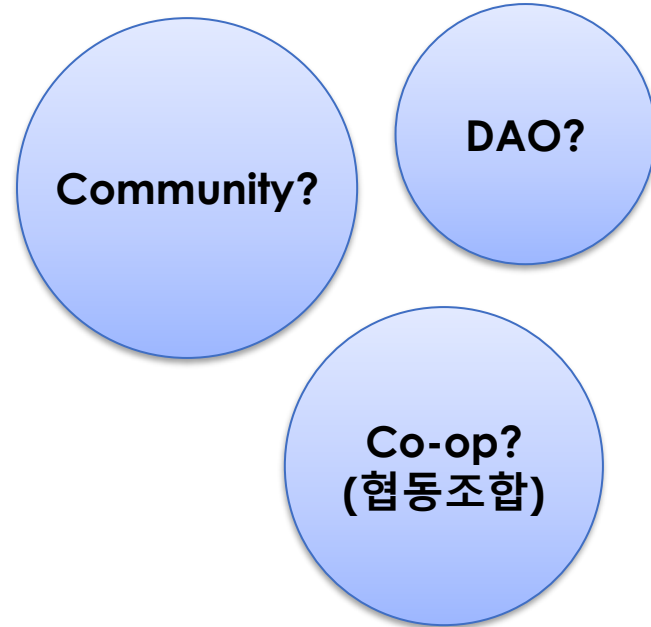


Trying out an alternative model

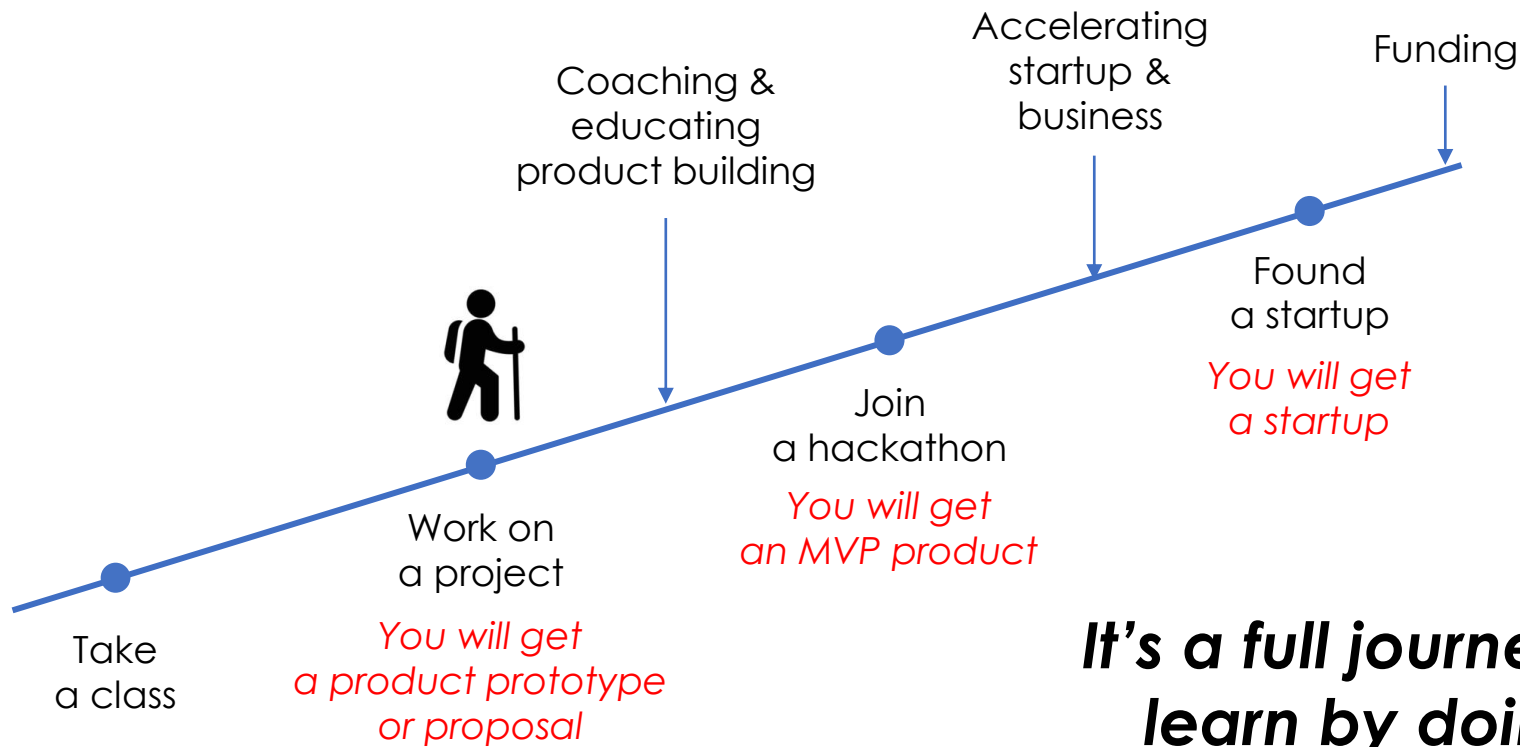
Is it the best model
to make the world better



Exploring an alternative model
of organization



My ultimate goal of Web3@KAIST



It's a full journey of learn by doing

Web3 is in its infancy
Web3 doesn't have the official definition

**But, we know the Web and online world
have a lot of problems**

These problems will drive the Web to the next step
Web3 is the next step

AI? Metaverse?

Blockchain
Cryptocurrency
NFT
Smart contracts
Governance
DAO
...

Web3



**Don't follow what others say.
Explorer your own route!**

Thank you all so much!