# Hyperledger Mentorship Project Presentation

August 2021

# Global scouting of DLT / Blockchain Educational opportunities.

- **Introduction**
  - **Name**: Amit Chaudhari, Zhenming Yang (first half)
  - **Country:** India, Taiwan.
  - **Mentor(s):** Alfonso Govela
  - **Hyperledger Project**: Global Directory of DLT / Blockchain Educational Opportunities

THE LINUX FOUNDATION

# Global scouting of DLT / Blockchain Educational opportunities.

- **Project Description**:
- We are creating a Community of people who are interested in learning about blockchain and DLT.
- We expect to create a knowledge Graph and a Taxonomy of resources in DLT. People will be able to learn from these tools and help curate them and grow them.
- We are Using Neo4j as a place to host our knowledge graph database.
- We are also creating a website using NextJS (a React based framework) to enable learners for interaction with the database.
- We are also using crawlers made Using Scrapy (Python) and Colly (Golang) to crawl for data from websites that permit it.
- We are making efforts to create a thriving community, full of people willing to learn more about DLT/Blockchain, and teach others what they already know.

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- **Project Objectives**:
  - We envisioned five core activities:
    - **Taxonomy for** Educational Opportunities.
    - **Questionnaires** for Meet-ups, SIGs and WGs.
    - **Web Crawler** and scraper for scraping learning resources.
    - **Curatorship** for the existing wiki by learning materials group.
    - **Knowledge Graph** of the taxonomy.

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- **Project Deliverables:**

✅ A simple, but strong and representative, version of our Directory.
✅ A taxonomy of Educational Opportunities specific to DLT
✅ A small, but geographically extended, working community.
⭕ A basic set of tools to support collaboration. (Hosted on a Website)
    ✅ Knowledge graph.
    ✅ The Taxonomy.
✅ Web crawler to help find Learning opportunities faster.
⭕ A final report and a series of blog covering the process of scouting for learning opportunities.

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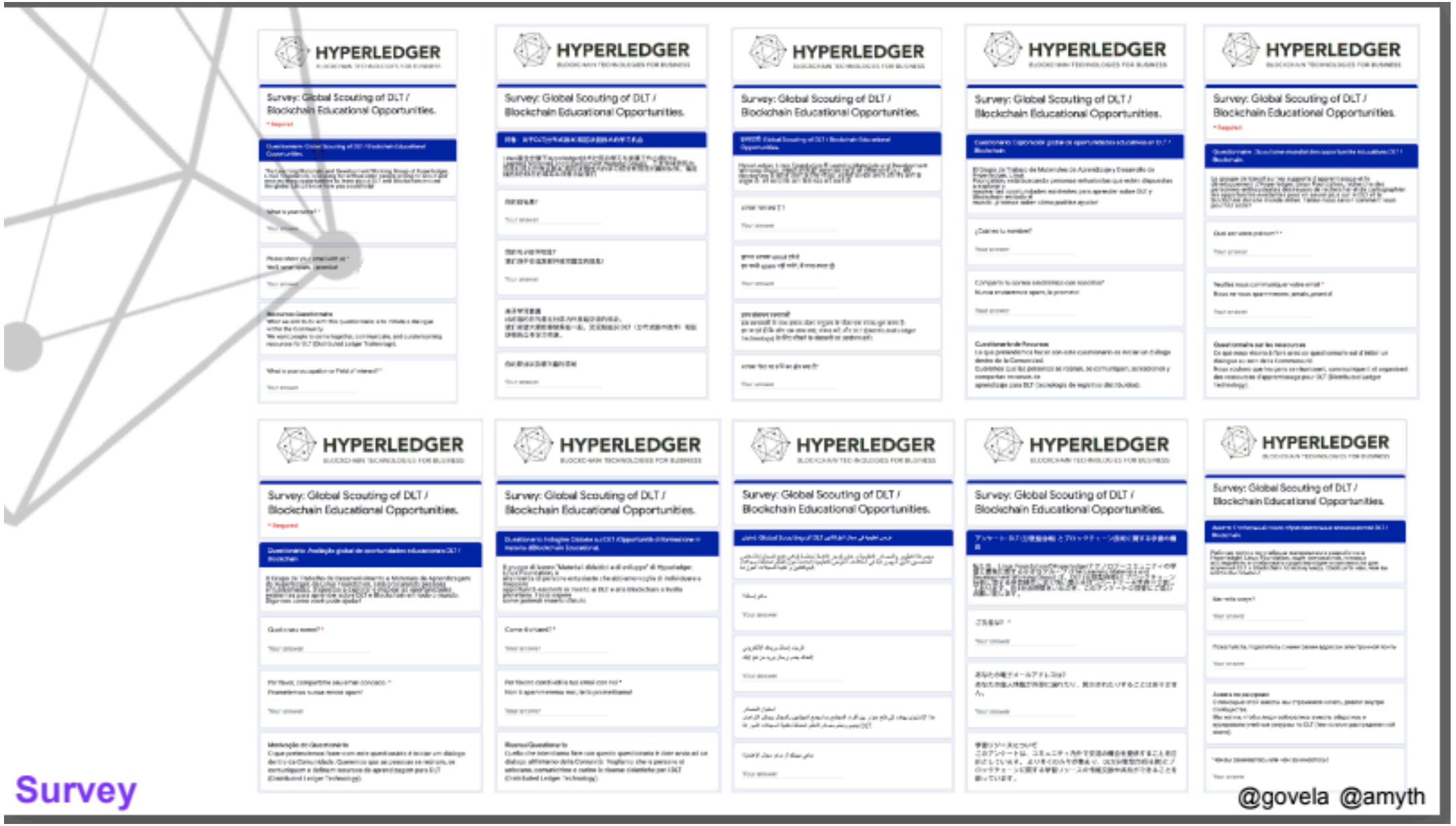
- **Project Execution & Accomplishments**:

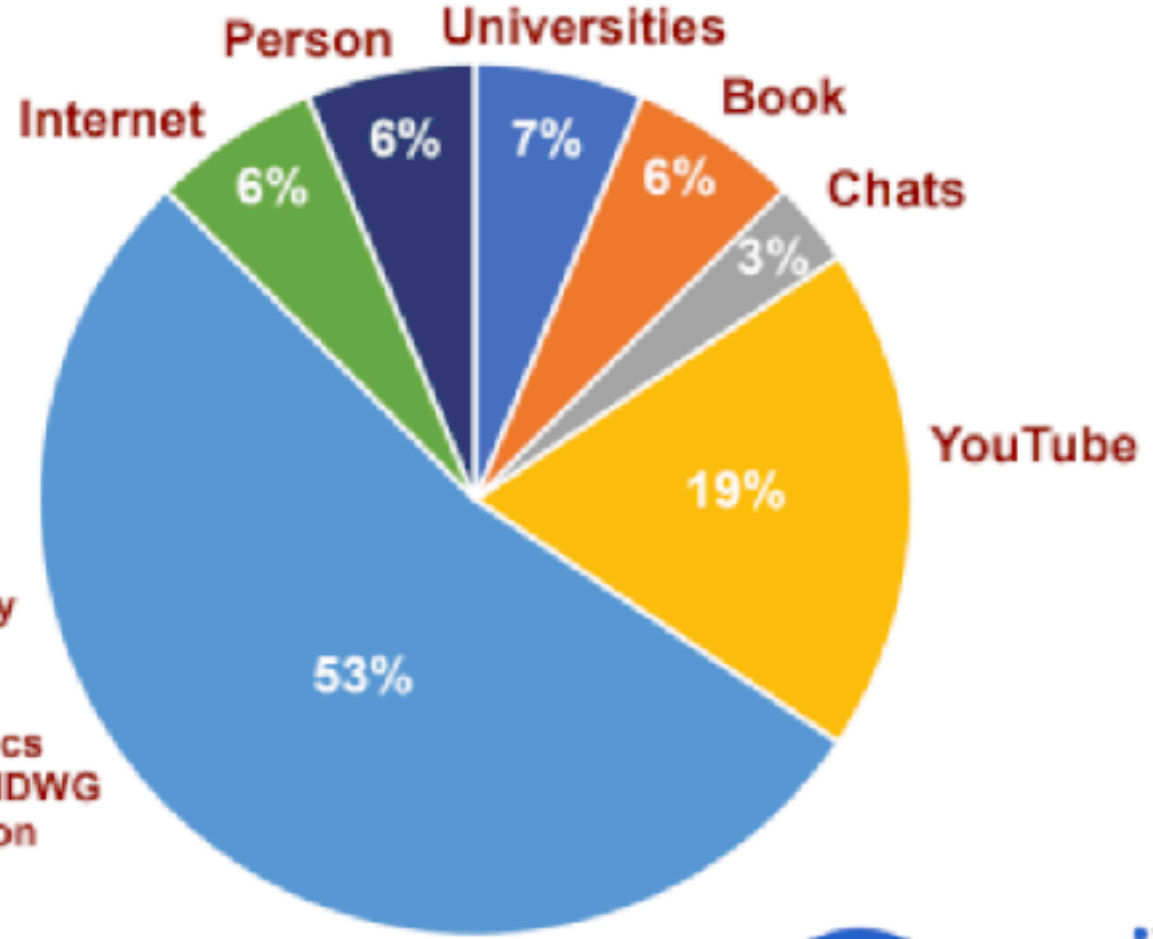
Until now,

- Successfully hosted the Knowledge Graph on the Neo4j Aura.
- We have created a visualisation of the Knowledge Graph that helps people to interact with it.
- We have created a Taxonomy which details Everything that the community has in a neat format.
- Conducted Questionnaires and a meet-up talk about this Project.


HYPERLEDGER
BLOCKCHAIN TECHNOLOGIES FOR BUSINESS
Survey: Global Scouting of DLT / Blockchain Educational Opportunities.
@govela @amyth

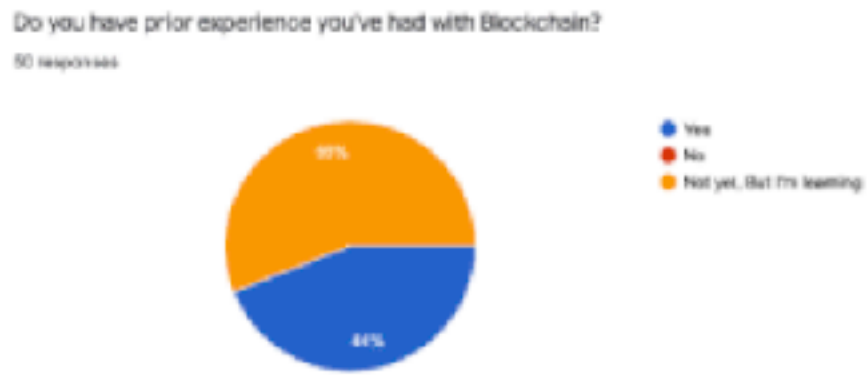
## Survey

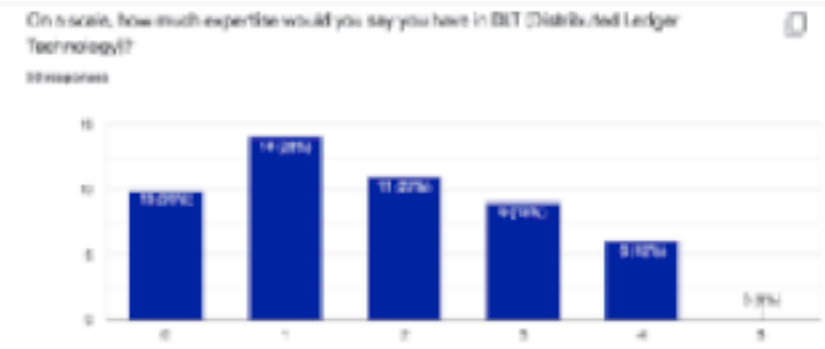
# Learning Resources




## Platforms

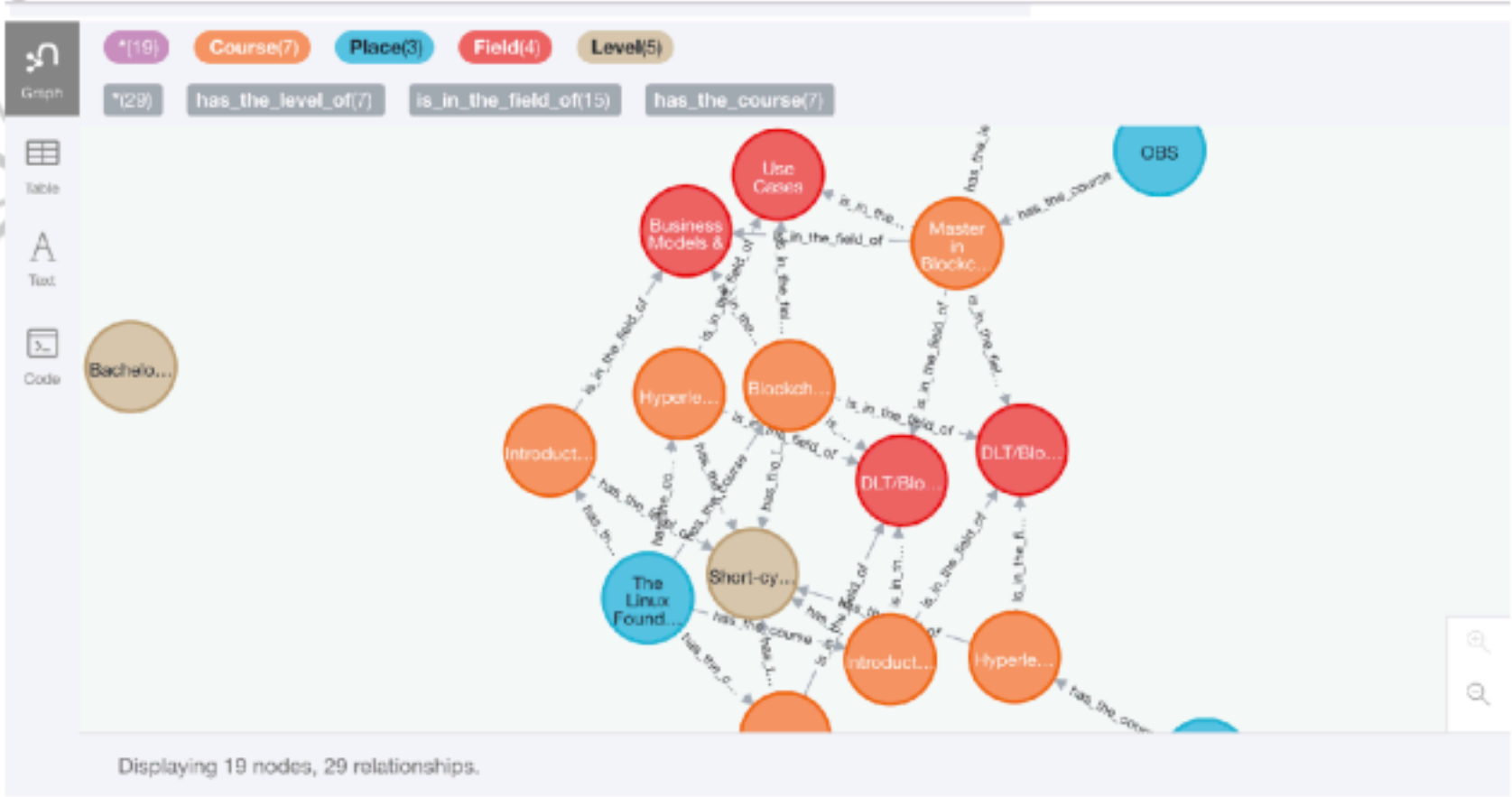
Block52
CodeAcademy
Coursera
Cryptozombies
DAPP University
EatTheBlock
edX
Hyperledger Docs
Hyperledger LMDWG
Linux Foundation
Udemy

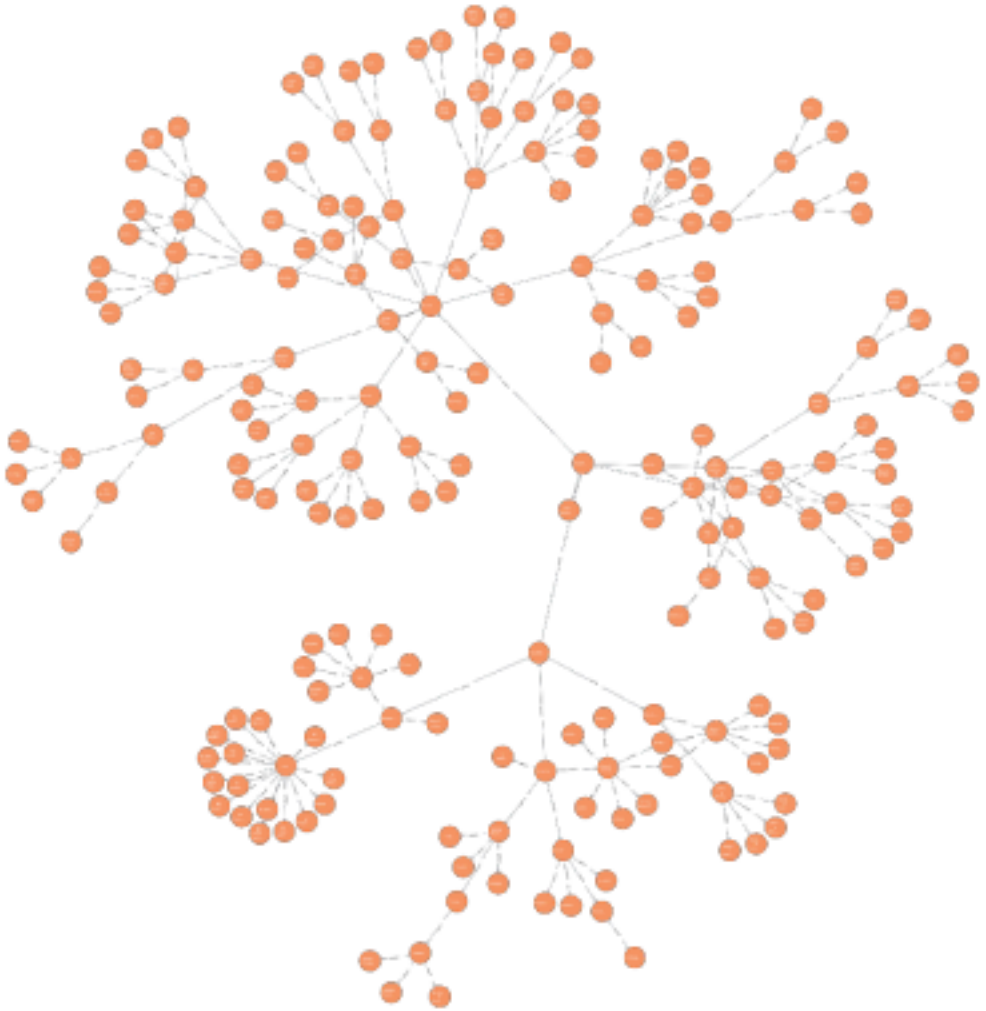





# Survey Results



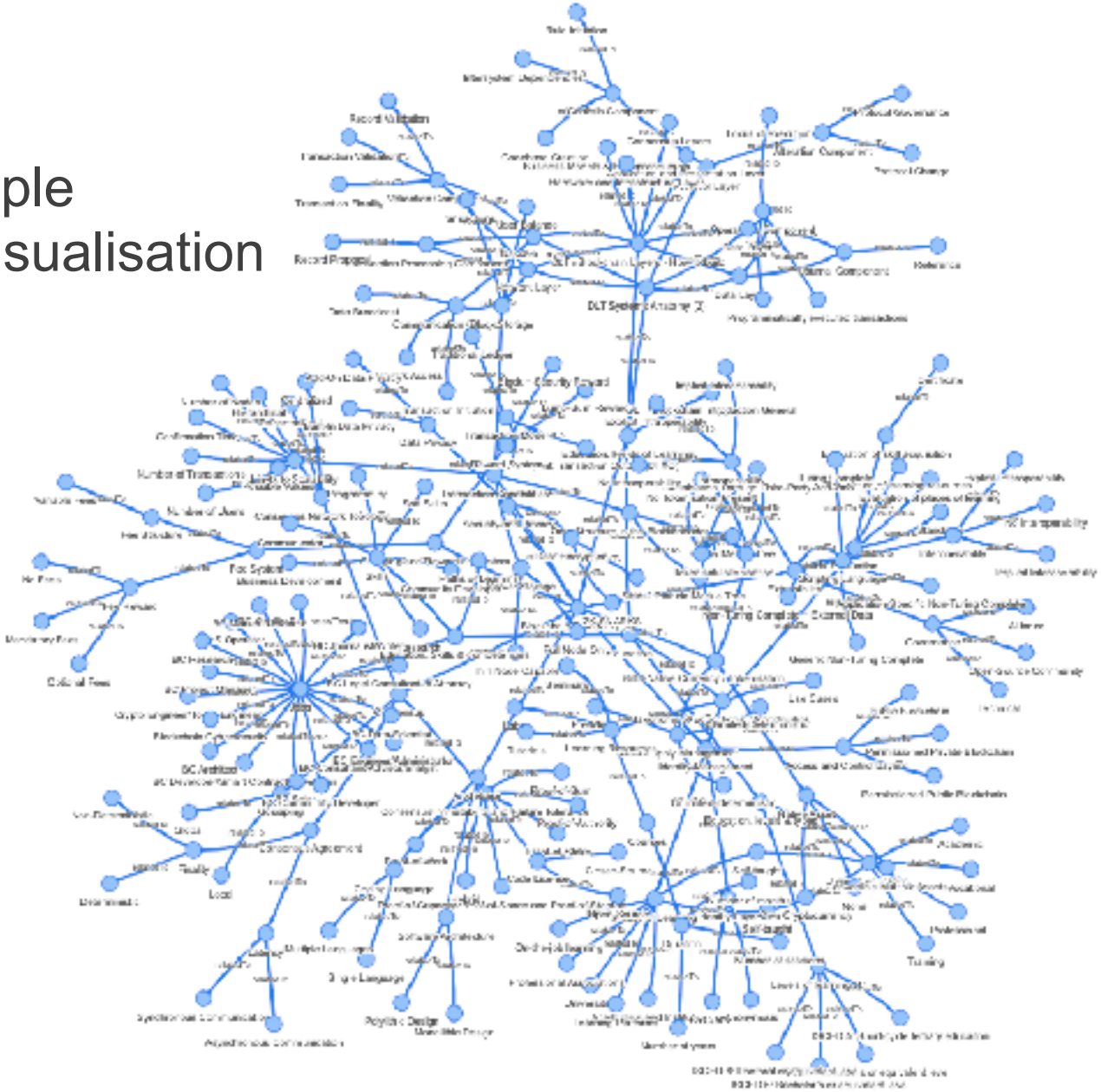

# Knowledge Graph v1, proposal by Zhenming Yang, previous Mentee



## Knowledge Graph, v2 by Amit Chaudhari

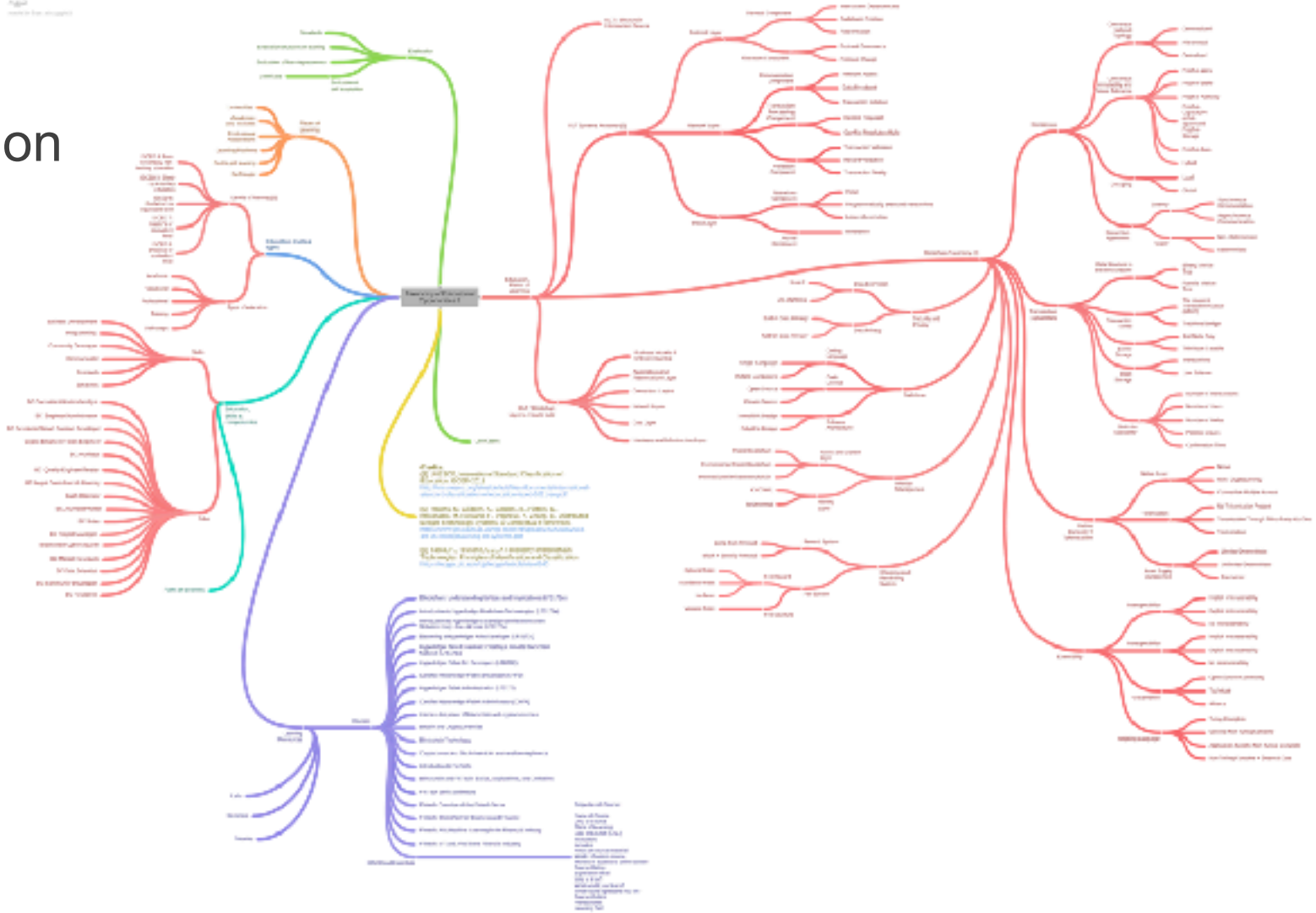
@amyth

# Current Development sample of the Knowledge graph Visualisation

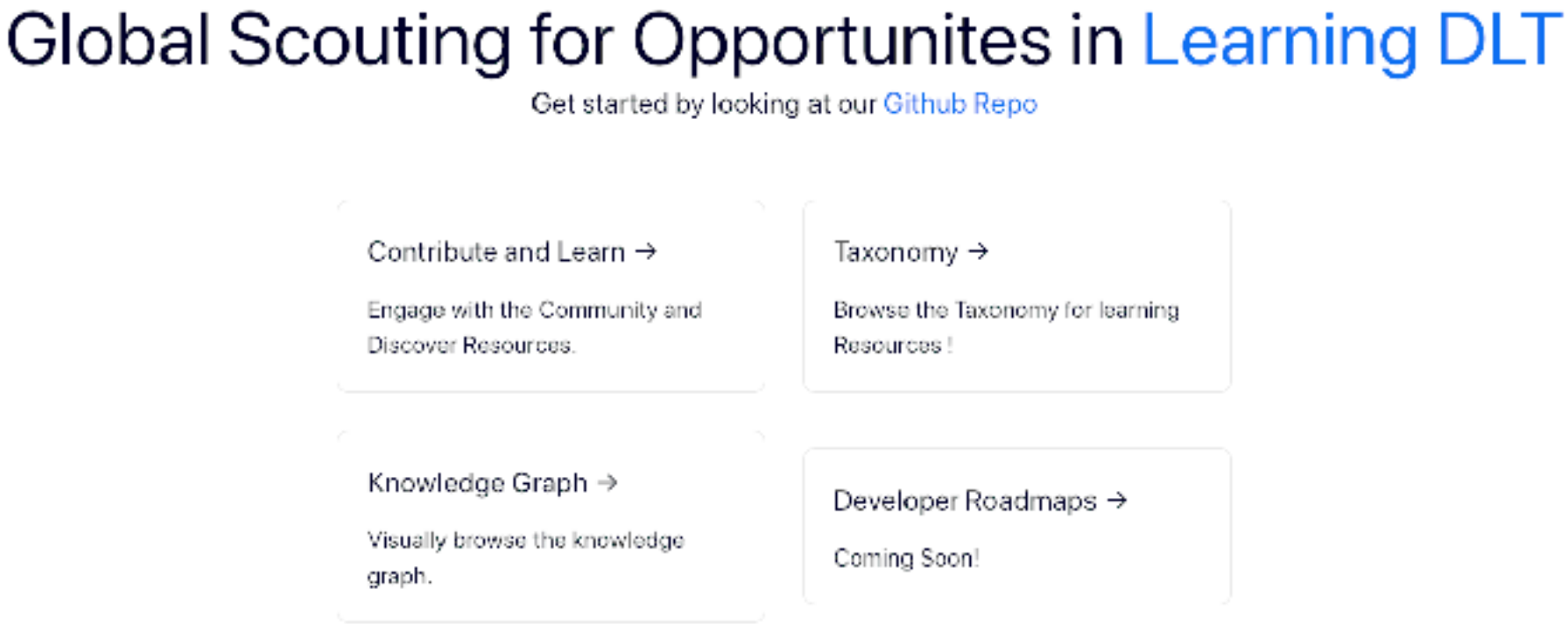



BC Engine...
BaaS Operator
Crypto Engine...
BC Research
Educatio...
Paths of Learners
BC Consult...
BC Data Scientist
Jobs
BC Market Resea...
BC Architect
BC Quality Engn...
BC Journali...
BC Commu...
BC Sales
Blockch...
BC Project Mana...
BC Legal Consu...
BC Develo...
relatedTo

# Current sample
# of the Taxonomy Visualisation



Current Development sample
of the Landing Page.



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- **Recommendations for future work:**

- **Curatorship Projects** : adding more data / curating the existing data.
- **Adding Badges and token based system to gamify the process of adding resources**.
- **Improving documentation**: Improve the documentation for the project website.
- Add **better Search and filter support** for the Knowledge Graph browsing and accessibility.
- Migrate to Typescript: for several benefits in terms of Dev-Exp
- **Accessibility Improvements** to the website [make the webpages confer with WCAG] .
- **Internationalisation support** for the website.
- Look into schema.org formats and possibly improve the current skeletal structure of the knowledge Graph.

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- **Project Output or Results:**

**Questionnaire Link**: https://docs.google.com/forms/d/e/1FAIpQLScIycREPYu3jmwHtJoA8kj0NT1huSk1KXPBDG3et3BwANDLEA/viewform
**Meetup Talk Link**: https://www.youtube.com/watch?v=UjWoC-QNZSo
**Website Link (Older Version)**: https://global-directory-for-dlt.vercel.app/
**Github Code Link (Stale Commits)**: https://github.com/amitchaudhari9121/global-directory-for-dlt
**Project Page Link**: https://wiki.hyperledger.org/pages/viewpage.action?pageId=51613795

I'm still in the process of completing the code for the website, I've not pushed my stash yet (reason)
The Final (for this mentorship) deliverable website version will be deployed within 26th to 30th of August.
This delay in schedule is because of the unplanned and unfortunate incident with my friend and fellow mentee.
I did say I will take on all of his responsibilities, deliverables and then planned for the second half of this project,
We are on track for the progress.

# Global scouting of DLT / Blockchain Educational opportunities.

- **Insights Gained:**
- Everything that can go wrong will go wrong. 😅
- Availability of resource is not the same as accessibility of that said resource. A lot of learning material is available, but it needs to be more accessible.
- Open-Source is more about the community & communication within the community than it is about just writing code.
- Opinionated Libraries/frameworks are not bad, they are just trying to solve very specific problems.
  Once You understand why it was created, you start to vibe with why it handles things the way it does.
- Learning curve should also be factored in while choosing your tech-stack.


THANK YOU!