



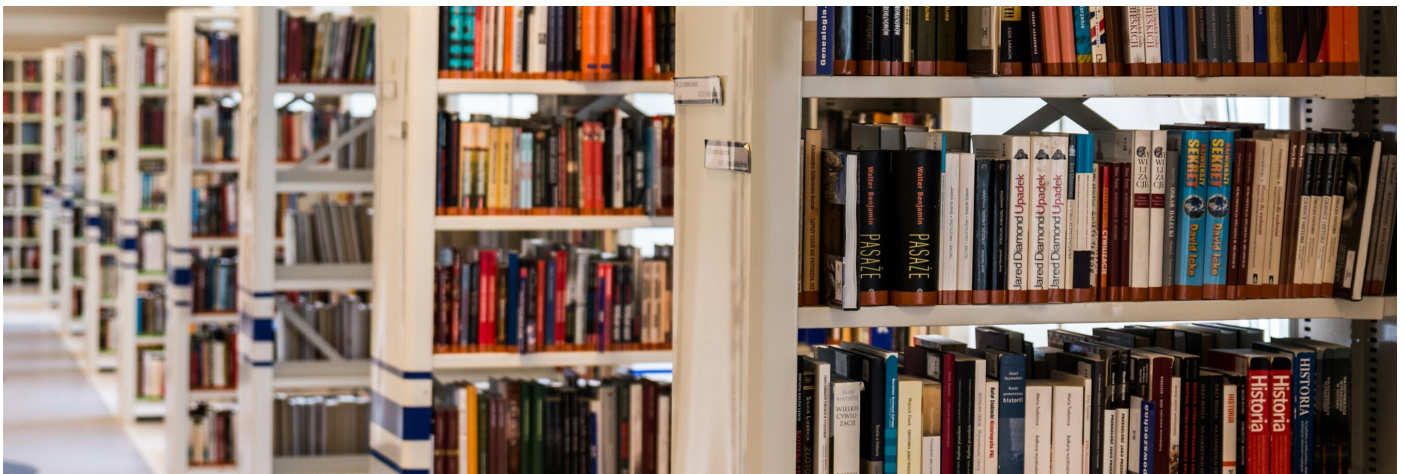
BLOCKCHAIN IN EDUCATION SECTOR

A Quick Summary

EDUCATION

Online education removes the time and space limitations of the traditional mode of education, and promotes several key characteristics, such as cost saving, high efficiency, insufficient accessibility and abundant teaching resources. For instance, online live classes outperforms recorded products in terms of interactivity and teaching efficiency, thus have become the most popular form of language tutoring and learning for the time being. Currently, online education services are provided in a centralised manner. There are significant problems accompanying this centralised manner of operation such as high commission rates by online educational platforms, and poorly motivated developers resulting in substandard educational content. The users experience the loss of value through these inefficiencies which reduces growth and development of the online education industry. (Ayers, 2019)

Additionally, educational diplomas and certifications issued by both online and physical institutions are also managed almost entirely by centralised learning institutions. In the event that verification of one's education is required for the purpose of either employment or continued education, the process is completely dependent on the physical institutions' centralised authority. (Deep, 2019)



Furthermore, the following matters remain to be challenges for the educational institutions:

- Redundant or Duplication of records
- Ineffective design of teaching products due to lack of incentives for the content producers
- Insufficient research of teaching content
- Outdated teaching systems
- Inadequate teacher training (train-the-trainer) sources
- Lack of an incentive mechanism to fully motivate content researchers, educators and system developers in the education ecosystem
- Illegitimate diplomas/certificates

Some of the areas of interest in Education Sector and how Blockchain Technology will address these areas are summarized below:

Library and Information Services: Blockchain solutions can be used to enhance library and information services in schools.

Degree Verification: Blockchain solutions can be used to help assure employers that potential candidates have the qualifications that they claim on their resume, by storing that information in a secure ledger.

Course Management: Peer-to-Peer Course administration without any immediate intermediary to arrange and list courses becomes possible by using Blockchain Technology where even the payment for the services given can be paid within the system without the involvement of any bank for the payment.

Subsectors

Knowledge-Sharing Platforms, Education Platforms, Digital Degrees

Stakeholders

Education Providers (Private/Public institutions), end-users, educators, disseminators, content creators, suppliers of teaching contents and products, technology suppliers and credit raters, advertisers, reviewers, exhibition/convention organisers

Asset Type

The type of tokens in this sector are generally utility tokens with exceptions. Depending on the coin, there are different services provided. Examples to these services include, but not limited to, Request a new program, Enroll in an available program, List a program, List an event, Message other users, Bid on programs, Store degrees/certificates, Request certificates, Verify/deny claims, Issue certificates, Access User Information (Certificates, Courses, etc.)



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