Blockchain learning: can crypto-currency methods be appropriated to enhance online learning?

Conference or Workshop Item

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Blockchain learning:

Can crypto-currency methods be appropriated to enhance online learning?

A talk by Peter Devine  |  Wednesday 9th December – 2015, 11:00am – 11:30am
ALT ONLINE WINTER CONFERENCE 2015  |  altc.alt.ac.uk/online2015

Institute of Educational Technology, The Open University
What is Blockchain?
Blockchain Learning – Can crypto-currency methods be appropriated to enhance online learning?

Blockchain: Blueprint for a New Economy

Melanie Swan

Peter Devine – Institute of Educational Technology. The Open University
Blockchain Learning –

Can crypto-currency methods be appropriated to enhance online learning?

Bitcoin: an online currency and payment system...

Peter Devine – Institute of Educational Technology. The Open University
MegaBigPower
CEO Dave Carlson inside
North America’s biggest bitcoin mine as of April 2014.
1 $ = £261.9

Exchange rate calculated using USD Bitcoin price via Preev.com
06 December 2015, 23.00hrs
Can crypto-currency methods be appropriated to enhance online learning?

Example of a Bitcoin address: 3J98t1WpEZ73CNmQviecrnyiWrnqRhWNLy

Example of a Private key: ***********************

Peter Devine – Institute of Educational Technology. The Open University
- Can crypto-currency methods be appropriated to enhance online learning?
What is Blockchain?
Can crypto-currency methods be appropriated to enhance online learning?

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For information regarding Smart Contracts
Ethereum.org

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Centralised
Can crypto-currency methods be appropriated to enhance online learning?
- Can crypto-currency methods be appropriated to enhance online learning?

Income & Expenditure = Teaching & Learning

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What is Blockchain Learning?

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Academic development  Educational finance

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Can crypto-currency methods be appropriated to enhance online learning?

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What is Blockchain Learning?
Example 1

A possible application of The Blockchain in learning and teaching –

Expose the student learning record to the public

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Can crypto-currency methods be appropriated to enhance online learning?
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Example 2
A possible application of The Blockchain in learning and teaching —

Offsetting costs of learning using peer-to-peer network
Can crypto-currency methods be appropriated to enhance online learning?

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Decentralized Cloud Storage

Storj is based on blockchain technology and peer-to-peer protocols to provide the most secure, private, and encrypted cloud storage.

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Next steps and conclusion