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?
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
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 Bitcoin = £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:
********************************************************************************

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Blockchain Learning –

Choose your Bitcoin wallet

Find your wallet and start making payments with merchants and users.

- Mobile
- Desktop
- Hardware
- Web

Bitcoin Core
GreenBits
Multibit HD
Armory
Electrum
mSIGNA

Bitcoin Wallet
breadwallet
Bither
Coinomi
Copay
Airbitz

Take time to educate yourself

Bitcoin is different from what you know and use every day. Before you start using Bitcoin for any serious transaction, be sure to read what you need to know and take appropriate steps to secure your wallet. Always remember that it is your responsibility to choose your wallet carefully and adopt good practices in order to protect your money.
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For information regarding Smart Contracts
Ethereum.org

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Blockchain Learning –

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Last block
Total BTC sent: 34901.5891661
Transaction amount: 2453
Revealed: 20.71086279 BTC
Time: 16:48 05/12/2015

Time since last block

Selected transaction
Click on the moving transaction to select it.

youtu.be/kVRzIY6zhoo
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Can crypto-currency methods be appropriated to enhance online learning?

Centralised

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De-centralised

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Income & Expenditure = Teaching & Learning
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?
What is Blockchain Learning?

Peter Devine – Institute of Educational Technology. The Open University
Example 1
A possible application of The Blockchain in learning and teaching –

Expose the student learning record to the public
Blockchain Learning –

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

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Can crypto-currency methods be appropriated to enhance online learning?
Can crypto-currency methods be appropriated to enhance online learning?
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?
Can crypto-currency methods be appropriated to enhance online learning?
Next steps and conclusion