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

Bitcoin: an online currency and payment system...
MegaBigPower
CEO Dave Carlson inside North America’s biggest bitcoin mine as of April 2014.
Can crypto-currency methods be appropriated to enhance online learning?

1 Bitcoin = £261.9

Exchange rate calculated using USD Bitcoin price via Preev.com
06 December 2015, 23.00hrs

Peter Devine – Institute of Educational Technology, The Open University
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?
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For information regarding Smart Contracts
Ethereum.org

Peter Devine – Institute of Educational Technology. The Open University
What is Blockchain?
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“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.
Last block
Total BTC sent: 34801.83715651
Transaction count: 2643
Revealed: 26.71082755 BTC
Time: 16:48 09/10/2015

Time since last block

Selected transaction
Click on the moving transaction to select it.

ytu.be/kVRzlY6zhoo
What is Blockchain Learning?
Blockchain: Blueprint for a New Economy

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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?

De-centralised

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Income & Expenditure = Teaching & Learning

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What is Blockchain Learning?

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Academic development

Educational finance

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ePortfolio  

Learning Wallet  

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

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Next steps and conclusion