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

Conference or Workshop Item

How to cite:


Link(s) to article on publisher’s website:
https://altc.alt.ac.uk/online2015/sessions/blockchain-learning-can-cryptocurrency-methods-be-appropriated-to-enhance-online-learning/
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: 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...

Peter Devine – Institute of Educational Technology. The Open University
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?

10 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:
********************************************************************
Can crypto-currency methods be appropriated to enhance online learning?
What is Blockchain?
Can crypto-currency methods be appropriated to enhance online learning?

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

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

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Centralised

Peter Devine – Institute of Educational Technology, The Open University
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De-centralised

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Income & Expenditure = Teaching & Learning

Can crypto-currency methods be appropriated to enhance online learning?
What is Blockchain Learning?
Can crypto-currency methods be appropriated to enhance online learning?

Academic development  Educational finance

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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?

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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