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: Blueprint for a New Economy

Melanie Swan

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

1 BTC = £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?
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Can crypto-currency methods be appropriated to enhance online learning?

Centralised

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\[ \text{Income} \& \text{Expenditure} = \text{Teaching} \& \text{Learning} \]
What is Blockchain Learning?
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Academic development  

Educational finance

Peter Devine – Institute of Educational Technology, The Open University
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What is Blockchain Learning?

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