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

How to cite:

For guidance on citations see FAQs.

© [not recorded]
Version: Version of Record

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

Blockchain: Blueprint for a New Economy

Melanie Swan
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
CEO Dave Carlson inside North America's biggest bitcoin mine as of April 2014.
1️⃣ 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:
3J98t1WpEZ73CNmQviecrnyiWrnqRhnWNLy

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?

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

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

For information regarding Smart Contracts
Ethereum.org

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

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

Centralised

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

De-centralised

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

Income & Expenditure = Teaching & Learning

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

Peter Devine – Institute of Educational Technology. The Open University
Can crypto-currency methods be appropriated to enhance online learning?
Can crypto-currency methods be appropriated to enhance online learning?
What is Blockchain Learning?
Example 1

A possible application of The Blockchain in learning and teaching –

Expose the student learning record to the public

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

Peter Devine – Institute of Educational Technology. The Open University
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

Peter Devine – Institute of Educational Technology, The Open University
Can crypto-currency methods be appropriated to enhance online learning?
- Can crypto-currency methods be appropriated to enhance online learning?
Next steps and conclusion