BlockNet Project Multiplier Event

Vilnius University (online), Dec 3, 2020

http://Project-BlockNet.eu

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Disclaimer
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The many promises of blockchain

Blockchain technology will:

• transform how humans transact - value can be exchanged as quickly as information;
• facilitate peer-to-peer payments, manage records, track physical objects and transfer value via smart contracts, all without a third party;
• address the issues of trust, sharing, and privacy as part of human society…
Goals of the project

• Project BlockNet ("BlockChain Network Online Education for interdisciplinary European Competence Transfer") is funded by the European Commission in the context of the Erasmus+ program “KA2-Cooperation for Innovation and the Exchange of Good Practices. Strategic Partnerships for higher education”.

• The fundamental goal of BlockNet is the development and practical implementation of an interdisciplinary Blockchain Technology (BCT) Online Course.

• To date, there are no interdisciplinary courses providing students of different majors with knowledge of BCT, its applications and impact on business environments, as well as comprehensive essential skills to be prepared for the interdisciplinary work they will face in future projects.
Project-BlockNet.eu Partners

Vilnius University
Established in 1579
20,000 students

University of Copenhagen
Established in 1479
40,000 students

University of Tartu
Established in 1632
15,000 students

TU Dortmund
Established in 1968
35,000 students

110,000 students in four partner universities!

1422 years of teaching experience!
Project-BlockNet.eu Associated Partners

PayAlly
IT University of Copenhagen
IPSERA
LEISTUNGSZENTRUM
LOGISTIK UND IT
Fraunhofer IML
DIGITAL IN NRW
KOMPETENZ FÜR
DEN MITTELSTAND
tieto
SpectroCoin
Few words about Project-BlockNet.eu

- ERASMUS+ Strategic Partnership project launched in 2018
- The first project of this size (ca. 350,000 €) to be coordinated by Kaunas Faculty of Vilnius University
- The „trend setter“: one large project is launched at Kaunas Faculty each year following BlockNet:
- Just-in-time for the growing demand for online education
- Catering to the growing demand for Interdisciplinary education
- Focused on “technology of the future”
The trailblazing Project-BlockNet.eu

• What was promised: Developed a new interdisciplinary course
• Important “extras” obtained along the road:
  • Developed the interdisciplinary (skills) competence model for BlockChain technology specialists
  • Developed a method for developing the (skills) competence model for nascent technologies
  • Published N papers along the way
  • Became a foundation for BSc, MSc, and PhD thesis writing
    • 20+ MSc, 4 PhD, etc.
  • Promoted/used at several external to the Project Consortia universities
    • University of Latvia, Excelia Business School in France
    • Contributed to the fast-growing Open.eStudies portal at VU, as well as to similar initiatives at the partner universities
• Else?
The BlockNet course in numbers

- 1300 Lecture slides
- 950 Minutes (16 hours) of voice-over narration
- 520 Minutes (9 hours) of YouTube video examples and cases
- 18 ECTS of study courses in 7 modules
### BlockNet:
BlockChain Network Online Education for interdisciplinary European Competence Transfer

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<tr>
<th>#</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to distributed ledger technologies and properties (2h), business development (1h), and digital entrepreneurship (30 min)</td>
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<tr>
<td>2</td>
<td>Introduction to cryptography (2h) and information systems for blockchain (2h) and challenges</td>
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<td>3</td>
<td>Business processes (2h) and requirement (2h) specification</td>
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<td>4</td>
<td>Blockchain-enabled supply chain processes and modeling (4h)</td>
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<td>5</td>
<td>Cryptocurrencies (2h) and tokenization (1h) and token-based exchange mechanisms (1h)</td>
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<td>6</td>
<td>Introduction to platform and application development (1h), programming models (1h), and smart contract programming (2h)</td>
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<td>7</td>
<td>Online case development and project presentations</td>
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<tr>
<td>1</td>
<td>Cryptographical methods (2h) and security design for distributed information systems (2h)</td>
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<tr>
<td>2</td>
<td>Blockchain components and security methods (2h), secure platforms and tools (1h), and enterprise models (1h)</td>
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<tr>
<td>3</td>
<td>Business activities &amp; processes and (2h) and innovation management using information systems (2h)</td>
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<tr>
<td>4</td>
<td>Blockchain components and relevant frameworks (2h), business transformation (1h), and blockchain-enabled supply chain processes (1h)</td>
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<tr>
<td>5</td>
<td>Supply chain processes (2h) and information systems (2h)</td>
</tr>
<tr>
<td>6</td>
<td>Blockchain components and systems development (1h), platforms (1h), and programming models (2h)</td>
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### Vilnius University
Publications of the Project-Blocknet.eu

https://www.knf.vu.lt/en/blocknet#publications


Domain-specific competence model for Blockchain implementations

Open.eStudies.VU.lt
7 COURSES ON BLOCKCHAIN
Open.eStudies.VU.It
COURSES ON BLOCKCHAIN

5. BLOCKCHAIN FOR BUSINESS
This course is offered as part of the BlockNet (Blockchain Network Online Education for Interdisciplinary European... READ MORE

4. BLOCKCHAIN FOR ENTERPRISE IT SECURITY
This course is offered as part of the BlockNet (Blockchain Network Online Education for Interdisciplinary European... READ MORE

3. BLOCKCHAIN FOR LOGISTICS AND SUPPLY
This course is offered as part of the BlockNet (Blockchain Network Online Education for... READ MORE

Vilnius University
BlockNet-Project-People-Years

The kick-off meeting in Kaunas, 2018
BlockNet-Project-People-Years

Meeting in Tartu in 2019
Meeting in Dortmund in 2019
Blockchain in economics, finance and management

Thank you for staying awake!

Prof. Vladislav V. Fomin

Visit us at Project-blocknet.eu