

TRANSITION Project Blockchain Entrepreneurial Kit



Funded by the
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TRANSITION – Project Reference: 2019-1-MT01-KA202-051255. This project is funded by the European Union ERASMUS+ Program – Key Action 2 Cooperation for innovation and the exchange of good practices.

What is **Blockchain**?



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Blockchain is a database based on a collection of entries, or blocks, linked between one another and protected by cryptography.

With blockchain, many people can enter information into records, and a community of users decides how the records are amended and updated.

Blockchain is based on a ledger-based technology, called **Distributed Ledger Technology**.



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What is a Distributed Ledger Technology?



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Distributed Ledger Technology (DLT) allows information to be shared among all users.

DLT is based on ledgers.

A **ledger** is a permanent record of all entries and transactions.

It shows the current balance as well as historical values.



Key features of Blockchain Technology



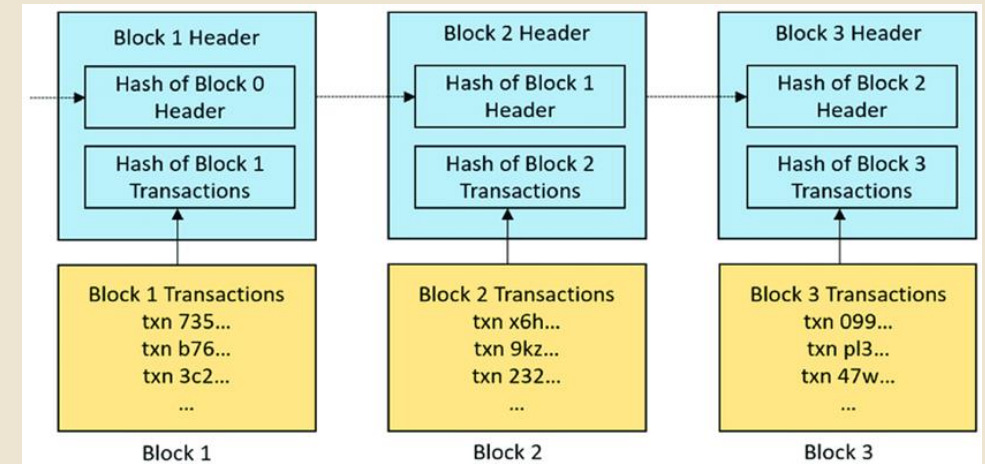
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Key features of Blockchain Technology pt 1

Blockchain is a type of DLT, that has the following features:

1. Data is stored in blocks;
2. Each block has a unique “fingerprint” called hash;
3. Blockchain can be applied to many industries;



¹From: "Blockchain Technology in Healthcare: A Systematic Review" by 2019 C. Agbo, Q. H. Mahmoud, J. M. Eklund



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Key features of Blockchain Technology pt 2

Blockchain is a type of DLT, that has the following characteristics:

4. Data and transactions are encrypted;
5. The database is made out of many users that collectively ensure the survival of the network (peer to peer network).



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Who uses blockchain?



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Blockchain is currently used in many different sectors. The applications of the technology are countless, but they all have the following in common:

- 1 Blockchain cuts out intermediaries, thus cutting costs;
- 2 Blockchain is a System of Records at the same time ;
- 3 The System of Records is a untamperable and real time database;
- 4 Blockchain can certify identity.



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Examples

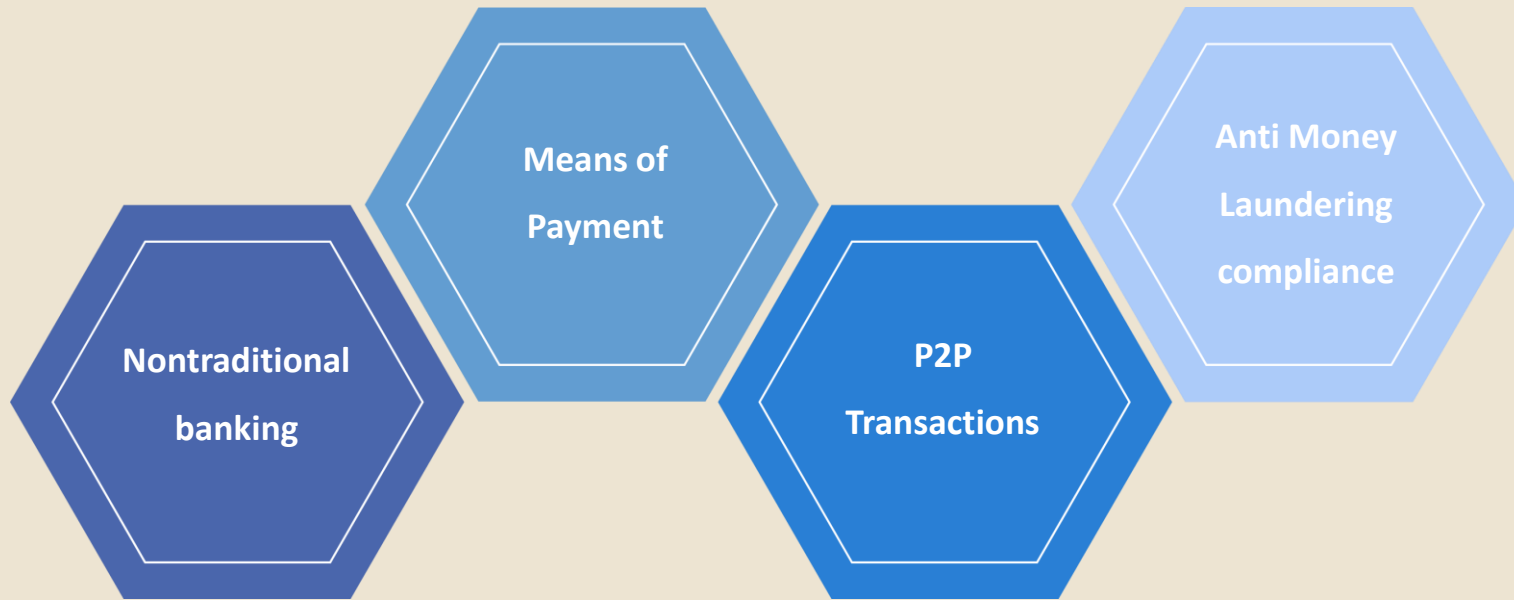


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Blockchain in Finance

Blockchain is used in finance to develop:



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Blockchain in Politics

Blockchain is used in politics to ensure:



Secure and certified electoral system;



Transparency in voting and democratic process.

Blockchain in Healthcare

Blockchain is used in politics to ensure:



Research



Better health insurance services



Secure and always up to date personal files for medical records



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Next Modules



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TRANSITION Blockchain Entrepreneur Kit encourages startup coaches, entrepreneurial trainers, and prospective and current entrepreneurs to learn how blockchain technology is used and how they could use it to improve or reshape completely their business model.

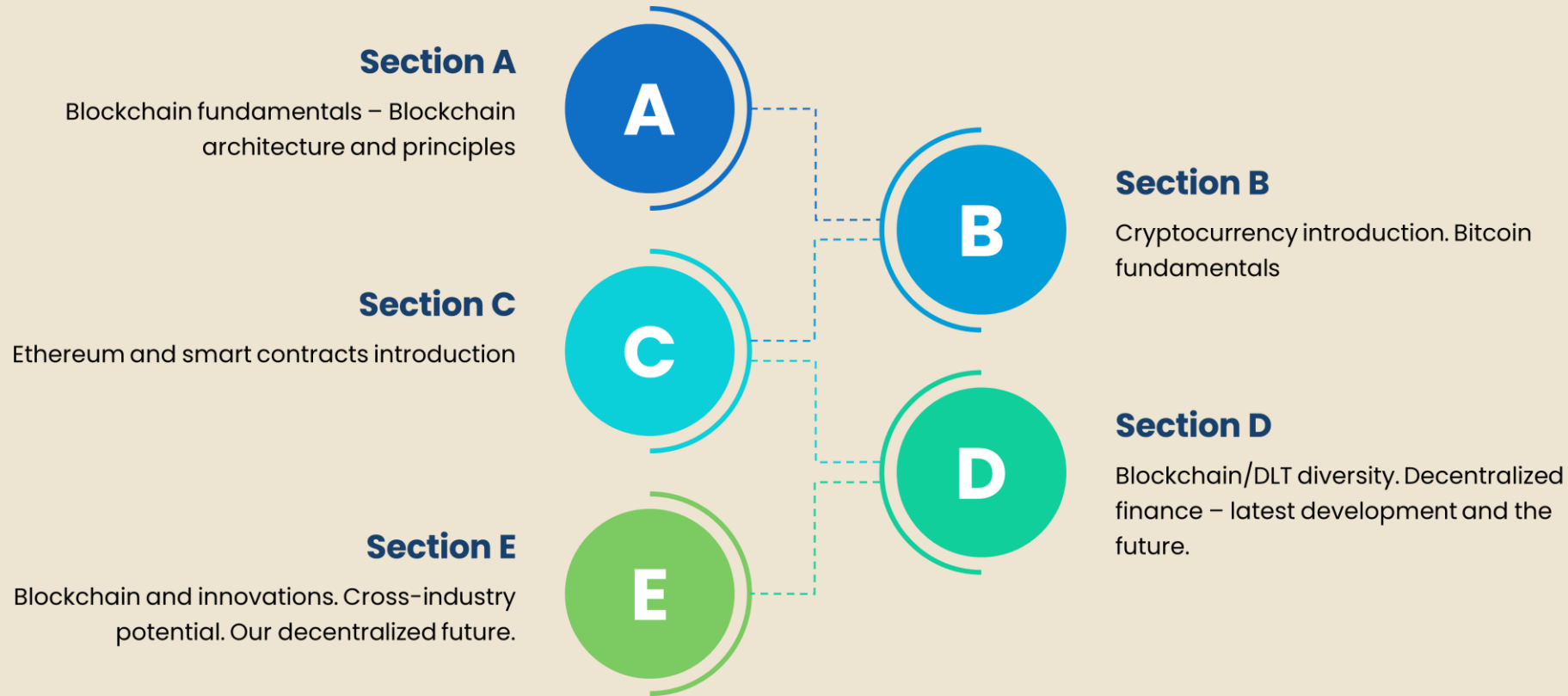
The Kit is composed of Five Modules



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TRANSITION Entrepreneur Kit Modules



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Thank you



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