BLOCKCHAIN
ri Lanka

Lanka's Peak Blockchain Industry body

What we do

Blockchain Association of Sri Lanka encourages and advocates for the adoption of blockchain technology by industry and governments across Sri Lanka as a means to drive innovation in service delivery across all sectors of the economy.

Regular Meetup Groups

We organize online meet and encourage local face to face meeting for the members of our association of Sri Lanka

Community Hackathons

We encourage the sharing of knowledge and skill throughout Hackthons in Sri Lanka

Innovation challenges

Sri Lanka has a lot of brilliant mind,

we encourage the growth of those mind throughout Innovation challenges in Sri Lanka

Social media content

You want to keep updated, we are also on social media recruiting new like minded individuals and sharing knowledge for all.
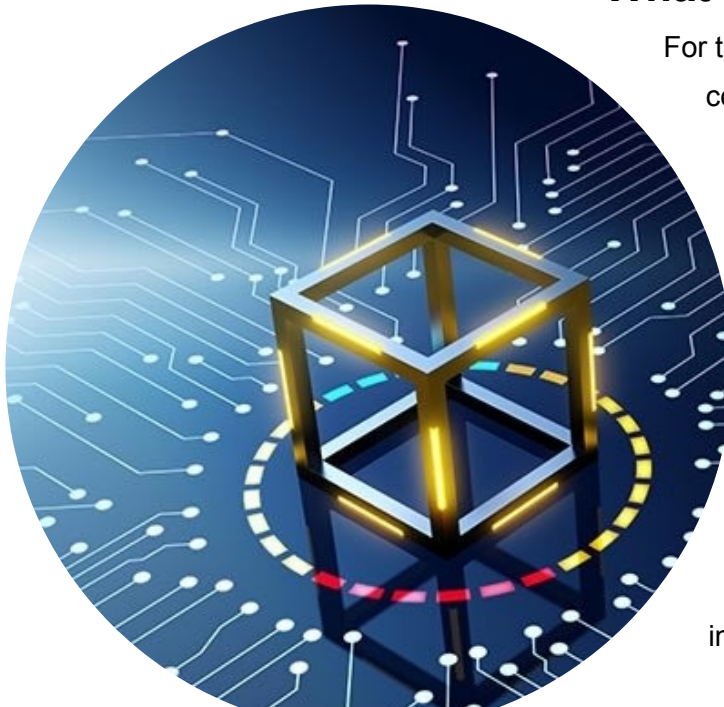
Online newsletters

We produce online news letters to share the knowledge of blockchain and create interest in the mind of our future and actual members.

Training programs

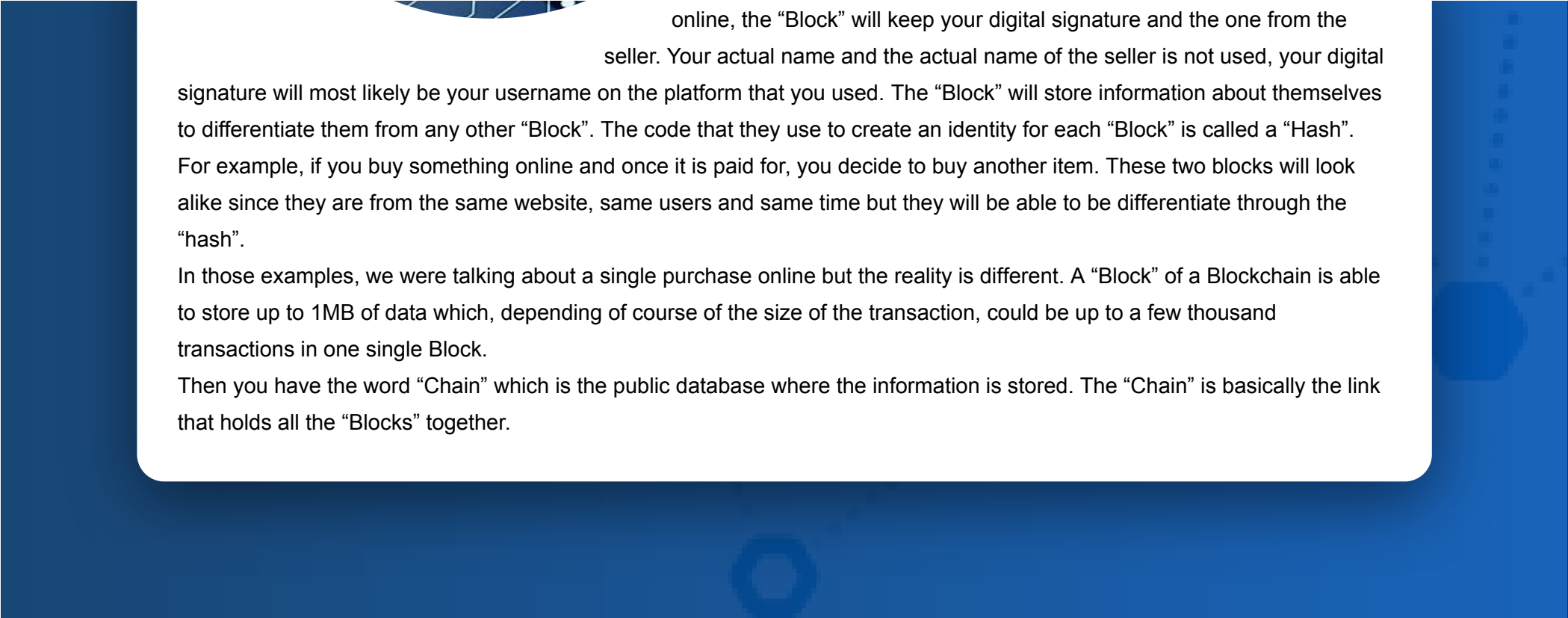We know that on one is born with knowledge blockchain and we are

more than happy to help build the next generation of blockchain experts!

What is Blockchain ?

For those who are new to the blockchain world, it might seem like a complicated thing but it can be simplified. The explanation of what is blockchain is literally in the word blockchain. You have the word "Block" which is standing for the digital information or the "Block". The "Block" of the Blockchain are digital piece of information that are usually divided in 3 distinct parts: In the "Blocks", you can find information on transactions like for example the Day, the amount paid and the time of that transaction. For example, if you buy something online on some platforms, the block will keep all the information on that transaction to be used in the future.

The "Block" will keep information about the two parties (or more) involved in the transaction. For example, if you buy something
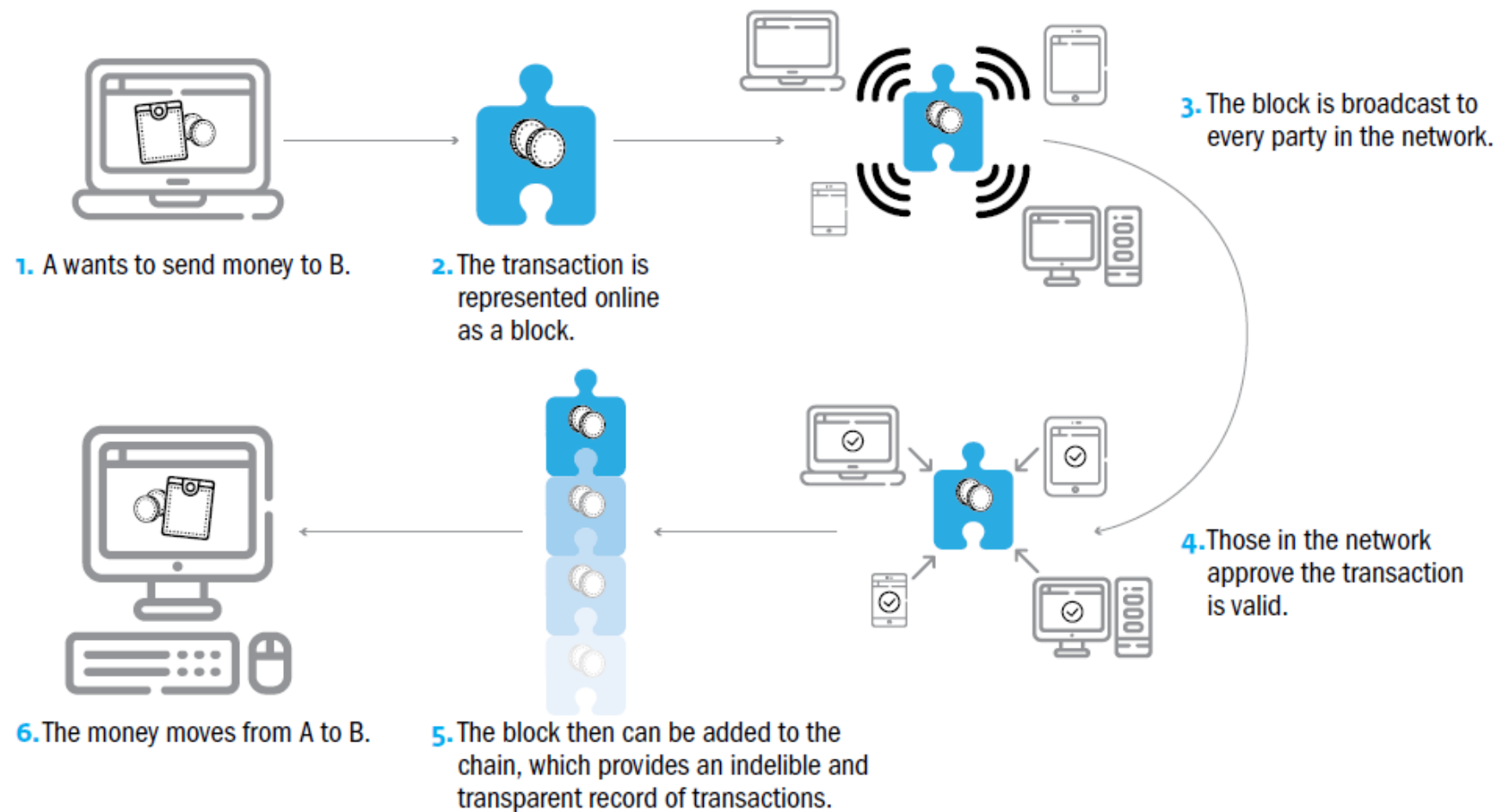
online, the "Block" will keep your digital signature and the one from the seller. Your actual name and the actual name of the seller is not used, your digital signature will most likely be your username on the platform that you used. The "Block" will store information about themselves to differentiate them from any other "Block". The code that they use to create an identity for each "Block" is called a "Hash". For example, if you buy something online and once it is paid for, you decide to buy another item. These two blocks will look alike since they are from the same website, same users and same time but they will be able to be differentiate through the "hash".

In those examples, we were talking about a single purchase online but the reality is different. A "Block" of a Blockchain is able to store up to 1MB of data which, depending of course of the size of the transaction, could be up to a few thousand transactions in one single Block.

Then you have the word "Chain" which is the public database where the information is stored. The "Chain" is basically the link that holds all the "Blocks" together.

How Blockchain work

1. A wants to send money to B.

2. The transaction is represented online as a block.

3. The block is broadcast to every party in the network.

4. Those in the network approve the transaction is valid.

5. The block then can be added to the chain, which provides an indelible and transparent record of transactions.

6. The money moves from A to B.

SOURCE:Blockchain world bank document-2020

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