AI supported Corporate Governance

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Table of Contents

Blockchain based Artificial Intelligence

- immutable availability

- integrity by design

- resistance to
  data manipulation

advantages

- cost-efficient downloads

- permanent storage

- data transparency

our functional example at

AI GENERATION
Powered by
IBM **Watson**

- we presented a digital banker
- processing blockchain transactions
- communicating in natural language
- recognizing emotional state

- **Industrial Award** of Hungarian Export Promotion Agency

- **National Special Award** from iLex Systems & IBM
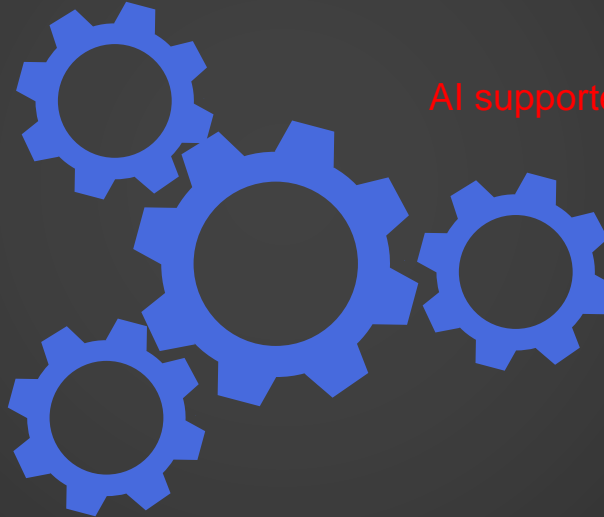
Practical support for strategic goals

operational excellence criteria:

- effectivity
- efficiency
- compliance
- reliability
- risk management excellence
- functionality
- order
- provenance

AI contributes to these excellence criteria
excellence criteria contribute to the strategic goals

AI supported Corporate Governance

asset handling excellence criteria:

- availability
- integrity
- confidentiality

Blockchain Programming & Education

Our Blockchain Programming subject at Óbuda University

- the basics of corporate governance the blockchain programming will be illustrated step-by-step

- the students will establish a Strategic & Competitive Intelligence Center

  - where they can submit information by blockchain transactions in a hidden way

    - using their public / private key

    - instead of publishing their name

Our experiences in blockchain & Merkle tree

	Blockchain	Merkle tree	Blockchain + Merkle tree
Benefits to secure AI	· *Resistance to data manipulation* · *Fast integrity checks*	· *Fast integrity checks* · *Fast locations*	· *Fast integrity checks* · *Fast locations* · *Resistance to data manipulation*

K. Szenes, B. Tureczki: „Supporting corporate governance on blockchain basis"
to appear in the proceedings of
2nd International Conference on Central European Critical Infrastructure Protection
organized by: Bánki Donát Faculty of Mechanical and Safety Engineering, Óbuda University
November 16-17, 2020. Budapest, Hungary

K. Szenes, B. Tureczki: "Blockchain basics, applications", workshop
presentation & article, "Blockchain and deep learning workshop",
Institute for Computer Science and Control
September 5, 2019. H-1111 Budapest, XI. dist., Kende street 13-17, Hungary
download article:
https://nextcloud.sztaki.hu/s/ya4LRkz75Kmj4og#pdfviewer
download presentation:
https://www.slideshare.net/secret/IgHgKBIQ4w5ePj

Useful materials

Thank you for the attention!

Questions?