

# Preparing CAs who are fit for purpose in the 4IR

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UNIVERSITEIT VAN PRETORIA  
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Faculty of Economic and  
Management Sciences

Fakulteit Ekonomiese en Bestuurswetenskappe  
Lefapha la Disaense tša Ekonomi le Taolo

100  
1920 - 2020  
*Advance*



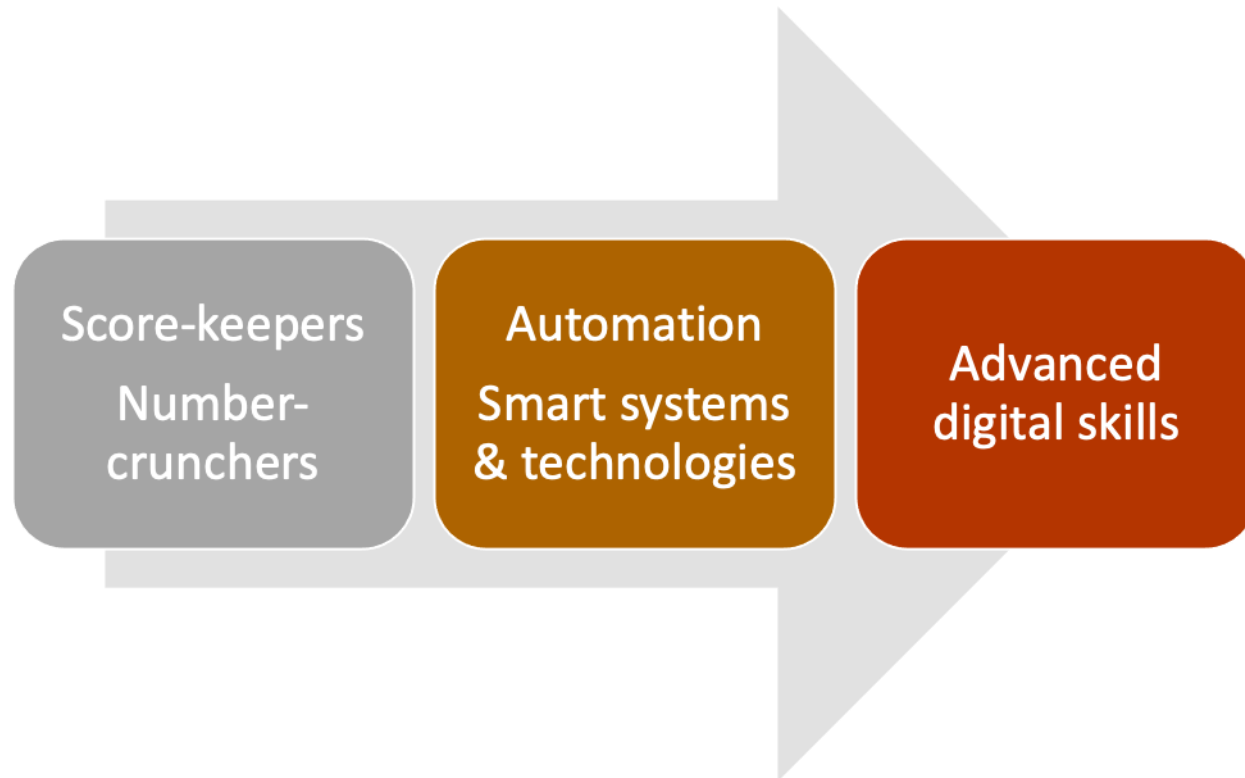
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# Will future CAs be useful?

Trajectory



Outcome

Integrated  
consultative  
function



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# Contribution

## Practical value

Professional  
bodies,  
SAICA  
CA2025

Regulators,  
IRBA

Educators,  
accredited  
universities

Auditors &  
audit firms

Business



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# Research question?

**What are the digital skills that CAs need to remain fit for purpose in an 'Industry 4.0' world?**



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# Literature study

## Competence

Currency

Frameworks

## Digitalization

Big data

Data science

Cyber security

Visualisation

## Business intelligence

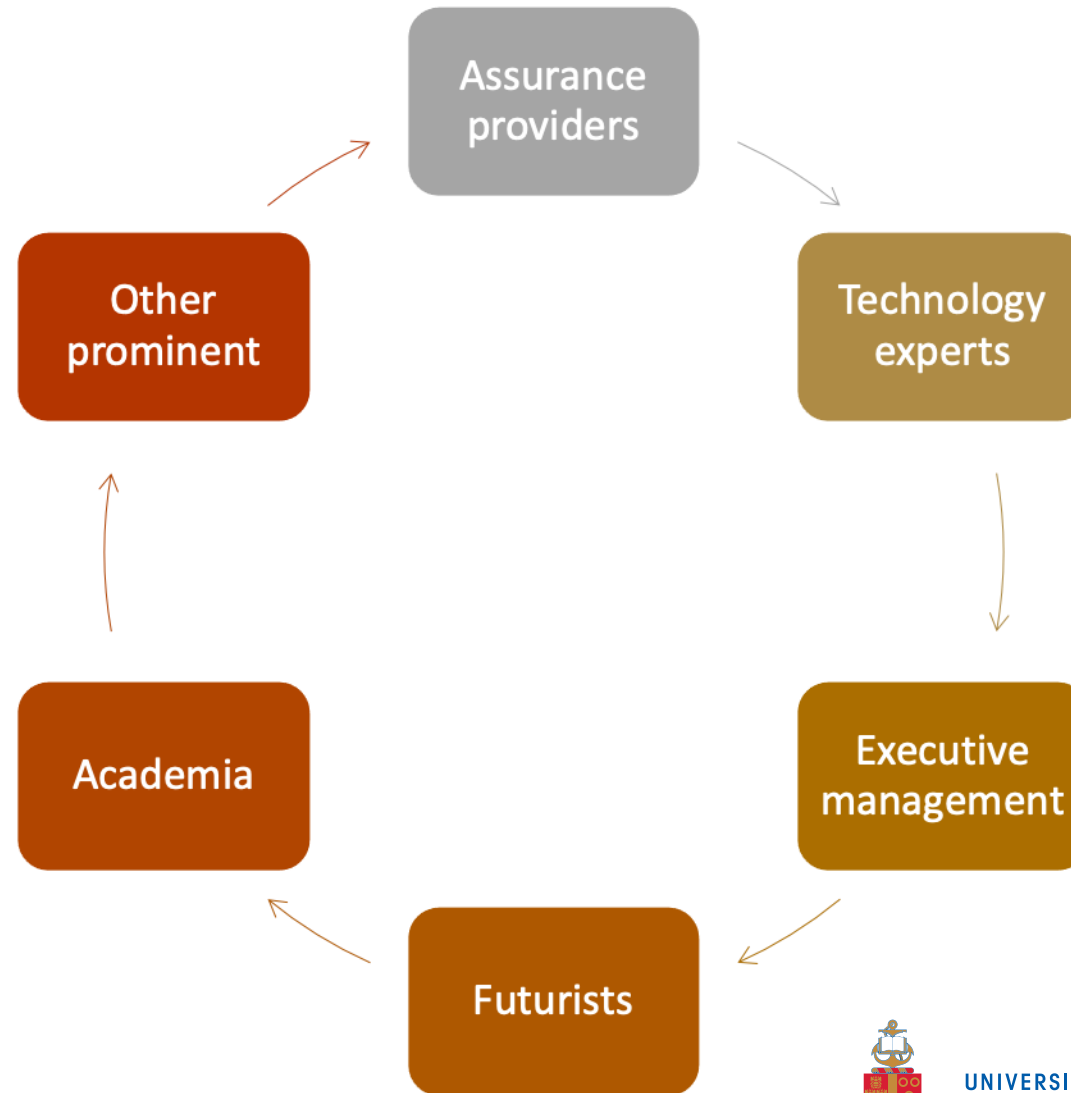
Robotic process automation (RPA)

Artificial intelligence

Blockchain



# Qualitative approach = 44 interviews



# Data analysis

## Atlas.ti qualitative data analysis software

Role of CAs -  
changing  
business  
environment

Technologies -  
impacting  
work of CAs

Digital skills for  
CAs

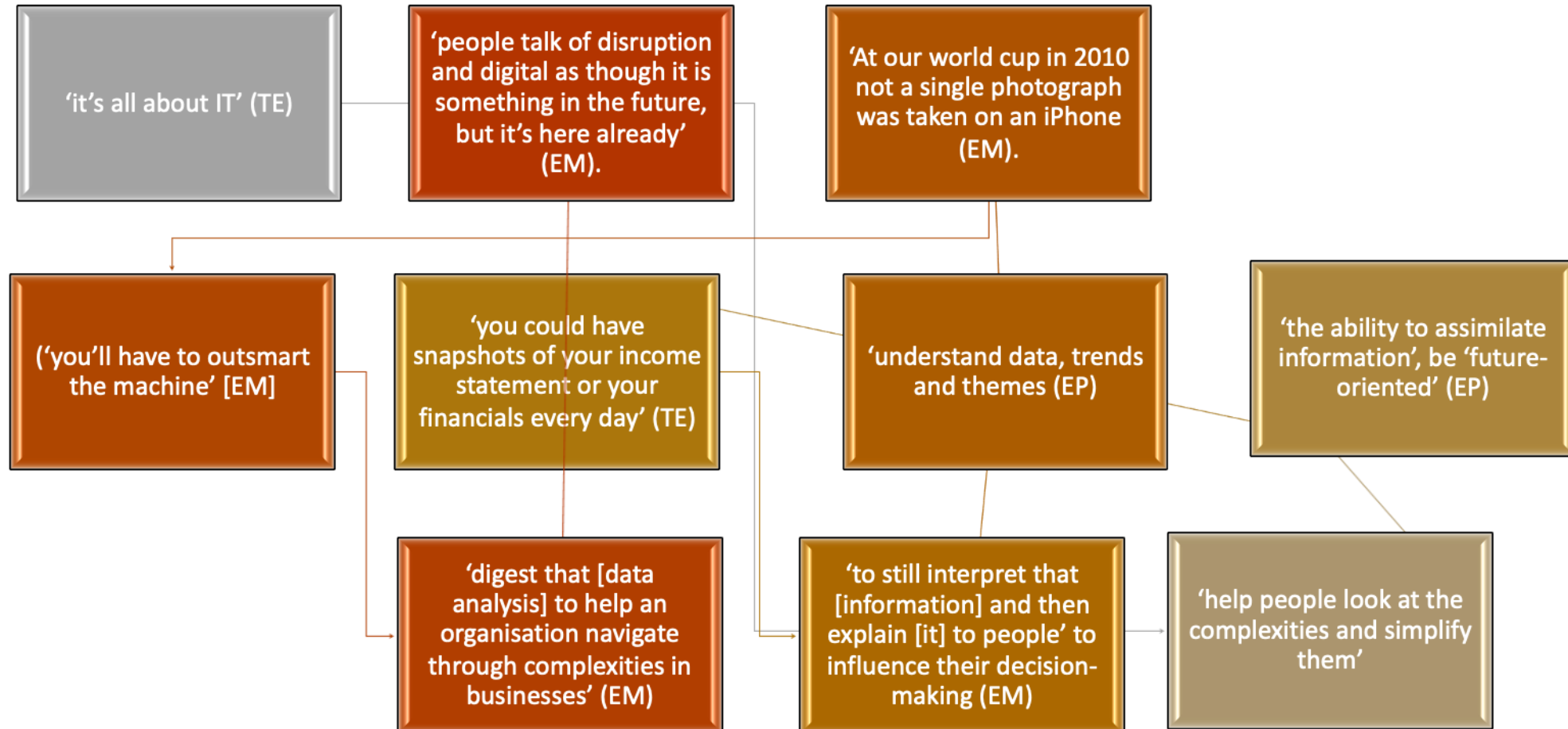


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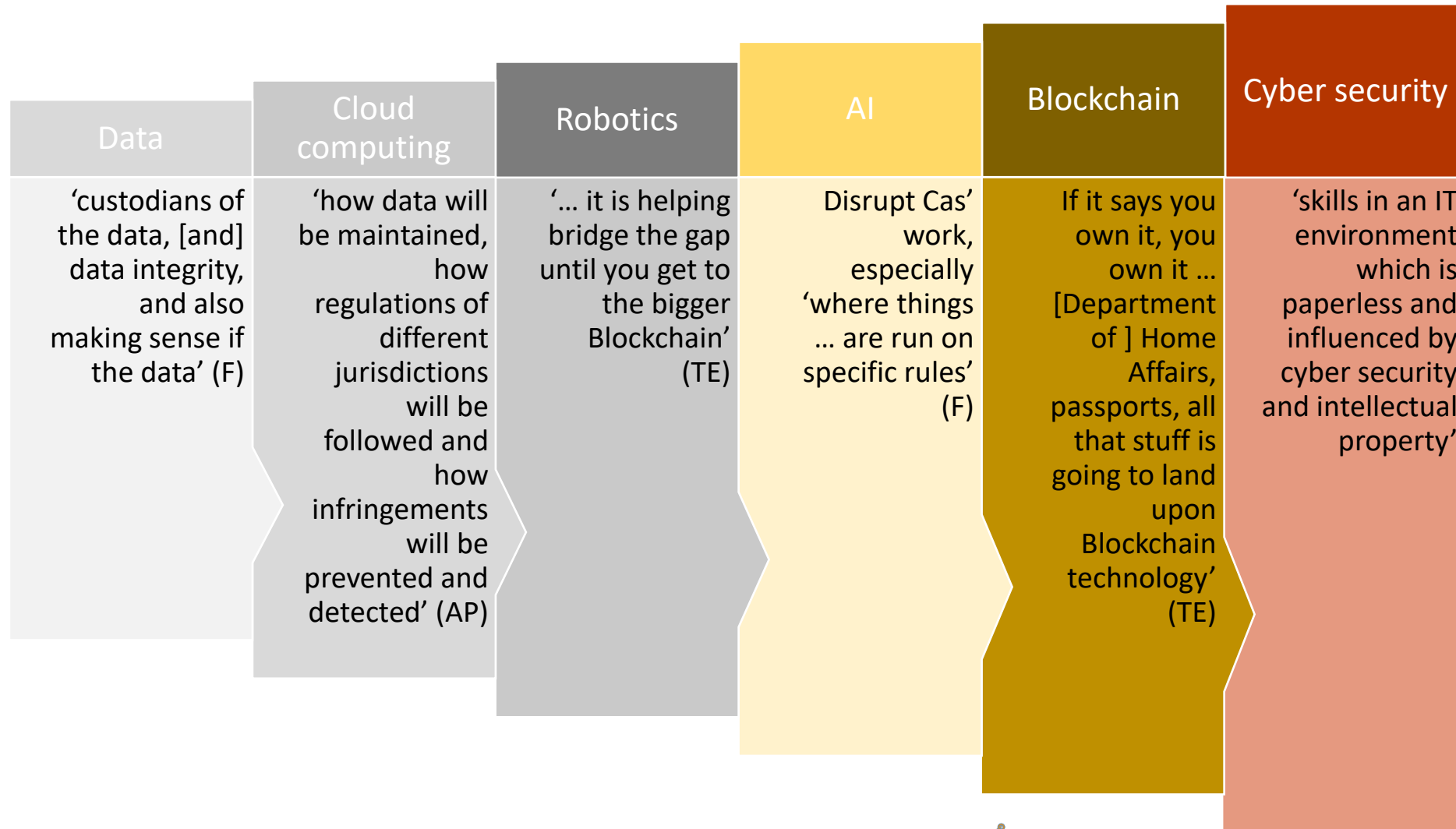
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# Role of CAs - changing business environment





# Technologies - impacting work of CAs



# Skills

## Dealing with data

- Analysis
- Interpretation
- Visualisation
- Computational thinking

## More advanced skills

- Modelling
- Coding

## Technologies

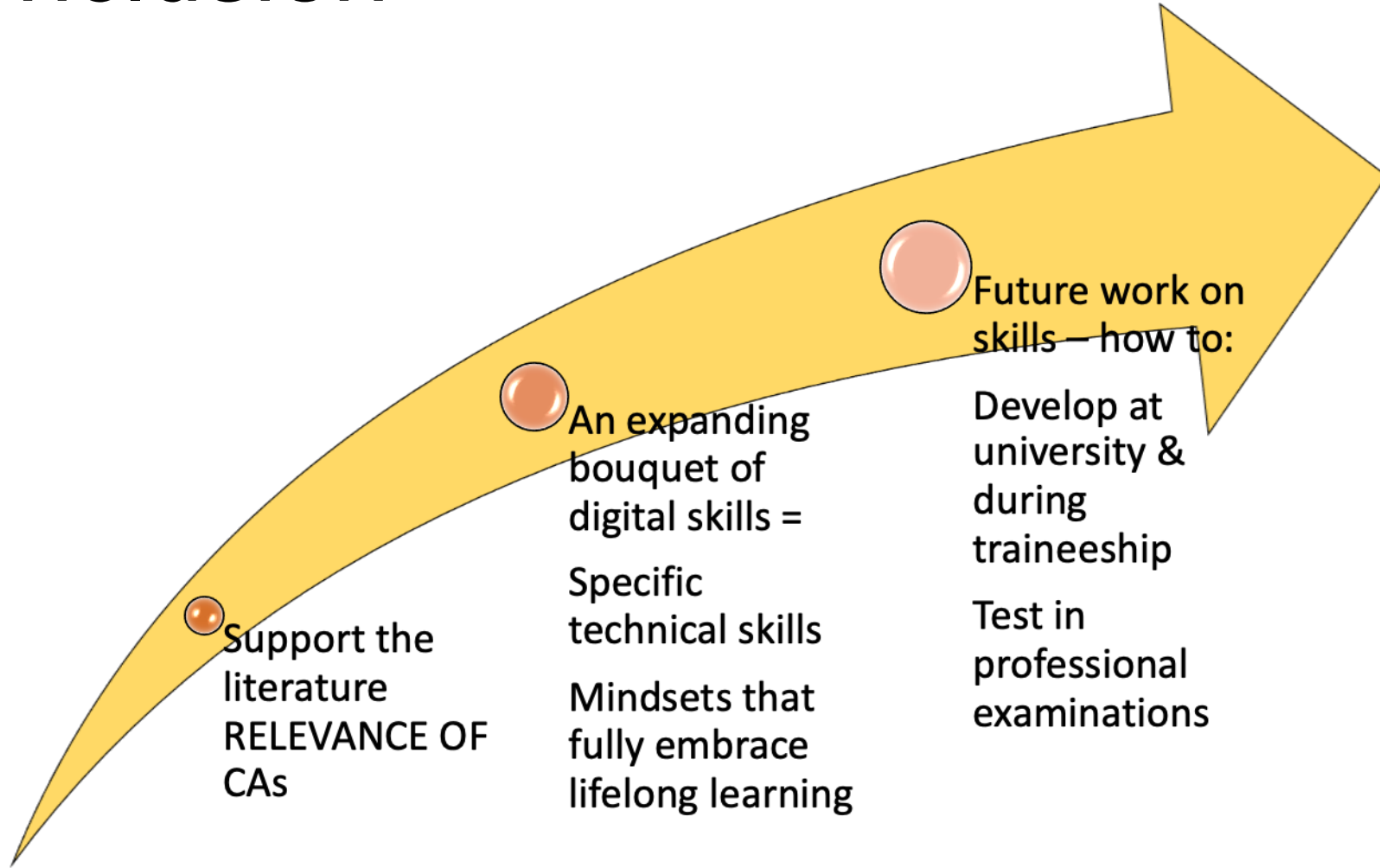
- Cloud computing
- Robotics
- AI
- Blockchain

## Digital mindset

- Think differently
- Lifelong learning



# Conclusion



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