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Advancing Lifelong Learning through Technology-Enhanced Higher Education

A Comparative Study of Japan, South Korea, and India

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Research objective

Examine how Japan, South Korea and India use technology-enhanced higher education to support lifelong learning.

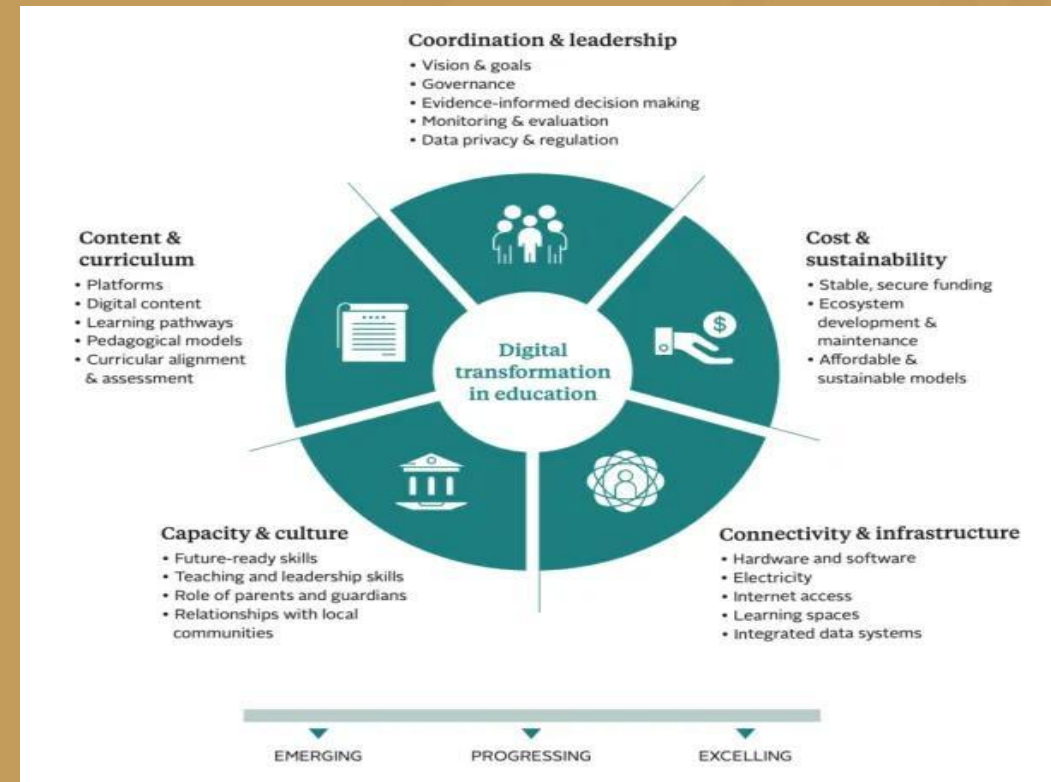
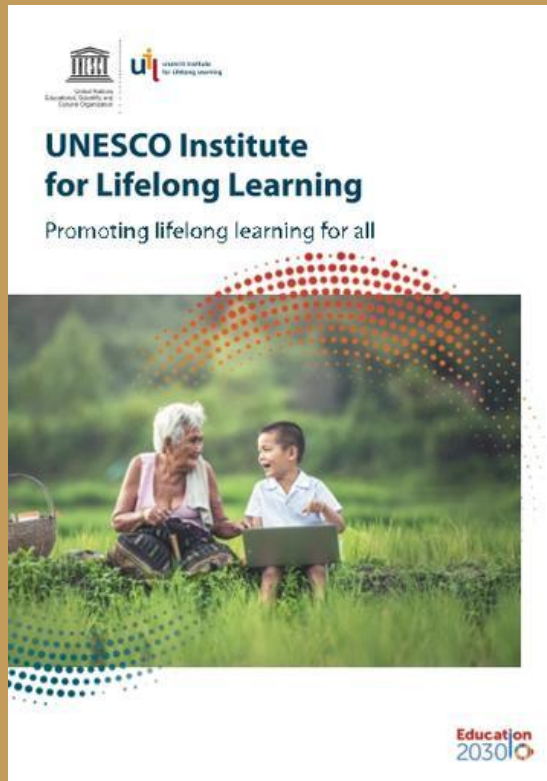




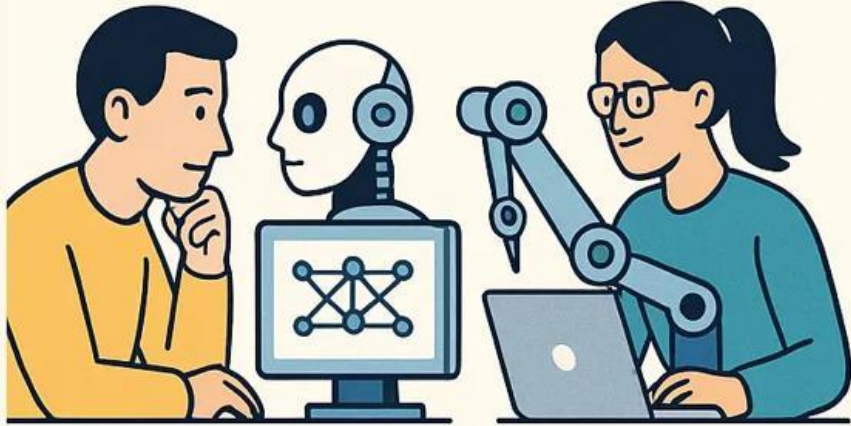
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Lifelong Learning no longer an option, but a necessity



FUTURE JOB CATEGORIES



AI SPECIALIST

ROBOTICS ENGINEER



DATA SCIENTIST



**BLOCKCHAIN
DEVELOPER**



**BIOINFORMATICS
ANALYST**



**CYBERSECURITY
ANALYST**



REMOTE SURGEON



**VIRTUAL REALITY
DESIGNER**



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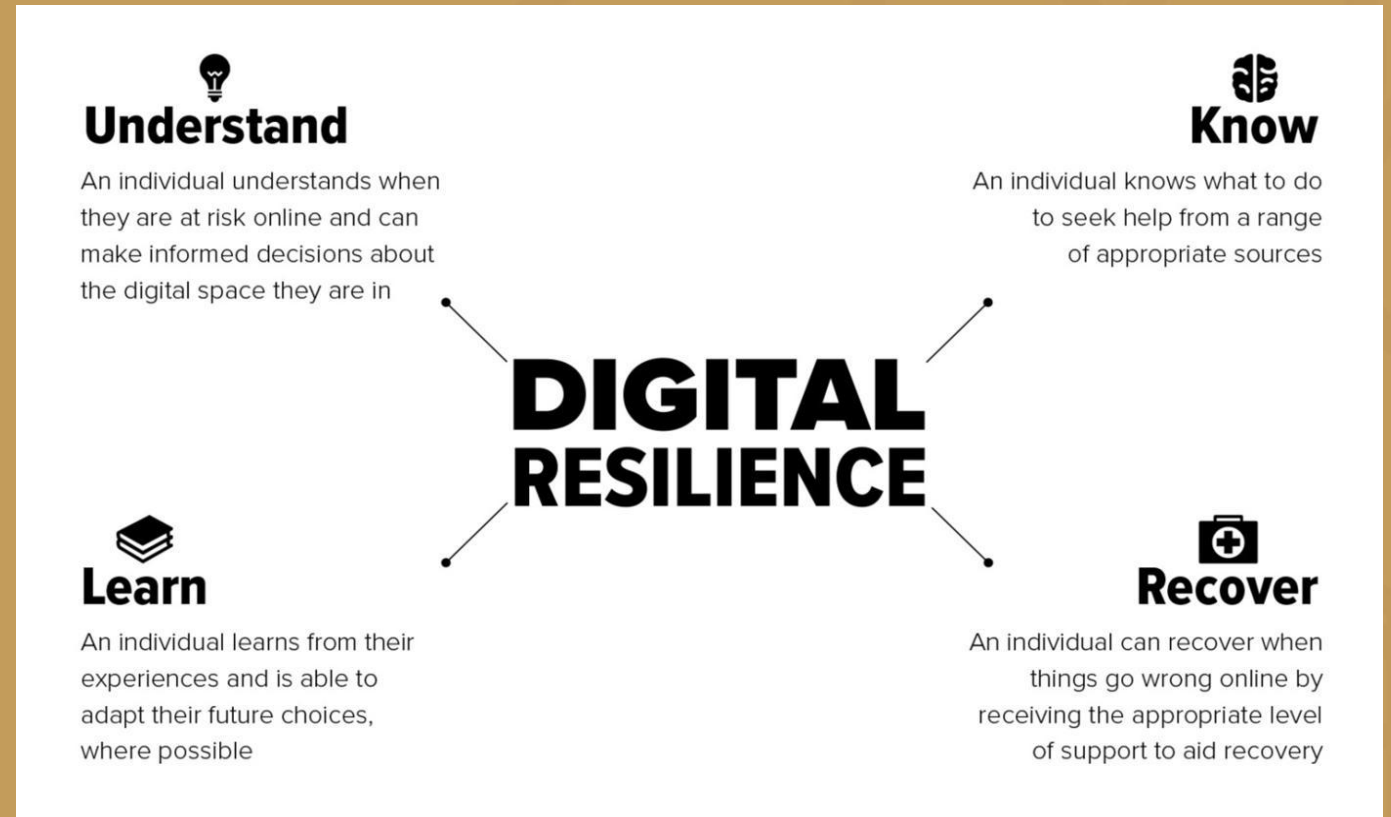
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Digital resilience

Adaptation, handle technological changes

Continous development
of digital competencies

Covid-19
online education
innovation

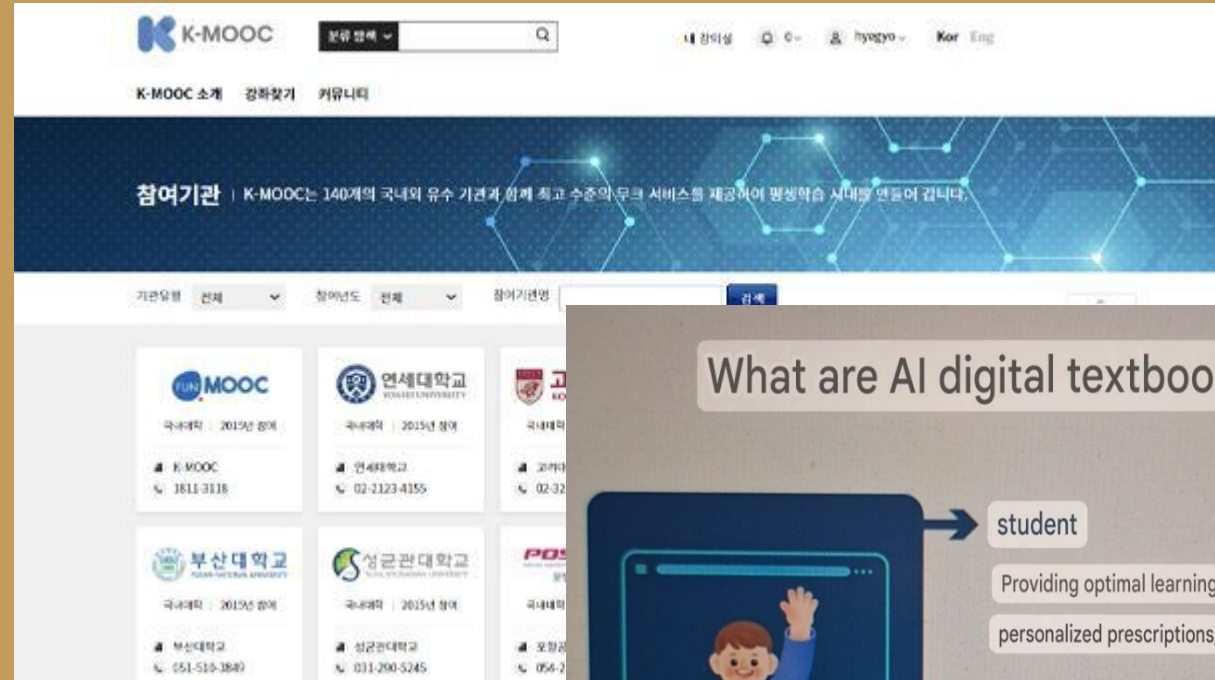




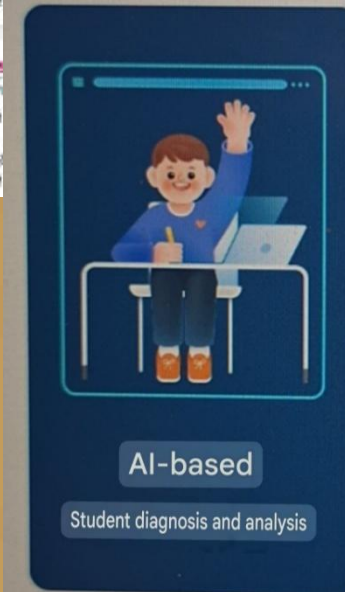
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South Korea: Digital Higher Education

- K-MOOC platform
- AI-tutor, supported learning analytics
- Personalized learning
- Government support



What are AI digital textbooks?



student

Providing optimal learning paths,
personalized prescriptions, and support

parents

Provides information necessary for guiding children,
such as academic achievement and subject interest status.

schoolmaster

Providing individualized support requirements for students,
such as academic participation levels by class and student

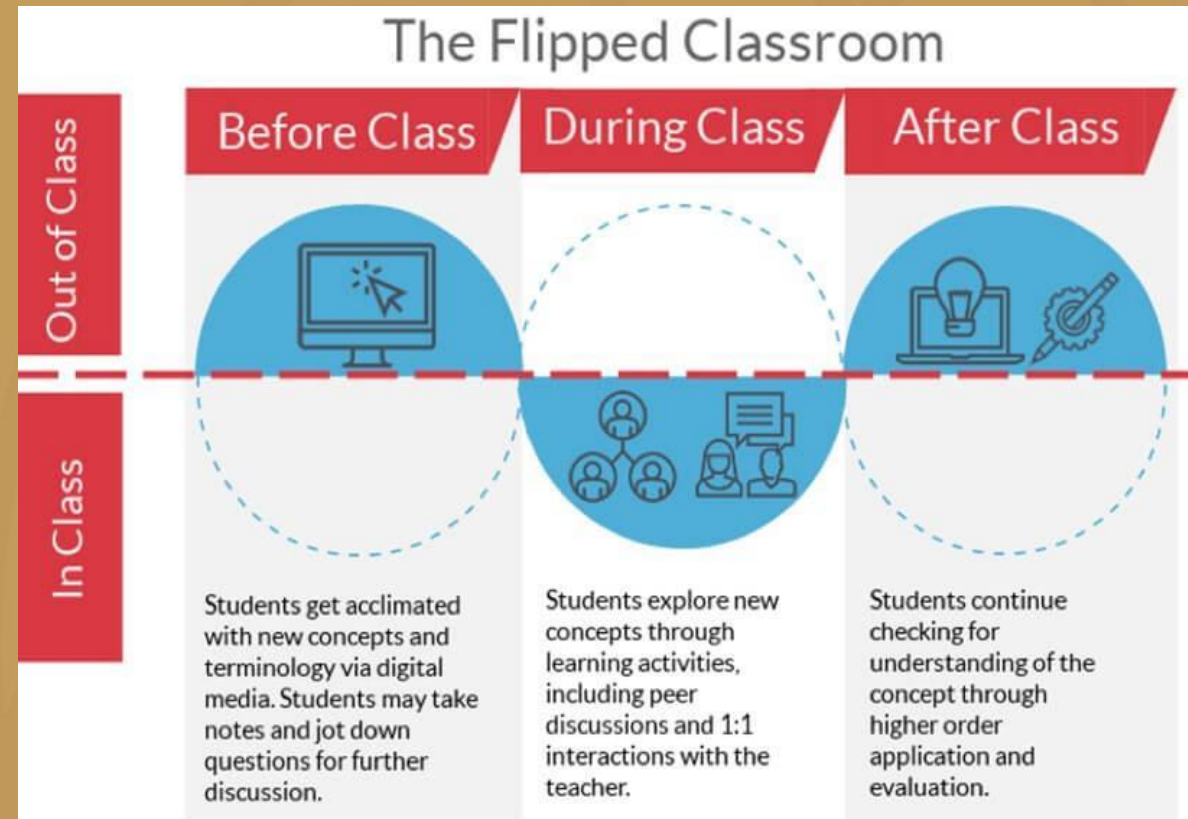


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South Korean Innovations

- Lifelong learning centers
- Virtual learning environments
- Flipped classrooms
- Flexible access to education

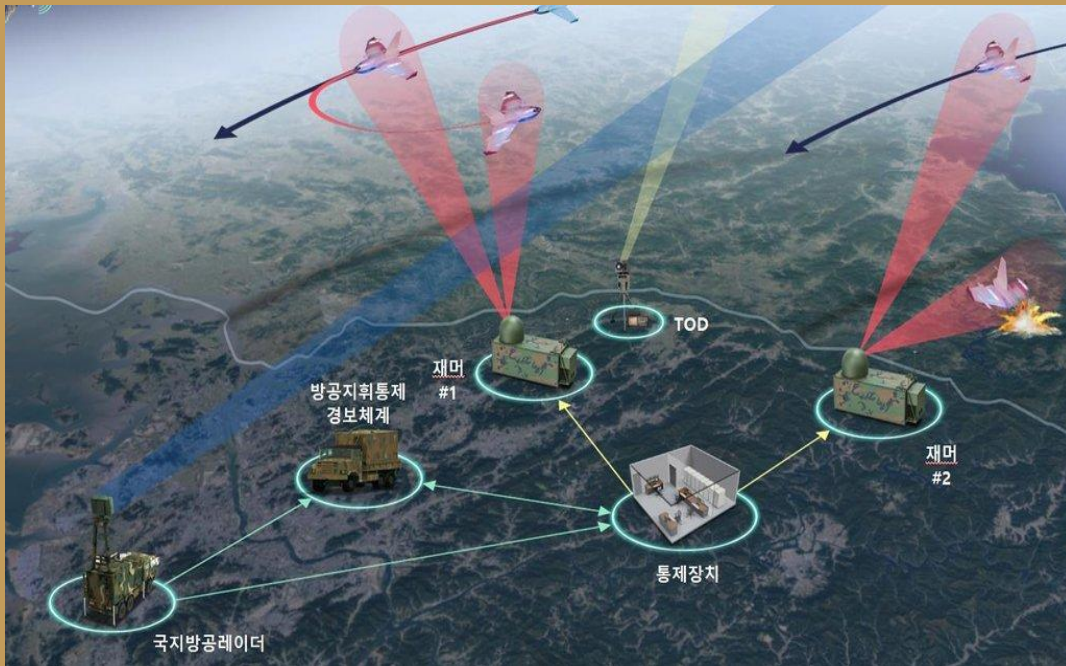




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Drone → AI → Detection → Tracking
→ Protection

Drone-Cop



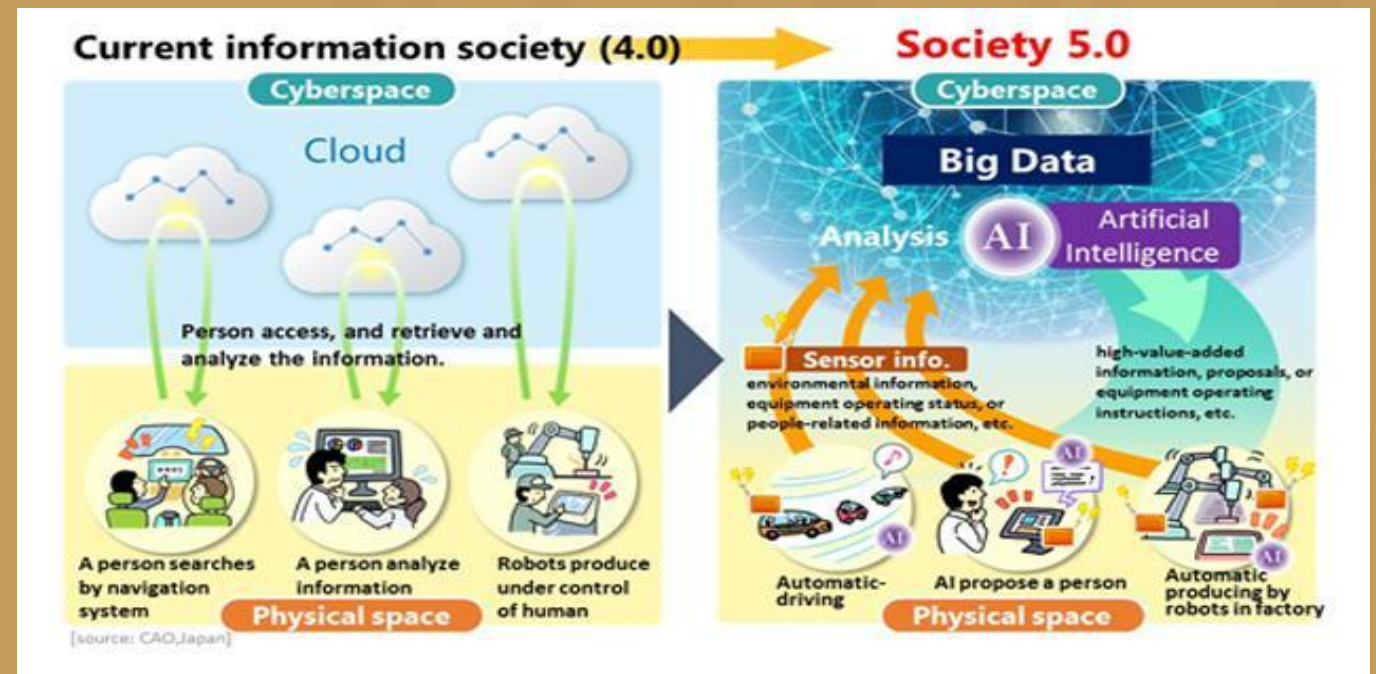


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Japan: Society 5.0

- Human-centered digital transformation
- AI-supported education
- Micro-credentials
- Smart cities
- Autonomous vehicles





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Japan: Key Lessons

- Continuous upskilling
- Flexible learning pathways
- Digital resilience
- Lifelong competence development
- University–industry cooperation supports innovation and workforce development





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India

India offers an important perspective focused on accessibility, flexibility and large-scale inclusion.

(Online presentation by Professor Verma)

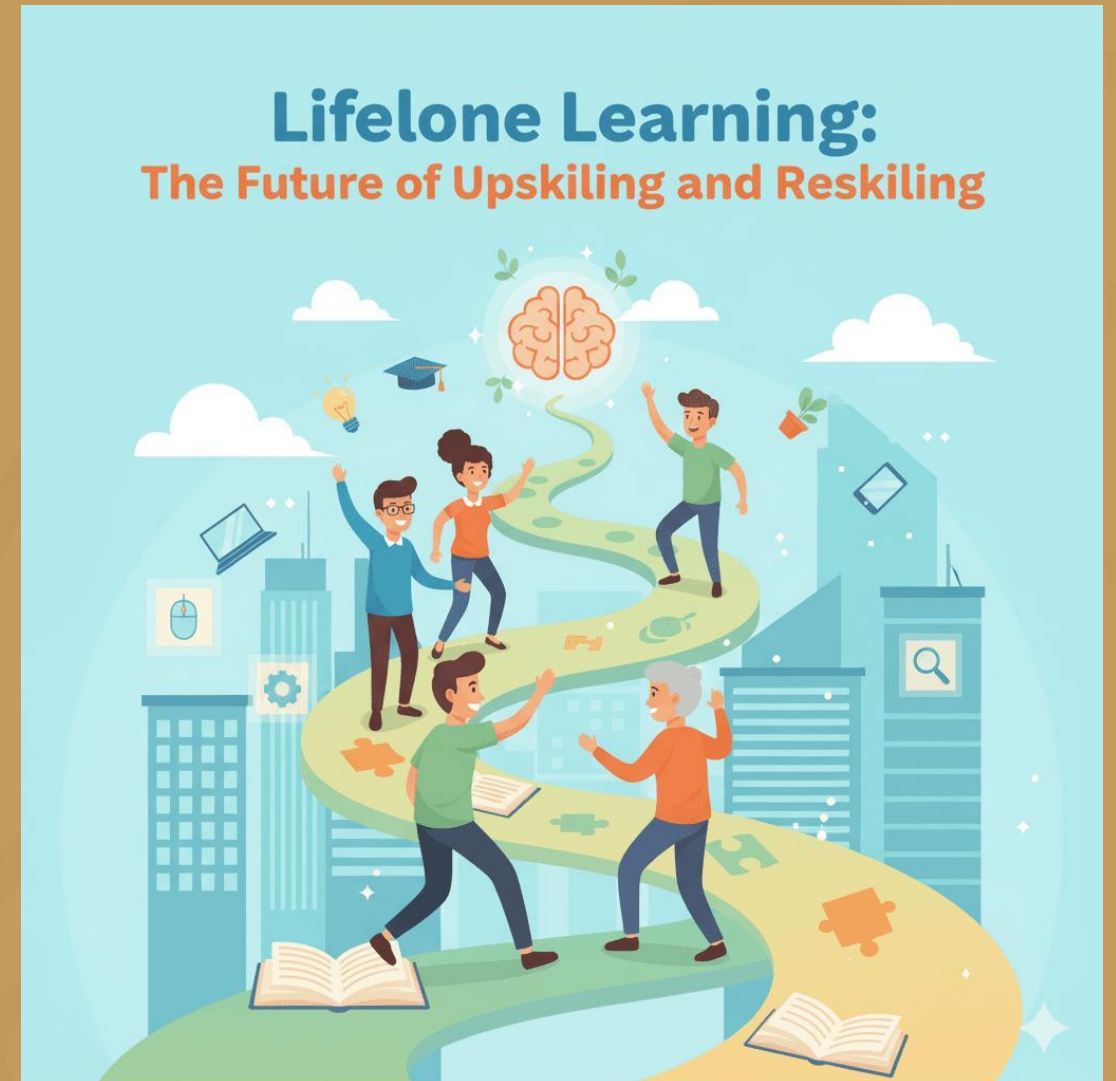


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Comparative Findings

- Lifelong learning as a strategic priority
- Digital competence development
- Flexible learning pathways
- University–industry cooperation





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Conclusion

Artificial intelligence alone does not constitute educational innovation

Technology must support lifelong learning, flexibility and digital competence development





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**Thank you for your kind
attention!**

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