

# Artificial Intelligence for Micro-credentialing & Learning

ACTE Conference

Future of Online Learning Quality - Best  
Practices in Artificial Intelligence and  
Competency-Based Credentialing

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# Description of Artificial Intelligence (AI)

- "The study and design of intelligent agents" where an intelligent agent is a system that perceives its environment and takes actions which maximizes its chances of success.
- Other names for the field have been proposed, such as computational intelligence, synthetic intelligence or computational rationality.

# Role of AI at post-secondary level

- Credential validation
- Content creation
- Addressing different learning styles
- Personalizing the learning experience
- Online assessments
- Shorten the learning process
- Enhancing employee training

## Role of AI at post-secondary level - continued

- Improving completion rates
- Accessibility for all learners
- AI-based digital tutors
- Creating digital training content
- Eliminating bias in AI
- Up-skilling employees with AI

# Description of Micro-credentials

- A micro-credential is a small, shareable, competency-based credential that recognizes and can be used to validate the acquisition of specialized, in-demand knowledge and skills.
- Micro-credentials are stackable, transferable, and verifiable.
- They provide students and employers with a versatile, cost-effective means of achieving performance standards and employment requirements across industry sectors and fields, including information technology, financial services

# Value of Micro-credential

- Quick and cost-effective way to obtain in-demand knowledge and skills
- Used by industry and employers to verify and meet employment qualifications, performance standards, and workplace shortages
- Collaboratively identify and develop training solutions that support the individual learner's needs and organizational objectives
- Secure, portable, digital, shareable assets - used by learners to promote their skills, employability, and career across industries and job markets
- Provide students with greater flexibility and incentive to upskill and reskill over a lifetime