Technology-Enabled Learning

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ATMC
ASEAN TRAINING MARKET
— CONFERENCE —

Empowering ASEAN's Training Supply:
Bridging Skills Gap, Innovation and Collaboration for a Future-Ready Economy

Tech is transforming how we teach and learn

Critical questions as we seize opportunities brought about by AI and Tech Advancement

1. How can tech help training institutions to **better operate, improve learner engagement and serve the diverse needs of learners?**

2. How will be future workforce be transformed by tech and how can training institutions **re-design training to equip learners to take on the future of work**?

Rapid acceleration of digitalization is changing the face of the workforce in every industry

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Virtual assistants giving learners personalized answers to commonly asked questions

Converts prospective learners into applicants through 24/7/365 automated, guided conversations

Analyze course forums to detect various patterns that affect students' performance

Leveraging AI for teaching: e.g., Generate practice quizzes, gain insights to learners' pace and understanding of topics...etc

Outcomes:
- Faster in addressing learners' questions and needs
- Improves satisfaction

Outcomes:
- Accepts suitable learners while saving staff time
- Improves learning experience

Outcomes:
- Improve course content
- Facilitate interaction between instructors and learners

Outcomes:
- Trainers spend time on priority tasks
- Learners' insights to guide teaching

5

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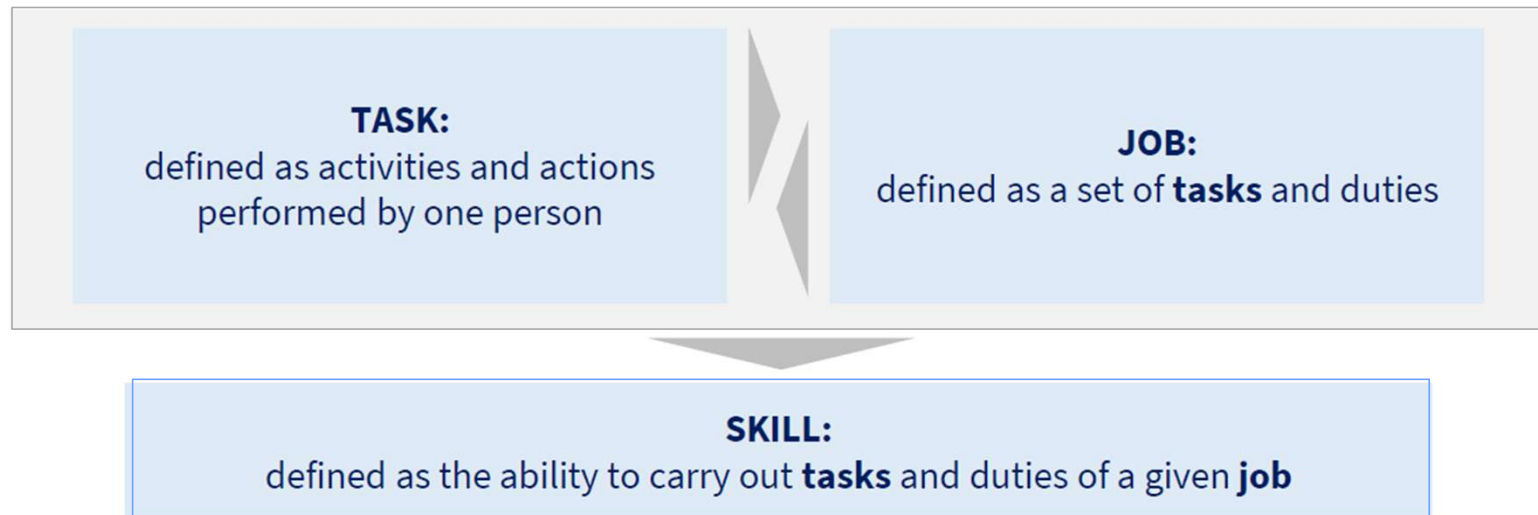
What type of job roles will benefit from AI and tech learning?

❑ Both Tech and Non-tech job roles will be augmented

❑ **Let's infuse Tech and AI into tasks**

Technology is likely to impact most jobs and selected tasks

The relation between tasks, jobs, skills and education

TASK:
defined as activities and actions performed by one person

JOB:
defined as a set of **tasks** and duties

SKILL:
defined as the ability to carry out **tasks** and duties of a given **job**

Field Marketing

Surgeons

Finance Analyst

Researchers

Scientist

Sales

Procurement

How can marketing teams stay up to date on public perceptions of its advertising? Enrich Facebook data to **extract keywords, entities, sentiment and tones**

Using **blockchain,** how can a group of non-profits work together to coordinate and supply goods to people in need?

Using satellite **data and machine learning** to predict the intensity of wildfires in order to determine where fire fighting assets should be staged

Who needs Tech training?

Everyone!
It's Learning
for Life

IBM SkillsBuild ↴

Power your future in tech with job skills, courses, and credentials – for free

IBM SkillsBuild

Modular and flexible AI courses in IBM SkillsBuild address varied needs for different profiles of learners

Tech-Savvy Learners
- Need to acquire knowledge of new technologies
- Need to upgrade their IT skills

Business-Savvy Learners
- Need to know how technology can help to improve efficiencies and grow their business

Artificial Intelligence Fundamentals — IBM SkillsBuild

Cybersecurity Fundamentals — IBM SkillsBuild

Project Management Fundamentals — IBM SkillsBuild

The Rise of Multiagent Systems — IBM SkillsBuild

Introduction to Retrieval-Augmented Generation — IBM SkillsBuild

Digital Literacy — IBM SkillsBuild

Working in a Digital World: Professional Skills — IBM SkillsBuild

Ethical Considerations for Generative AI — IBM SkillsBuild

Artificial Intelligence Fundamentals — IBM SkillsBuild

Information Technology Fundamentals — IBM SkillsBuild
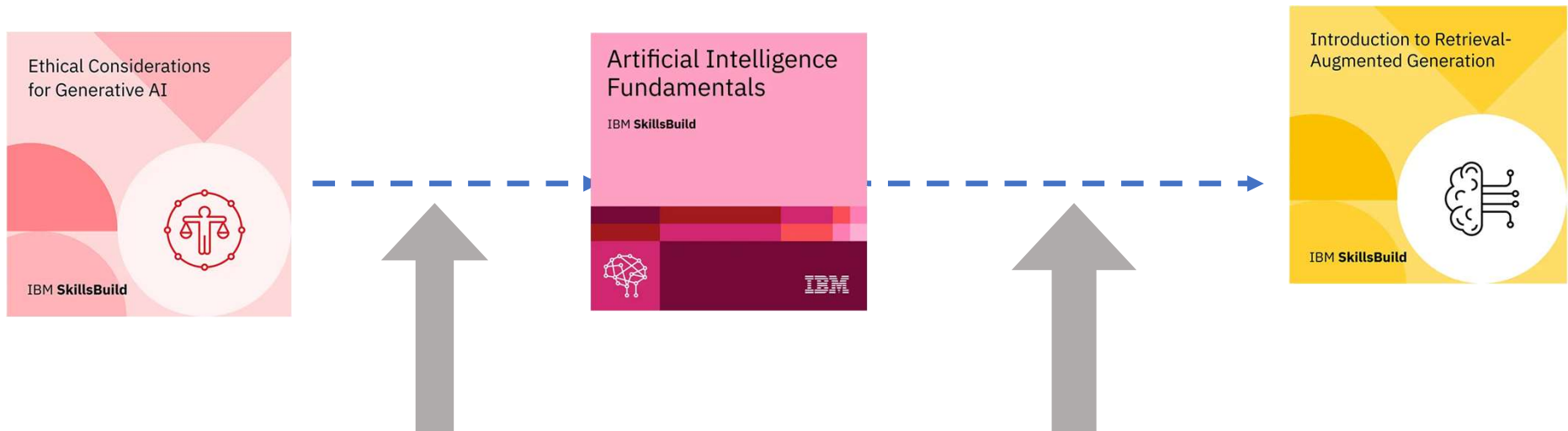
Customer Engagement Fundamentals — IBM SkillsBuild

Skills-based Credentials + Real-world applications

Leveraging IBM SkillsBuild courses as foundation for holistic & hybrid learning...keeping relevancy of curricula

In-between the progressive self pace courses, build a learning journey by offering

❑ Lectures or discussion forums on AI-related topics of interest to students

❑ Hands-on technical or design thinking workshops and

❑ a capstone project for students to demonstrate the application of technology

Machines provide scalability

- **Precision & repetition**
- **Memory & retrieval**
- **Multitasking**
- **Pattern recognition**
- **Objective decision making**
- **24/7 operations**

Humans bring capability

- **Empathy**
- **Ethics**
- **Creativity**
- **Innovation**
- **Complex decisions**
- **Appreciation of beauty**
- **...and much more**

Perfect Pairing

Tech Skills & Soft Skills

Let's make AI trustworthy

Let us put Tech to work