

Disruptive Technologies & The Challenge for TVET Systems

The Need for Skill Level Data

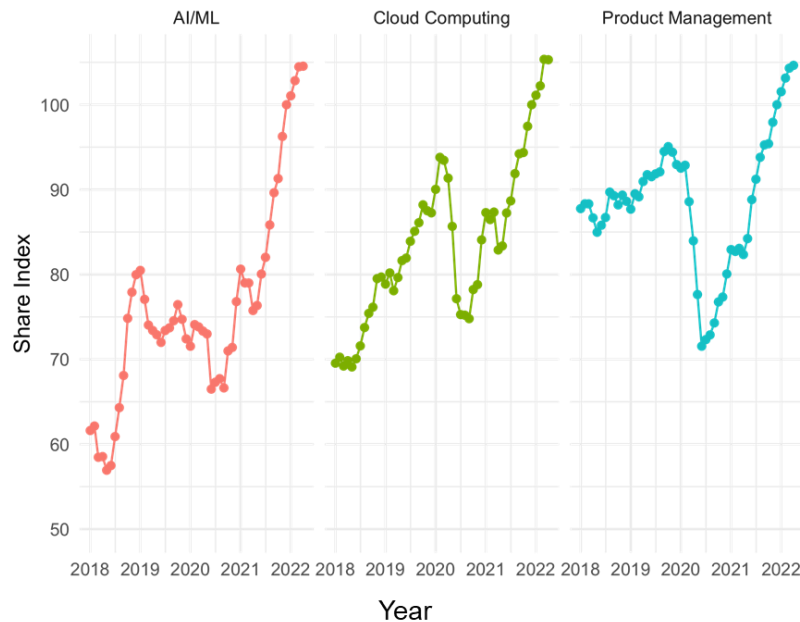
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UNESCO
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Worker Shortage or Skill Shortage?

37% of the skills of the average job have been replaced over the past five years. What does it take for TVET systems to keep up?

Skills of mass disruption: Dramatic growth in demand for emerging tech skills

SHARE OF POSTINGS MENTIONING SELECTED SKILLS



Note: Share index of "100" set at beginning of 2022 value

Source: Burning Glass Institute analysis of online jobs postings data, 2018-Present

Skills not jobs: Data science skills aren't just for data scientists

Occupations with at least 3K postings requiring data science / analytics/ mining

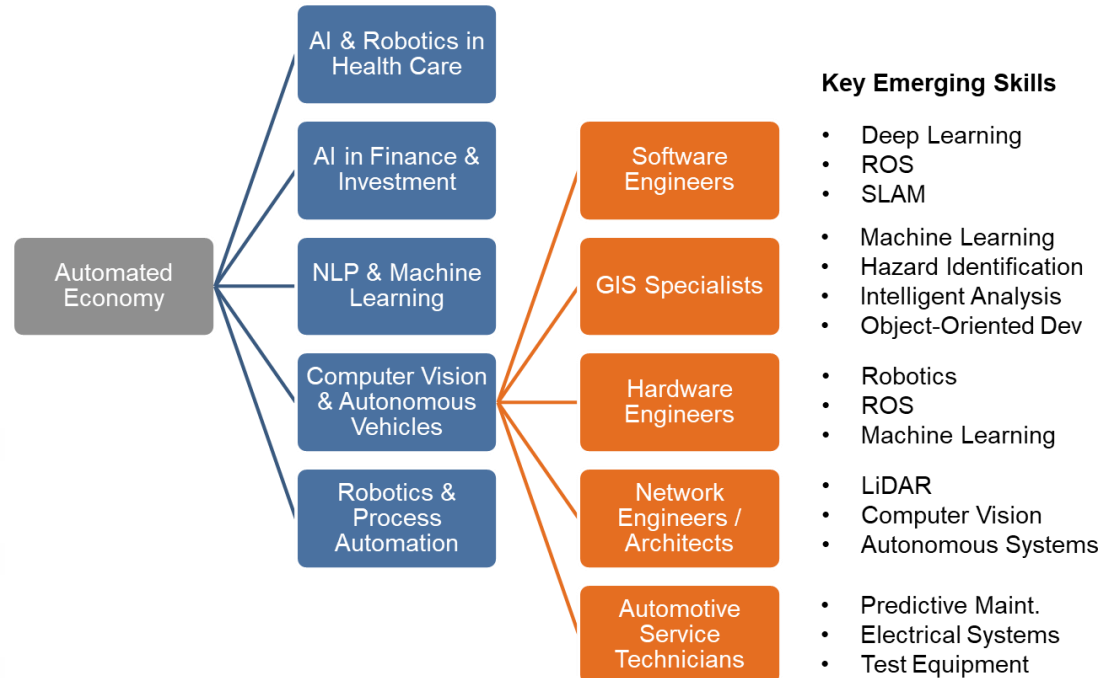
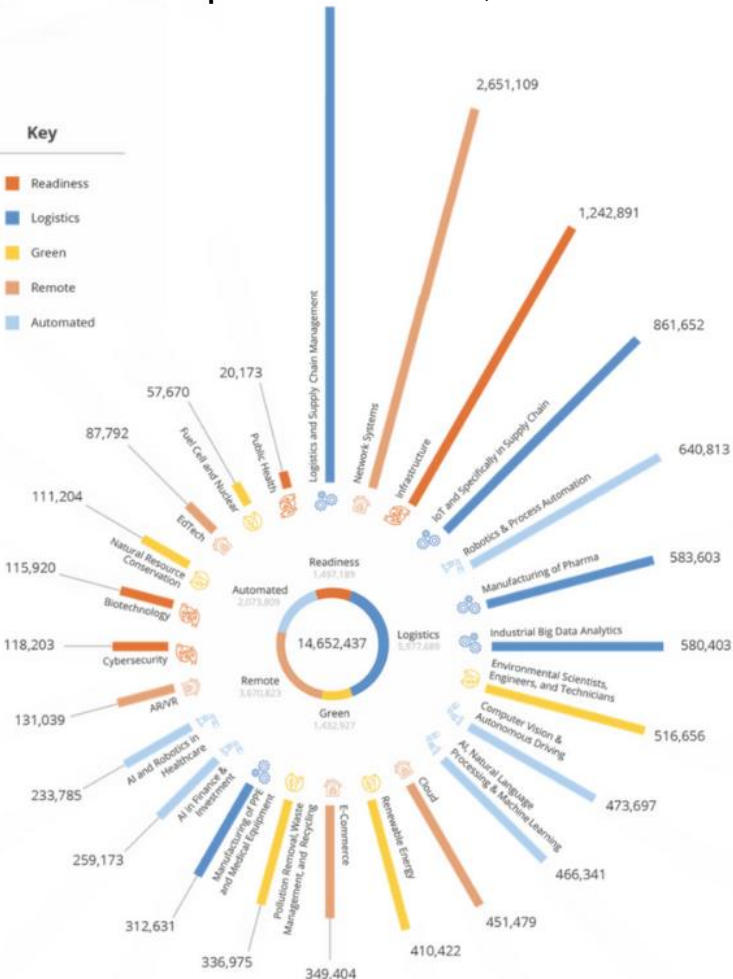


Emerging Sectors Demand a Curriculum Rethink

Build talent for the jobs & skills powering each key sector's growth

New economies could create millions of jobs but will require new skills, **exacerbating gaps**

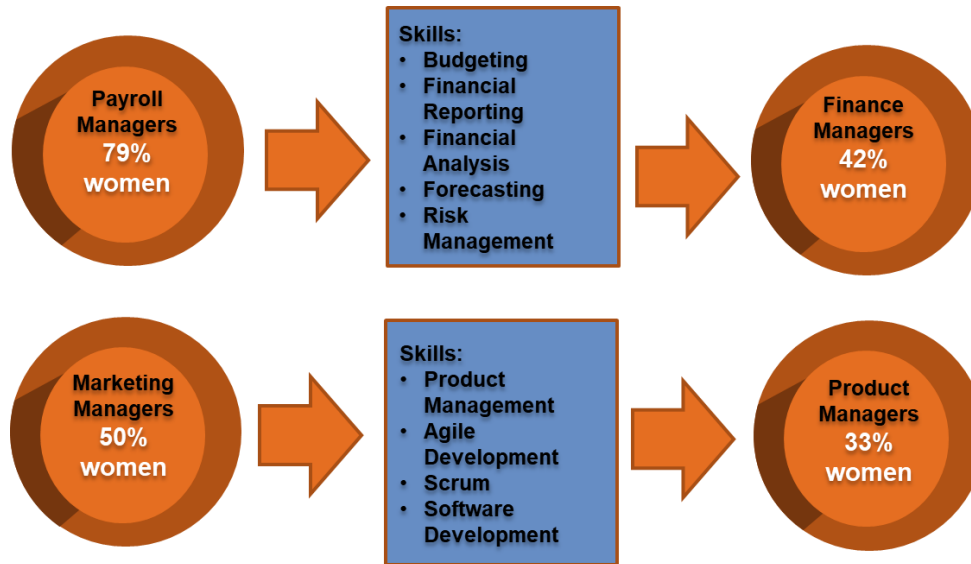
In emerging sectors, even existing occupations are being **redefined by new skills**



Effective Reskilling Demands Skill Intelligence

Underlying skill relationships reveal hidden talent, untapped oppty

Skills Shatter the Glass Ceiling: Specific skills close gaps that separate women from opportunity



Efficient training programs build specific skills that bridge the gap between roles

Business Analyst (€79,000)	Network Engineer (€102,000)
Communications	Communications
Management	Management
Problem Solving	Computer Science
Operations	Leadership
Leadership	Troubleshooting
Microsoft Excel	Solution Architecture
Presentations	Operations
Business Process	Automation
Planning	Network Engineering
Research	Problem Solving
Business Requirement	Planning
Customer Service	Amazon Web Services
Data Analysis	Agile Methodology
Microsoft PowerPoint	Python
Finance	Microsoft Azure
Detail Oriented	Firewall
Agile Methodology	Presentations
Written Communication	Information Technology
Business Analysis	Sales
Consulting	Customer Service

Considerable overlap in core foundational skills can be leveraged by filling in technical gaps, including key cloud skills

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