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RETHINKING TALENT ACQUISITION FRAMEWORK FOR THE DIGITAL ECONOMY – FROM THE JOBS TO SKILLS

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Abstract

The global workforce is undergoing a profound transformation driven by digitalization, automation and artificial intelligence. Traditional job-based hiring models-once centred on degrees, titles, and experience – are rapidly losing relevance in the digital economy where adaptability, continuous learning, and demonstrable skills determine success. This study explores the paradigm shift toward skill-based hiring and its implications for organizations, employees and educational institutions.

Findings reveal a strong consensus that skills are more important than formal qualifications in the modern job market. Despite widespread support for skills-based hiring, significant barriers persist, including the continued preference for degrees, lack of standardized skill assessment, and limited recognition of micro-credentials. Respondents favoured certification, digital portfolios and projects-based evaluations as credible proof of competence. The study concludes that transitioning to a skills-first talent acquisition framework requires systemic change-integrating technology-driven assessments, continues upskilling, and collaboration between academia, industry and policymakers.

Ultimately, this research highlights that the future work will be defined not by job titles but by capabilities. Organizations that embrace skill-based hiring will gain agility, inclusivity, and innovation, while individuals who invest in lifelong learning and verifiable skills will remain competitive in an ever-evolving digital economy.

Keywords: Digital economy, Talent acquisition, transformation workforce, digitalization skills, Micro-credential and learning behaviour, Managing disruption technology

Introduction

The world of work is undergoing a profound transformation driven by digitalization, automation, artificial intelligence and globalization. The rise of digital economy has created a paradigm shift from traditional job-based employment structures to skill-oriented work ecosystems. Previously, hiring decisions were heavily based on educational qualification, designations and years of experience. As technology evolves rapidly, these static indicators no longer guarantee job performance or adaptability.

Organizations today require employees who possess not only technical expertise but also cognitive flexibility, digital literacy, problem-solving ability, and emotional intelligence. The nature of work itself is changing – new roles are emerging while others are becoming obsolete. As a result, industries are moving away from rigid job descriptions toward skill-based hiring, where what a person can do matters more than their formal background.

This transition is forcing companies to rethink their talent acquisition strategies. Employers are now focusing on competency-based assessments, micro-credentialing, and continuous learning pathways. Similarly, employees are expected to reskill and upskill throughout their career to stay relevant. This study explores this transformation, analysing how businesses can align recruitment practices with evolving skill demands and develop frameworks that support both organizational agility and employee growth.



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Objectives of the study

The study aims to understand the growing emphasis on skills in the digital economy and its implications for talent management. The main objectives include:

1. To examine the impact of digital transformation on traditional hiring and employment practices.
2. To identify the key digital, technical and soft skills that are increasingly valued across industries in the digital age.
3. To analyse how organizations are adapting to skill-based hiring frameworks and competency mapping.
4. To evaluate the advantages and challenges of implementing a skills-first approach in recruitment and workforce development.
5. To propose a strategic model for organizations to build a sustainable, future-ready, and skill-oriented talent acquisition framework.

Significance of the study

This study holds great significance in understanding how businesses can thrive amid the ongoing technology revolution. As digitalization accelerates, organizations face a widening skill gap that hampers innovation and growth. By shifting focus from jobs to skills, companies can enhance recruitment accuracy, reduce training costs, and ensure better job-role alignment.

The research is especially relevant for HR professionals and recruiters, who are now required to design systems that assess candidates based on practical competencies and potential rather than traditional resumes. It will also help business leaders and policymakers frame strategies that support skill development at both organizational and national levels.

From an academic perspective, this study highlights the gap between educational systems and industry needs. Many graduates today possess theoretical knowledge but lack the applied digital and analytical skills required by employers. The findings can help universities and training institutions revise their curricula to make learning more career-oriented and responsive to the demands of the digital economy.

Furthermore, this study will contribute to the global discussion on workforce inclusion, as skill-based hiring enables companies to tap into diverse talent pools including individuals without formal degrees but with relevant expertise and experience. Thus, it promotes equality, innovation, and long-term sustainability in workforce planning.

The study lies in its potential to reshape the foundation of recruitment and talent management. This modern economy, is where technology evolves faster than job descriptions, organizations can no longer rely on outdated hiring models. Emphasizing skills ensures that businesses remain agile, innovative, and competitive.

Skill-based hiring also promotes lifelong learning and career mobility. Employees are encouraged to upskill continuously, adapting to emerging technologies and evolving industry trends. This creates a capable and responsive workforce towards the effectiveness with disruptions.

For organizations, adopting a skill-centric approach enhances employee engagement, reduces attrition and builds internal growth pathways. It allows companies to deploy talent more efficiently by matching individuals' competencies with business needs.

In regard to job seekers, this approach provides fairer opportunities. Candidates are evaluated for what they can contribute, not solely on where they studied or what degrees they hold. It democratizes employment and empowers individuals to build careers through practical skills, certifications, and hands-on experience. This study emphasizes that a skills-first mindset is not only a recruitment strategy but also a strategic necessity for long-term organizational success in the digital economy.



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Need of the Study

The need for this study is raised due to the disconnect between job seekers and employers. Despite high unemployment rates, many companies report difficulty filling digital and technical roles. This paradox having both job vacancies and jobless candidates indicates a severe skills mismatch.

Automation and AI are eliminating repetitive tasks, while new digital roles are emerging in data science, cybersecurity, software development, and digital marketing. However, the supply of qualified professionals with these skills remains limited. This highlights the need to redesign talent acquisition systems that focus on identifying, developing and rewarding skills rather than depending solely on academic credentials.

Additionally, the Covid-19 pandemic accelerated remote work, gig employment and digital collaboration, further emphasizing the importance of adaptability and digital fluency. The traditional job-based framework struggles to accommodate this flexibility.

Therefore, this study is essential to explore how organizations can build a sustainable and inclusive workforce model that encourages continuous learning, supports skill mobility and fosters innovation in a digital-first world.

Problem statement

The rapid digital transformation has fundamentally altered the nature of work, yet many organizations continue to rely on traditional job-based recruitment. This approach often fails to identify candidates. The central questions guiding this study are

- How can organizations effectively shift from traditional job-based hiring to a skill-based talent acquisition framework in the digital economy?
- What are the key skills that employers should prioritize while designing recruitment and workforce strategies?
- What challenges do organizations face in implementing a skill-orientated hiring system, and how can they overcome them?
- How can educational institutions and corporate training programs align with the industry's skill requirements to bridge the talent gap?

So, by exploring and answering these questions, the study aims to understand the transformation from jobs to skills and propose strategies to build a more agile, inclusive and future-ready talent acquisition model suited for the digital era.

Review of Literature

World Economic Forum in 2020, in the report of the Future of Jobs Report, highlights that in 2025 50% of employees would require reskilling due to technological disruption. The study emphasized the growing importance of analytical thinking, creativity, digital literacy. It stated that job-based structures are becoming obsolete as roles evolve faster than traditional education can adapt. The findings show that skill-based hiring is essential to close the skill gap and prepare for future workforce demands.

In 2022, Harvard Business School, skill-based Hiring: The Long Road from Pronouncements to practice, examines how organizations claim to adopt skill-based hiring still depend heavily on degree filters. It found that only 37% of companies have truly implementation skills-first approaches in recruitment. The report reflects organizational inertia, outdated HR systems, and lack of skill assessment tools as key challenges. It underlines the gap between policy intent and actual hiring transformation.

In 2018, McKinsey Global Institute, Skill Shift: Automation and the future of the workforce, had a research to analyse how automation and AI are reshaping global labour market. The study revealed that demand for technological, cognitive and



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emotional skills will increase by 2030, while routine and manual tasks will decline. It recommends continuous upskilling and workforce flexibility. The report provides a strong foundation for understanding why firms must move from fixed job roles to dynamic skill models.

In 2022, Deloitte, The Skills-based organization: A New Operating Model for Work and the Workforce proposed a framework for redesigning organizations around skills rather than positions. It emphasized that skills-based structures enhance agility, innovation, and inclusion. The study illustrated how leading companies like Unilever and IBM use skill taxonomies to redeploy talent efficiently. It is highly relevant as it connects organizational design with talent acquisitions strategies.

In 2023, LinkedIn Economic Graph, held an analysis in Skills- first: Reimagining the labour Market reflects the demonstrated that skill-based hiring expands talent pools by up to 20% compare to degree-based hiring. The report also found that non-traditional candidates perform equally or better in many roles. LinkedIn suggested integrating AI-based skill assessments into hiring platforms. This supports the argument that digital tools can bridge the gap between recruiters and skilled talent.

In 2021, OECD, Micro-Credentials for Lifelong Learning and Employability, explored how micro-credentials promote flexible, skill-based education pathways aligned with labour market's needs. It found that employers increasingly recognize short-term certifications in areas like data analytics and cybersecurity. The research supports a shift from traditional qualifications to verifiable skills, reinforcing the link between learning systems and modern hiring practices.

In 2022, Manpower Group, in the Global Talent Shortage Survey, the annual report reveals that 75% of employers face difficulties finding candidates with the required skill sets. The most in-demand skills included IT expertise, creativity and reliability. The study indicated that outdated job descriptions often exclude potential skilled candidates. It underscores the urgency of adopting a skill-based framework to mitigate talent shortages.

In 2023, world Economic Forum, the future of Jobs Report, updated the growing influence of AI and data analytics on employment trends. It forecasted that six out of ten works would need digital reskilling by 2027. The study promoted collaboration between governments, educational institutions and industries to create skill ecosystems. It strengthens the argument for policy-level support for skill-based hiring.

IBM Institute for Business Value –in 2021, The Enterprise Guide to closing the skills Gap identifies 60% of executives struggle to fill digital roles despite having large candidate pools. It suggests integrating AI-driven skill mapping and personalized learning platforms into recruitment. The report aligns with the study's focus on bridging the skills gap through innovation in talent acquisition.

PwC in 2022 in New World, New Skills: Building the Workforce of the Future identifies that 74% of CEOs are concerned about the availability of key skills. It recommended that organizations move toward data-driven, skill-based workforce planning. The study emphasized lifelong learning, collaboration, and digital fluency as essential skills for employability. It adds weight to the argument for continuous upskilling in a digital economy.

Accenture in 2021, in its Reskilling the Workforce for a digital World, research shows that the organizations investing in employee reskilling improve productivity and retention by 25%. It highlighted how automation will transform 40% of current roles within five years. The report advocated a skill-based recruitment model that encourages adaptability and digital growth, supporting the central theme of this study.

In 2023, LinkedIn Learning in its Workplace Learning Report revealed that 89% of learning and development professionals believe upskilling and reskilling are key to future workforce readiness. It identified leadership, communication, and technology adoption as top skill priorities. The findings show how learning culture is central to a skills-based economy.



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Research methodology

Here the methodology is designs to explore the shift in focus from traditional job-based hiring to skill-based hiring. The increasing digitization of industries has altered the employment landscape, demanding new skills and competencies. Therefore, the research methodology outlines how data related to these changes will be gathered, analysed and interpreted to provide meaningful conclusions.

The purpose of this research methodology is to ensure that the study is carried out with academic rigor, accuracy, credibility. This enable to make the logical connections between the research problem, objectives and improving modern talent acquisition practices.

Objectives of methodology

1. To identify the key changes in talent acquisition practices resulting from digital transformation.
2. To examine the shift from job-based hiring to skill-based across industries.
3. To analyse how technology, automation, and artificial intelligence influence recruitment decisions.
4. To understand the perception of HR professionals and employees towards the adoption of skill-based frameworks.
5. To assess the challenges organizations, face in implementing skill-based hiring models.
6. To provide recommendations for improving the efficiency of skill-based talent acquisition strategies.

Sampling tools

With a sample size of 50 is appropriate for descriptive and exploratory studies as it provides sufficient diversity and data for statistical and thematic analysis. The respondent was selected based on their involvement or experience in recruitment, talent management or HR strategy formulations.

Here this study employs a purposive sampling method, which is a form of non-probability sampling. This approach was chosen because the research aims to gather insights from individuals who are directly involved in the talent acquisition process and have relevant knowledge about skill-based recruitment frameworks.

Purposive sampling allows the researchers to focus on specific respondents who can provide meaningful and relevant data. The participants include;

- HR professionals working in medium to large organizations
- Talent acquisition specialists
- Recruitment consultants
- Senior employees with hiring or team management responsibilities

Data Collection Method

Since the findings depends on the data collection, both primary and secondary data collection are adapted.

Primary data is collected from respondents through structured questionnaires and interviews. The questionnaire includes both closed-ended and open-ended questions to capture quantitative and qualitative insights. This survey was distributed through online forms, ensuring ease of participation for respondents from different geographical locations. Additionally, interviews were conducted with HR experts and recruiters to gain-in-depth insights into emerging skill-based hiring trends, challenges, and technology adoption.

Secondary data is gathered from credible sources such as academic journals, HR industry reports, whitepapers, and publications from organizations like the World Economic Forum, Deloitte, McKinsey, and LinkedIn. These sources provide valuable background information on global hiring trends, digital skill demand, and future workforce predictions.



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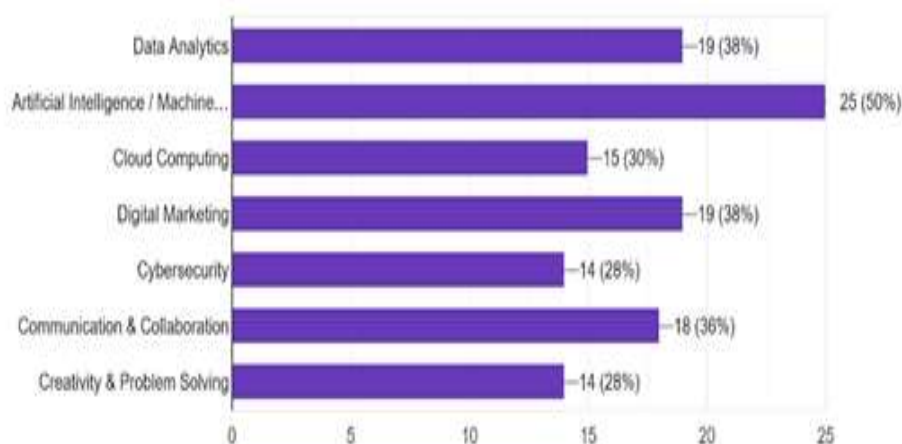
Statistical tools like mean standard deviation Chi-square, correlation analysis, and qualitative tool like Thematic Analysis and Content Analysis are used, along with MS Excel and SPSS software tools for finding and better interpretation analysis.

Findings

While applying for the job the most valued by the organization is skills and ability 36%, experience 24%, education 10% and over all other credentials still matters and the skill leads as the all-other factors is considered as 30%.

For considering the skills more than the degree in today's digital economy is resulted as 70% of them agrees by confirming strong support for skill-first thinking. 18% agree to somewhat, showing moderate but positive sentiment. Only 12% disagree as a minority holding traditional vies. This clearly indicated a generational shift toward valuing ability over credentials. And reinforces the growing relevance of practical skills in hiring decisions.

For the point which digital skills is most on demand reflects that 50% tops the data analytics, AI/ML is agreed by 38% digital Marketing is closely agreed, cloud computing to 30%, cybersecurity to 28% are agreed to key tech areas. Soft digital skills like communication, creativity, problem solving remains vital and the employers seek both technical expertise and collaborative capabilities.



Still, it is observed 64% have faced difficulties, revealing persistent degree bias, only 8% said no, as showing the issue is widespread, 28% not applicable, possibly still studying or not job-seeking, and this demonstrates a gap between skill possession and hiring fairness. This results the need for wider acceptance of skill-based hiring.

It is observed that 42% prefer a balance approach between skills and degrees, 28% favour skills and competencies over traditional measures, 30% still prefer traditional credentials, showing some resistance, and this suggest a transitional phase – but not fully skills only yet are observed. The majority favour integration, not replacement of degrees by skills.

While hiring skill-based, the organization also face biggest obstacle in continued preference for degrees at 34%, evaluating and verifying 24% remain as key challenges, lack of standardized assessments 24% that limits trust in skill validation, skill gaps among candidate 18% add to hiring complexity. Overall, traditional hiring mindsets broader adoption of skills-based models.

Is that the future job market dominates the skill-based hiring, here the results shows that 74% has strongly agreed, approx. 4% disagree, as showing strong optimism toward this shift. The positive sentiment indicates growing belief in



merit-based hiring, neutral response is 22%, suggest some uncertainty about full implementation, and overall, the data reflects a clear trend toward acceptance of skill-first hiring.

The response towards the point to showcase skills, certifications and badges 34% are seen as most credible, online portfolios 24% remain popular for creative and tech fields, practical assignments 22% show a growing preference for proof through performance, Interviews and case studies 20% still holds value for direct evaluations. Overall, respondents prefer tangible, demonstrable proof of capability.

In the next five years, for the success in digital economy the required skills result like 44% of technical skills, lead in perceived importance, soft skills at 18% are valued but less prioritized individually, balanced skillsets are 38% nearly as valued as technical expertise. This indicated employers will seek both tech proficiency and adaptability. This emphasis the need for holistic talent development in digital era.

Discussions

The findings from both sets of charts reveals a deceive shift in perception toward skills-based hiring as the future of employment. Respondents – primarily young adults and early-career professional overwhelmingly expressed the belief that practical skills are more valuable that formal degrees in today’s digital economy. This reflects the global movement towards competency-driven recruitment, where demonstrable abilities and relevant experiences are increasingly prioritized over academic credentials.

Changing mindsets and barriers

Despite this optimism, the findings also expose the lingering attachment to traditional qualifications. Over one-third of respondents identified the continued preference for degrees as the biggest challenge to implementing skills-based hiring. This demonstrates a disconnect between emerging professional values and existing corporate hiring structures. Many organizations still view degrees as a proxy for competence and reliability, largely due to the absence of standardized methods to measure skills objectively. About a quarter of participants also pointed to the lack of reliable skill assessments and certifications, suggesting that until skill validation systems become more universally recognized and trusted, employers may continue to rely on formal education as a safer benchmark.

Beyond this, the difficulty in assessing and verifying candidates’ skills remains a major obstacle. Skills are often context-dependent and harder to quantifying than credentials, which creates uncertainty for recruiters. This survey indicates, although skills-based hiring is widely supported in theory, its practical execution is hindered by these institutional and methodological challenges.

Preferred ways to Demonstrate skills

When and how to showcase their skills, respondents favoured certificates and badges 34 percent and online portfolios to 24 percent over traditional interviews or experience-based metrics. This points to a strong desire for visible, verifiable and standardized proof of competence. Certificated especially those from recognized platforms or institutions serve as trusted indicators of ability, bridging the credibility gap between formal educations and self-acquired of their work, such as coding projects, design samples, or research contributions. Together, these methods signal a cultural move toward transparency and demonstrable value in the hiring process.

Future Skill Priorities

The analysis further highlights a clear emphasis on digital and technical skills as key drivers of employability. Respondents identified Data analytics, Artificial Intelligence (AI), Machine Learning and Digital Marketing as the most in-demand skills. This aligns with global trends emphasizing data literacy, automation and digital communication in modern workplaces. However, a significant portion of respondents also recognized the importance of soft skills such



as creativity, adaptability, leadership and communication. The fact that 38% preferred a balance of both technical and soft skills suggests that success in the digital economy requires more than technical expertise alone it demands human-centred competencies that enhance collaboration, problem-solving and innovations.

Experiences of Degree Bias

A notable finding is that 64% of respondents have experienced difficulty finding a job due to lacking a degree, even when they possessed the relevant skills. This highlights the persistence of credential bias in hiring practices, which continues to disadvantage capable candidates without formal qualifications. While employers increasingly recognize the value of skills, many organizational systems including applicant tracking software and HR policies are still structured around degree-based filters. This inconsistency between attitudes and actions underscore the need for systematic reform in recruitment methods to make skills-based hiring more equitable and inclusive.

Balancing Skills and Credentials

Interestingly, when asked whether companies should focus more on skills or traditional qualifications, the majority 42% advocated for a balanced approach this preference for equilibrium indicates that while the importance of skills is widely acknowledged, degrees still hold symbolic and practical value companies currently value most, respondents believed that skills and abilities at 36% were prioritized, though response reveal an emerging consensus: the future of hiring lies not in eliminating degrees but I integrating skills and credentials for more holistic candidate evaluation.

Conclusion

The data paints a compelling picture of a workforce in transition, one that values skills, evidence, adaptability over traditional qualifications alone. There is strong optimism that skill-based hiring will dominate the future job market, supported by nearly three-quarters of respondents. Yet, this transition is far from complete. Deep-rooted bias toward formal education, combined with the absence of standardized assessment tools, continue to constrain the adoption of purely skills-driven recruitment practices.

To bridge this gap, organizations must invest in reliable frameworks for skill validation, such as micro-credentials, performance-based assessments and verified digital portfolios. Educational institutions, too, can play a vital role by aligning curricula with industry needs and promoting experiential learning opportunities that enhance both technical and soft skills. Recruiters and HR professionals should embrace technologies that allow for more data-driven, inclusive hiring process, ensuring that candidates are assessed based on their actual capabilities rather than just their educational pedigree.

At the same time, candidates are responsible for continuous upskilling. As digital technologies evolve rapidly, employability increasingly depends on one's ability to learn, adopt, and demonstrate value across diverse contexts. The most successful professionals in the future will likely be those who combine strong technical expertise with creativity, problem-solving ability and interpersonal intelligence.

Ultimately, this research reinforces that the future of work is competency-based, not credential-based. While degrees will continue to matter as one component of a candidates' profile, the true differentiators will be what individuals can do, not just what they know. The transition toward skills-based hiring represents not only a shift in recruitment but a fundamental evolution in how society defines talent, opportunity, and success in the digital economy.



References

1. World Economic Forum. (2020). The future of jobs report 2020. Geneva: World Economic Forum. Retrieved from <https://www.weforum.org/reports/>
2. Harvard Business School. (2022). Skills-based hiring: The long road from pronouncements to practice. Boston, MA: Harvard University Press.
3. McKinsey Global Institute. (2018). Skill shift: Automation and the future of the workforce. New York: McKinsey & Company.
4. Deloitte Insights. (2022). The skills-based organization: A new operating model for work and the workforce. Deloitte Development LLC.
5. LinkedIn Economic Graph. (2023). Skills-first: Reimagining the labor market. Sunnyvale, CA: LinkedIn Corporation.
6. Organisation for Economic Co-operation and Development (OECD). (2021). Micro credentials for lifelong learning and employability. Paris: OECD Publishing.
7. ManpowerGroup. (2022). Global talent shortage survey 2022. Milwaukee, WI: ManpowerGroup.
8. World Economic Forum. (2023). The future of jobs report 2023. Geneva: World Economic Forum.
9. IBM Institute for Business Value. (2021). The enterprise guide to closing the skills gap. Armonk, NY: IBM Corporation.
10. PwC. (2022). New world. New skills: Building the workforce of the future. PricewaterhouseCoopers International Limited.
11. Accenture. (2021). Reskilling the workforce for a digital world. Dublin: Accenture Global.
12. LinkedIn Learning. (2023). Workplace learning report 2023. Sunnyvale, CA: LinkedIn Learning.
13. UNESCO. (2020). Skills development for employment in the digital economy. Paris: United Nations Educational, Scientific and Cultural Organization.
14. Gartner. (2021). Reinventing talent management in the digital age. Stamford, CT: Gartner Research.
15. MIT Sloan Management Review. (2022). Rethinking workforce strategy in the age of AI. Cambridge, MA: Massachusetts Institute of Technology.
16. Harvard Business Review. (2021). You need a skills-based approach to hiring. Boston, MA: Harvard Business Publishing.
17. KPMG. (2022). Future of HR 2030: Creating a purpose-led people function. KPMG International Cooperative.
18. Society for Human Resource Management (SHRM). (2021). Bridging the skills gap: Workforce development trends. Alexandria, VA: SHRM Foundation.
19. McKinsey Global Institute. (2024). A new future of work: The race to deploy AI and raise skills. New York: McKinsey & Company.
20. Deloitte Insights. (2023). Human capital trends 2023: Work without jobs. Deloitte Development LLC.
21. World Bank. (2022). Digital skills for the future of work. Washington, DC: The World Bank.
22. Ernst & Young (EY). (2023). How to build a skills-first organization. London: EY Global.
23. Coursera. (2024). Global skills report 2024. Mountain View, CA: Coursera Inc.
24. Forbes Insights. (2022). The talent revolution: Building a skills-driven workforce. Jersey City, NJ: Forbes Media LLC.
25. United Nations Development Programme (UNDP). (2023). The digital skills gap and the future of work in Asia-Pacific. Bangkok: UNDP Regional Bureau for Asia and the Pacific.