

“The 2047 Multiplier: Education as India’s Strategic Asset”

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Abstract :

The goal of Viksit Bharat 2047, India's national ambition to become a developed nation by the centennial of its independence, is examined in this study in relation to education (NITI Aayog, 2023). It examines how knowledge-based growth, digital inclusion, skill development, and educational reforms can support social justice, economic progress, and global competitiveness (Ministry of Education, 2020). The study is important because education is the basis for the development of human capital, innovation, productivity, and democratic participation—all essential pillars needed to turn India into a developed economy by 2047 (World Bank, 2018).

The study uses secondary data from recent educational surveys like the Annual Status of Education Report (ASER Centre, 2023), reports from NITI Aayog, UNESCO statistics, and government policy documents like the National Education Policy 2020. Policy analysis, trend analysis, and comparative evaluation of educational indicators like literacy rates, Gross Enrollment Ratio (GER), digital access, and skill development programs are all part of this qualitative and analytical research methodology (UNESCO, 2022).

The results show that although access to primary and secondary education has significantly increased in India, issues with quality, employability, research output, and fair access to higher and technical education still exist (ASER Centre, 2023). In order to achieve the objectives of Viksit Bharat 2047, the study emphasizes the importance of successfully implementing NEP 2020, integrating technology into education, bolstering vocational education, and increasing public investment in research and innovation (Ministry of Education, 2020). It comes to the conclusion that education is a strategic driver of sustainable economic growth, social transformation, and national development rather than just a social sector priority (NITI Aayog, 2023).

Keywords: Viksit Bharat 2047, education reform, human capital, NEP 2020, skill development, India.

Introduction :

In order to position the country as a fully developed nation by the centennial year of its independence, India unveiled a revolutionary national vision in 2023 called Viksit Bharat 2047 (NITI Aayog, 2023). This vision encompasses social inclusion, technological leadership, sustainability, institutional strength, and human development in addition to economic growth targets (Government of India, 2023). The understanding that no country can become developed without a strong, inclusive, and forward-thinking educational system is at the heart of this goal (World Bank, 2018). The main means of fostering human capital, bolstering innovation ecosystems, increasing productivity, and facilitating social mobility is education (Becker, 1993).

The demographic makeup of India offers both a historic opportunity and an urgent obligation (UNFPA, 2023). The nation is at a demographic crossroads with one of the world's largest youth populations (United Nations, 2022). This population has the potential to be a potent engine of economic growth and global competitiveness if they are given the necessary knowledge, skills, and competencies (World Economic Forum, 2020). On the other hand, poor education and skill gaps can lead to social inequality,

underemployment, and unemployment (OECD, 2021). In order to achieve the goals of Viksit Bharat 2047, education must be strategically aligned with national development goals (NITI Aayog, 2023).

India has significantly increased access to education over the years (Ministry of Education, 2022). Higher education institutions have proliferated, literacy rates have greatly increased, and primary school enrollment has nearly reached universality (UNESCO, 2022). India's educational system has been redesigned to be more comprehensive, multidisciplinary, skill-oriented, and technology-driven thanks to historic policy initiatives, most notably the National Education Policy 2020 (Ministry of Education, 2020). The policy places a strong emphasis on digital education, research promotion, experiential learning, vocational integration, foundational literacy and numeracy, and global standards (NEP, 2020). In order to better meet the demands of a rapidly changing global economy, these reforms aim to change the educational system from rote-based instruction to competency-based learning (World Economic Forum, 2020).

However, structural issues still exist despite quantifiable advancements (ASER Centre, 2023). Educational quality, teacher preparation, the digital divide, rural-urban disparities, research output, employability gaps, and insufficient industry-academia collaboration are still major issues (NITI Aayog, 2023). To guarantee that education becomes the main force behind India's long-term development trajectory, it is imperative to address these systemic issues (World Bank, 2018).

Industry Relevance-

Education is now inextricably linked to economic productivity, industrial competitiveness, and technological advancement; it is no longer limited to classrooms and textbooks (CII, 2023). Industries in today's globalized economy require workers who are flexible, digitally literate, creative, and possess interdisciplinary skills (World Economic Forum, 2020). Skill-based, outcome-driven learning paradigms are gradually replacing traditional degree-oriented educational models (Wheebox, 2023).

Information technology, pharmaceuticals, renewable energy, biotechnology, advanced manufacturing, space technology, and digital services are among India's expanding industries that demand highly skilled workers and ongoing upskilling initiatives (NASSCOM, 2022). The significance of entrepreneurial education, research incubation, and innovation support systems within universities and technical institutions is further highlighted by the fast growth of India's startup ecosystem, which is among the biggest in the world (Invest India, 2023).

The integration of education with industry needs also affects the country's ability to attract foreign direct investment (FDI), strengthen global supply chains, and build strong domestic industries (UNCTAD, 2023). Multinational corporations often look at the quality of a country's talent pool before deciding where to invest (Deloitte, 2022). A solid education system helps improve economic competitiveness and industrial sustainability (Porter, 1990).

Moreover, the growing focus on green growth and sustainable development requires a workforce that understands environmental sciences, climate adaptation, renewable technologies, and sustainable business practices (Skill Council for Green Jobs, 2023). With India aiming for net-zero emissions and increasing renewable energy capacity, educational institutions must add sustainability-focused curricula to prepare professionals who can lead this change (Ministry of New and Renewable Energy, 2022).

Thus, the industry relevance of education within the Viksit Bharat 2047 framework is multidimensional—supporting innovation, productivity, entrepreneurship, sustainability, and global economic integration.

Research Context

The transformation planned for Viksit Bharat 2047 should be seen in the wider context of digital change, financial inclusion, growth in e-commerce, and sustainable development (Digital India, 2023). Education is the key foundation supporting all these areas (World Bank, 2018).

Digital Economy and E-Governance India has experienced a significant digital revolution over the past decade (MeitY, 2023). Initiatives such as Digital India have accelerated internet penetration, digital service delivery, and technological adoption across sectors (Ministry of Electronics and Information Technology,

2021). The rise of digital platforms in governance, healthcare, finance, and commerce demands a digitally skilled population capable of leveraging technological tools efficiently and responsibly (NASSCOM, 2022).

Educational institutions are increasingly adopting digital learning platforms, artificial intelligence-based tools, and blended learning models (NEP, 2020). The COVID-19 pandemic further accelerated this shift, exposing both opportunities and disparities in digital access (UNICEF, 2021). Bridging the digital divide—particularly between urban and rural regions—remains essential for equitable educational development (ASER Centre, 2023)

Fintech and Financial Inclusion India's fintech ecosystem has grown rapidly, supported by platforms such as Unified Payments Interface (NPCI, 2023). Financial literacy and digital competence are now critical skills for citizens participating in the modern economy (RBI, 2021). Educational curricula must incorporate financial awareness, digital security, and entrepreneurial literacy to ensure responsible participation in digital financial systems (NCFE, 2022).

E-Commerce and Entrepreneurship The expansion of e-commerce and digital marketplaces has transformed traditional business models (IBEF, 2023). Startups and micro-enterprises increasingly rely on online platforms for market access, logistics, and customer engagement (DPIIT, 2023). Educational programs that emphasize digital marketing, supply chain management, data analytics, and business innovation are therefore essential for nurturing future entrepreneurs and industry leaders (Entrepreneurship Development Institute of India, 2022).

Sustainability and Green Development Global economic discourse increasingly centers on sustainability, climate resilience, and responsible growth (IPCC, 2023). India's commitment to renewable energy expansion and environmental conservation necessitates education systems that prioritize environmental awareness, research in green technologies, and sustainability-oriented innovation (Ministry of Environment, Forest and Climate Change, 2021). Education plays a central role in cultivating environmentally responsible citizens and professionals capable of advancing sustainable development goals (UNESCO, 2021).

In this research context, education is not merely a social service but a strategic enabler across digital business, fintech, e-commerce, and sustainability sectors—each of which is integral to the realization of Viksit Bharat 2047 (NITI Aayog, 2023).

Review of Literature

2.1. Introduction to Literature on Education and Development

The interlinkages between education, human capital, and national development have long been a major focus in academic and policy research (Becker, 1993). Early economic theorists such as Becker and Mincer established that education functions as an investment in human capital that enhances productivity and future earnings, forming the foundation for development economics (Becker, 1964; Mincer, 1974). Education's role in raising economic growth and societal well-being has been affirmed through diverse theoretical and empirical frameworks across decades (Schultz, 1961). Despite extensive research globally, there remains ongoing debate on how education translates into economic and developmental outcomes, particularly in the Indian context where regional disparities and policy implementation challenges are profound (Mitra & Rout, 2021).

2.2. Theoretical Foundations

2.2.1 Human Capital Theory

At the heart of education research lies Human Capital Theory, which posits that investment in education increases an individual's productive capabilities, benefiting both the individual and the economy (Schultz, 1961). As explained in seminal contributions, education enhances skills and knowledge, leading to higher productivity, improved employability, and economic growth (Becker, 1993). This theoretical framework

has been widely used to explain educational contributions to development in both developed and developing economies (World Bank, 2018).

In the Indian context, Bhowmick and Yadav (2023) review how public education contributes to human capital formation, emphasising that quality education improves workforce capabilities and drives economic outcomes. They trace the intellectual lineage of human capital theory, citing economic scholars such as Schultz, Marshall, and Becker, who highlighted the importance of skills and knowledge as drivers of economic performance (Bhowmick & Yadav, 2023).

2.2.2 Rate of Return and Economic Growth Models

Another theoretical lens focuses on the rate of return analysis – a method that quantifies the economic value generated from education investments (Psacharopoulos & Patrinos, 2018). As documented in a review of literature on education and development, there are distinct approaches to understanding education's role: (1) rate of return analysis; (2) human resource approach; and (3) education-growth analyses (Mitra & Rout, 2021). These approaches collectively highlight that measuring education's impact goes beyond access to skill enhancement and productivity contributions at the macroeconomic level (Hanushek & Woessmann, 2020).

2.3. Empirical Evidence on Education's Role in Development

2.3.1 Education and Economic Development in India

Empirical research in India often examines how education influences economic growth and structural transformation (Surbhi, 2022). For instance, Mitra and Rout's (2021) review highlights that education's contribution to economic development can be positive, negative, or insignificant depending on methodological choices and contextual variables. They emphasise the need for formal evaluation of educational policies to guide public investment decisions, noting that existing studies are insufficient to drive persuasive policy change (Mitra & Rout, 2021).

Surbhi's (2022) regression analysis on human capital in the Indian economy finds a positive and significant relationship between education (as a component of human capital) and economic growth, reaffirming human capital theory's relevance in empirical settings. The study suggests that increased education enrolment boosts economic output, thereby substantiating claims that investment in education yields quantifiable developmental benefits (Surbhi, 2022).

2.3.2 Educational Attainment and Inequality

Contrasting studies focus on inequality within education outcomes (Das, 2020). Das's (2020) analysis of urban–rural disparities highlights persistent gaps in literacy and educational attainment across states, indicating that regional inequalities complicate education's role in equitable development. The Sopher urban-rural differential index shows that disparities remain significant despite long-term improvements in literacy, suggesting that policies must focus on equity alongside expansion (Das, 2020).

Relatedly, Singh and Singhal's (2021) research on gender gaps in rural India reveals persistent gender inequalities in mathematics achievement, underscoring how social norms and regional variation influence learning outcomes. Their findings indicate that gender-related educational disparities endure over time, complicating efforts to improve human capital uniformly across groups (Singh & Singhal, 2021).

2.3.3 Household and Environmental Influences

Studies such as Biswas and Das's (2022) examination of cooking fuel choice illustrate that education outcomes are shaped by broader socio-economic and health factors. Their research suggests that household energy choices negatively impact school attendance and progression for children, particularly girls, pointing to the complex ways in which non-educational factors influence educational attainment (Biswas & Das, 2022).

2.4. National Education Policy 2020 and Education Reform Research

2.4.1 NEP 2020 as Policy Response

India's recent National Education Policy (NEP) 2020 marks a significant policy intervention aimed at reforming education to address long-standing structural issues (Ministry of Education, 2020). Multiple studies analyse NEP 2020's theoretical underpinnings, objectives, and potential impacts (Poornima Devi, 2021).

Poornima Devi's (2021) evaluation of NEP 2020 characterises the policy as transformative, citing its emphasis on multidisciplinary curricula, flexibility, global integration, and digital learning. The policy is seen as seeking to modernise education to meet 21st-century demands while correcting historical imbalances in Indian education (Poornima Devi, 2021).

Another recent analysis focuses on NEP 2020's recommendations for higher education, reaffirming the policy's shift towards cognitive development instead of rote learning (Kumar, 2022). It argues that implementing the policy comprehensively can produce learners equipped with skills relevant to global and local needs, potentially bridging the employability gap among graduates (Kumar, 2022).

Additionally, recent policy reviews highlight NEP's role in aligning education with labor market requirements and the knowledge economy (NITI Aayog, 2023). However, there are also concerns about implementation challenges, funding constraints, and execution timelines, suggesting that the policy's success is contingent on administrative coordination and resource allocation (Ayyar, 2021).

2.4.2 Policy Impact on Human Capital and Skills

Recent policy debates, such as those cited by India's policy think tanks and industry leaders, argue that strengthening education systems – especially in areas like AI and digital skills – is essential to maintain global competitiveness (NASSCOM, 2022). The emphasis on digital literacy and emerging technologies reflects a broader recognition that educational reforms must align with contemporary labor market demands (Wheebox, 2023).

2.5. Comparative Insights Across Studies

A comparative look at the literature reveals both consensus and divergence on several issues (Mitra & Rout, 2021):

Consensus on human capital benefits: Across theoretical and empirical studies, there is broad agreement that education contributes positively to individual and national outcomes, particularly when measured through human capital frameworks and economic growth models (Becker, 1993; Schultz, 1961).

Debate on quantitative impact: Mitra and Rout's (2021) review suggests that the evidence on education's impact on economic development in India is mixed and often context-dependent, whereas empirical work by Surbhi (2022) shows statistically significant links between education and growth.

Equity and access concerns: Studies focusing on inequality highlight that literacy and learning disparities remain substantial across regions, genders, and socio-economic groups, pointing out that increasing access alone is insufficient without attention to quality and inclusion (Das, 2020; Singh & Singhal, 2021).

Policy vs. reality: Policy analyses of NEP 2020 highlight ambitious frameworks and forward-looking goals, yet empirical implementation challenges indicate significant work remains to achieve the policy's objectives (Poornima Devi, 2021; Ayyar, 2021).

2.6. Research Gaps Identified

Despite substantial literature, several research gaps persist (Mitra & Rout, 2021):

2.6.1 Measurement of Education Quality: Current research often prioritises enrolment statistics and outcomes like literacy rates, but there is limited longitudinal analysis on the qualitative aspects of education

— such as critical thinking, creativity, and competency outcomes — especially in India’s evolving policy landscape (ASER Centre, 2023).

2.6.2 Linkages with Emerging Economies: While human capital theory is established, there is less research exploring how educational reforms directly impact new segments of the economy, such as digital business, AI, fintech, and sustainability sectors, which are crucial for a knowledge-driven economy envisioned under *Viksit Bharat 2047* (NITI Aayog, 2023).

2.6.3 Policy Implementation Studies: Although NEP 2020’s theoretical framework receives attention, empirical research on its implementation effectiveness across states, sectors, and socio-economic groups remains limited (Ayyar, 2021).

2.6.4 Interdisciplinary Skills and Labor Markets: There is a need for research linking interdisciplinary educational models with actual labour market outcomes in India, particularly considering global trends toward digital economies, automation, and future-ready skills (Wheebox, 2023).

Problem Statement

India’s vision of *Viksit Bharat 2047* heavily depends on the development of a strong and future-ready education system (NITI Aayog, 2023). The education sector is, however, faced with many challenges, such as the quality of learning, regional and social inequalities, and the skill levels of the graduates in comparison to the needs of the industry (ASER Centre, 2023). The gap between the quality of education and the needs of the knowledge-based, technology-driven economy needs to be addressed (Ministry of Education, 2020).

This issue needs to be researched because education plays a vital role in the development of the nation (Becker, 1993). The existing research has mostly concentrated on the enrollment rate and the literacy rate, but there is a need to find the link between the educational reforms and the development goals of the Indian government to become a developed nation by 2047 (Mitra & Rout, 2021). This is because the education sector has to play an important role in the development of the nation (NITI Aayog, 2023).

Analysis & Discussion

1. Case Description

The case study revolves around India’s education system and its contribution to the strategic vision of achieving the concept of *Viksit Bharat 2047*, which aims to attain the status of a developed nation by 2047 (NITI Aayog, 2023). Various stakeholders in this context include the Ministry of Education, the state governments, higher education institutions, vocational training centers, and industry partners (Ministry of Education, 2020). In this context, the study aims to assess the alignment of the education system with the National Education Policy (NEP) 2020, digital education, skill development programs, and the demands of the industry in the context of high-growth areas such as information technology, biotechnology, renewable energy, and fintech (NASSCOM, 2022; Wheebox, 2023). Various challenges in the Indian education system, as revealed in the case study, include:

- I. Inequitable access to quality education in rural and urban areas (Das, 2020).
- II. Skill deficiencies and the lack of alignment between the skill sets of the youth and industry requirements (Wheebox, 2023).
- III. Low adoption of interdisciplinary and technology-integrated learning (Kumar, 2022).
- IV. Low research outcomes and innovation-driven learning (NITI Aayog, 2023).

2. Data Analysis

The current study will be based on the following types of secondary data analysis:

Educational Indicators: Literacy rates, Gross Enrollment Ratio (GER), enrollment rates for higher education, digital access, and vocational training statistics (Ministry of Education, 2022; UNESCO, 2022).

Economic and Skill Metrics: Employment statistics, sector-wise skill requirements, growth of the startup ecosystem, and FDI inflows (CII, 2023; Invest India, 2023).

Policy Implementation Data: Adoption of NEP 2020 at the state level, infrastructure readiness, teacher-student ratios, and digital education penetration (Ayyar, 2021)

3. Interpretation of Findings

Access vs. Quality: Although access to primary and secondary education has improved significantly, the quality of education still remains uneven in rural and socio-economically disadvantaged regions (ASER Centre, 2023). Gains in literacy have not automatically translated to competency or employability (Wheebox, 2023).

Skill and Industry Alignment: From the analysis conducted, it can be inferred that there remains a disconnect between the skills imparted to fresh graduates and the requirements of the labor market (CII, 2023). Industries like AI, renewable energy, and fintech require interdisciplinary skills that are not being adequately imparted in educational institutions (NASSCOM, 2022).

Digital Inclusion: The proliferation of digital learning platforms has accelerated in recent years due to the impetus provided by NEP 2020 and Digital India (MeitY, 2023).

Policy Implementation Variability: A comparative analysis of states reveals that the implementation of NEP 2020 recommendations remains uneven in various states, particularly in higher education (Ayyar, 2021).

Human Capital Returns: Regression analysis establishes a positive correlation between educational attainment and economic output. This reiterates the findings of the Human Capital Theory (Surbhi, 2022). The impact of education on economic output differs in various regions, sectors, and the quality of education imparted (Mitra & Rout, 2021).

4. Linking Results with Theory and Literature

Human Capital Theory: The results validate the core concept of the theory that education enhances productivity and economic output (Becker, 1993; Surbhi, 2022).

Rate of Return Analysis: Investment in skill-based education generates higher returns in terms of employability compared to investments in education enrollment (Psacharopoulos & Patrinos, 2018; Wheebox, 2023).

Equity and Inclusion: Urban-rural and gender gaps in education attainment have been consistent with the findings of various studies conducted by Das (2020), Singh & Singhal (2021), Sopher Index, et al., indicating the need for equity-based initiatives (Das, 2020).

Policy Impact: The changes introduced in NEP 2020 are aligned with theoretical aspects of multidisciplinary learning, digital literacy, and competency-based education (Ministry of Education, 2020). However, its execution is not fully effective in realizing its potential in economic and social development (Poornima Devi, 2021).

5. Use of Analytics and Models

Excel/Statistical Models: Regression and correlation statistical models are used to analyze the relationship between education and economic factors such as GDP per capita and employment rates (Surbhi, 2022).

AI-Based Forecasting: AI-based forecasting models are used to forecast future skill requirements in new sectors of growth and help in designing education policy changes in alignment with such requirements (NASSCOM, 2022).

Policy Implementation Matrix: The policy implementation matrix is a scoring tool that assesses state-wise preparedness for implementing NEP 2020 and identifies high- and low-performing states (Ayyar, 2021).

6. Key Insights

Education is a key driver of economic growth and social equity and is essential for achieving Viksit Bharat 2047 (NITI Aayog, 2023).

Simply increasing access is not enough, and quality, employability, and skillset are essential for making human capital more effective (ASER Centre, 2023; Wheebox, 2023).

Digital literacy, interdisciplinary learning, vocational training, and sustainable learning are essential for meeting sectoral and global competitiveness demands (World Economic Forum, 2020; NASSCOM, 2022).

There is a need for policy implementation gaps to be addressed through state-specific policies, industry-academia partnerships, and increased public spending on research and technology adoption (Ministry of Education, 2020; CII, 2023).

CONCLUSION

To conclude, it is evident from this study that education is one of the key drivers for achieving Viksit Bharat 2047 and is considered the base for human capital development, economic growth, and social transformation (NITI Aayog, 2023). Though India has shown significant improvement in terms of access to primary, secondary, and higher education levels, yet challenges persist in terms of learning outcomes, employability, digital literacy, and research output (ASER Centre, 2023; UNESCO, 2022). The results of this study support Human Capital Theory and its positive relationship between education and economic growth; however, education is also subject to its quality and relevance in terms of industry requirements and changes in the market scenario (Becker, 1993; Surbhi, 2022).

From a managerial point of view, it is evident that educational institutions and industry leaders need to take strategic steps and initiatives in terms of integrating technology-based learning and addressing issues of regional and gender disparities in human capital development (NEP, 2020; Wheebox, 2023)

The study also reflects on the importance of policies and interventions such as the National Education Policy 2020, which can be used as a guideline to improve the workforce, digitalization, and innovation in the country (Ministry of Education, 2020; Ayyar, 2021). Suggestions for Future Research: There are possibilities to study the quality of education and learning outcomes in the country in the coming years, the implementation of the National Education Policy in different states in India, and the development of new sector-specific skills and models of interdisciplinary and experience-based learning to improve the employability and economic development of the country (Mitra & Rout, 2021; NASSCOM, 2022). In all aspects, education is not just a social sector agenda in India but a tool to achieve the vision of a developed India by 2047 and transform the country in all dimensions to achieve the vision of Viksit Bharat 2047 (NITI Aayog, 2023).

References

References (APA 7th Edition)

1. **ASER Centre.** (2023). *Annual Status of Education Report (Rural) 2022*. <https://www.asercentre.org/>
2. **Ayyar, R. V. V.** (2021). The National Education Policy 2020: A review. *Economic and Political Weekly*, 56(6), 12-15.
3. **Becker, G. S.** (1993). *Human capital: A theoretical and empirical analysis, with special reference to education* (3rd ed.). University of Chicago Press.

4. **Bhowmick, A., & Yadav, S.** (2023). Human capital formation and public education in India: A review of intellectual lineage. *Journal of Indian Education*, 48(2), 45-60.
5. **Biswas, S., & Das, S.** (2022). Household cooking fuel and its impact on school attendance in India: A gendered perspective. *Environmental Science and Pollution Research*, 29, 14231–14245. <https://doi.org/10.1007/s11356-021-16781-3>
6. **Confederation of Indian Industry (CII).** (2023). *Higher education and industry-academia collaboration: The road to 2047*. CII Publications.
7. **Das, P.** (2020). Urban–rural differentials in literacy and educational attainment in India: An analysis of the Sopher index. *Geographical Review of India*, 82(4), 312-328.
8. **Department for Promotion of Industry and Internal Trade (DPIIT).** (2023). *Startup India: The growth of the third-largest ecosystem*. Government of India.
9. **Devi, P.** (2021). NEP 2020: A transformative step toward 21st-century education. *International Journal of Multidisciplinary Educational Research*, 10(4), 112-120.
10. **Hanushek, E. A., & Woessmann, L.** (2020). Education, knowledge capital, and the transformation of economies. *Journal of Economic Perspectives*, 34(1), 163-188. <https://doi.org/10.1257/jep.34.1.163>
11. **India Brand Equity Foundation (IBEF).** (2023). *E-commerce industry in India: Market size, opportunities, and trends*. <https://www.ibef.org/>
12. **Invest India.** (2023). *Education sector in India: Opportunity and growth*. National Investment Promotion and Facilitation Agency.
13. **Kumar, A.** (2022). Higher education reforms in NEP 2020: Shifting from rote learning to cognitive development. *Indian Journal of Higher Education*, 13(1), 22-35.
14. **Ministry of Education.** (2020). *National Education Policy 2020*. Government of India. https://www.education.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf
15. **Ministry of Education.** (2022). *All India Survey on Higher Education (AISHE) 2020-21*. Government of India.
16. **Ministry of Electronics and Information Technology (MeitY).** (2021). *Digital India: Power to empower*. Government of India.
17. **Mitra, A., & Rout, H. S.** (2021). Education and economic development in India: A review of literature and policy implications. *International Journal of Social Economics*, 48(8), 1124-1140. <https://doi.org/10.1108/IJSE-08-2020-0538>
18. **NASSCOM.** (2022). *Future skills prime: Digital skills demand and supply analysis in the Indian IT sector*. NASSCOM Sector Skills Council.
19. **NITI Aayog.** (2023). *Viksit Bharat @2047: Strategy and vision for a developed India*. Government of India. <https://www.niti.gov.in/>
20. **Psacharopoulos, G., & Patrinos, H. A.** (2018). Returns to investment in education: A decennial review of the global literature. *Education Economics*, 26(5), 445-458. <https://doi.org/10.1080/09645292.2018.1484426>
21. **Reserve Bank of India (RBI).** (2021). *National strategy for financial education 2020-2025*. RBI Publications.
22. **Schultz, T. W.** (1961). Investment in human capital. *The American Economic Review*, 51(1), 1-17.

23. **Singh, R., & Singhal, S.** (2021). Gender gaps in mathematics learning in rural India: Evidence from large-scale surveys. *International Journal of Educational Development*, 82, 102353. <https://doi.org/10.1016/j.ijedudev.2021.102353>
24. **Surbhi, K.** (2022). Human capital and economic growth in India: An empirical regression analysis. *The Indian Economic Journal*, 70(3), 450-468.
25. **UNESCO.** (2022). *State of the education report for India: Artificial Intelligence in education*. UNESCO New Delhi Office.
26. **Wheebox.** (2023). *India Skills Report 2023: The future of work and employability*. Wheebox & Confederation of Indian Industry.
27. **World Bank.** (2018). *World development report 2018: Learning to realize education's promise*. <https://www.worldbank.org/en/publication/wdr2018>

