



Skill Development Programs and Economic Empowerment of Women in India

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DOI : <https://doi.org/10.5281/zenodo.18897934>

ARTICLE DETAILS

Research Paper

Accepted: 21-02-2026

Published: 10-03-2026

Keywords:

Women Empowerment, Skill Development, Economic Empowerment, Gender Equality, Financial Inclusion

ABSTRACT

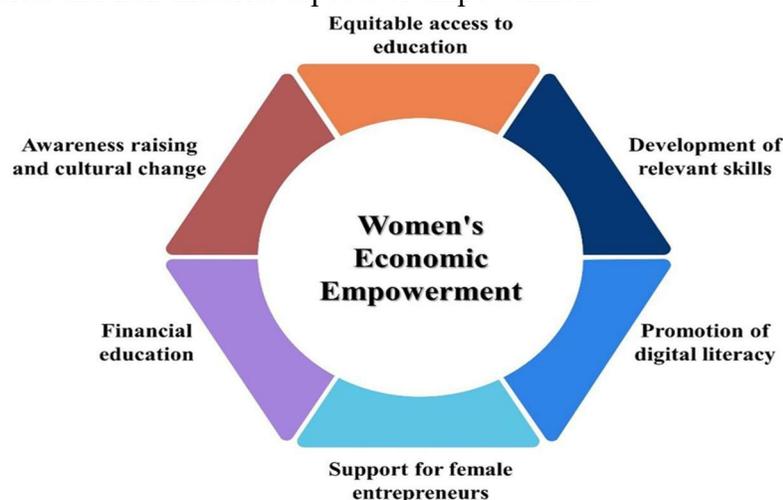
An essential element of inclusive and sustainable development in India is the economic empowerment of women. In order to improve women's employability, ability to generate income, and potential for entrepreneurship, skill development programs have become important governmental initiatives. This study looks at how skill development programs might improve women's economic standing in both rural and urban India. It examines the contributions of non-governmental organizations and private sector training institutes in addition to significant government-led initiatives like the Deen Dayal Upadhyaya Grameen Kaushalya Yojana and the Skill India Mission. The project investigates how digital literacy initiatives, technical training, and vocational education improve women's access to formal employment, self-employment, and microbusiness prospects. According to the research, developing new skills raises one's social standing in a community, one's ability to make decisions within the home, and one's financial independence. However, issues including the digital divide, restricted mobility, poor infrastructure, and gender preconceptions continue to hinder these programs' full potential. In order to guarantee long-term results, the study also assesses the efficacy of gender-sensitive training programs and the requirement for

more robust monitoring systems. It comes to the conclusion that although skill development initiatives have made a substantial contribution to women's economic engagement, long-term empowerment requires a comprehensive strategy that incorporates education, market connectivity, financial inclusion, and supportive legislation. In India, progress toward gender equality and inclusive growth can be accelerated by fortifying institutional frameworks and increasing access to developing industries.

Introduction to Women's Economic Empowerment

The process by which women are able to engage equally in current markets, access and control productive resources, make wise life decisions, and profit from economic progress is known as women's economic empowerment. In addition to being an essential component of equitable and sustainable development, it is a fundamental human right. The larger objectives of social justice, poverty alleviation, gender equality, and national economic advancement are intimately related to women's economic empowerment in India. Women's full involvement in economic activities is nevertheless limited by institutional hurdles, sociocultural norms, and structural disparities, despite important constitutional provisions and legislative initiatives.

The creation of income is only one aspect of economic empowerment. It encompasses social security, decent jobs, financial services, property rights, education, skills, and the ability to make decisions in homes and communities. When a woman has control over her income, the ability to make her own financial decisions, and the ability to affect more general economic policy, she is considered economically empowered. Therefore, confidence, agency, bargaining power, and social recognition are all examples of material and non-material aspects of empowerment.





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The United Nations Sustainable Development Goals (SDGs), especially Goal 5 (Gender Equality) and Goal 8 (Decent Work and Economic Growth), acknowledge the global significance of women's economic empowerment. Equal rights to financial resources, ownership, job possibilities, and leadership positions are highlighted by these objectives. Reaching these goals is crucial for emerging nations like India in order to advance both economic growth and gender fairness. Increasing women's labor force participation boosts GDP growth and enhances household wellbeing overall, according to a number of studies.

In India's past, women have made significant contributions to household businesses, handicrafts, informal labor, and agricultural production. But a large portion of their labor is still unappreciated or underappreciated. Numerous labor surveys indicate that India's female labor force participation has varied throughout the years, frequently due to societal standards, education levels, rural-urban migration, and technological advancements. A significant percentage of women work in the unorganized sector, which is marked by low pay, unstable employment, and a lack of social security. Their upward mobility and financial security are restricted by this informalization.

A key component of women's economic empowerment is education. Economic prospects are increased when people have access to high-quality education since it improves their employability, knowledge, and skills. Government programs like Beti Bachao and Beti Padhao have worked to raise the status of girls by encouraging survival and education over the years. Pathways to professional careers, entrepreneurship, and leadership roles have progressively become more accessible as a result of rising female literacy and higher education enrollment. Disparities still exist, nonetheless, between socioeconomic classes, caste groups, and geographical areas.

An additional essential component of economic empowerment is financial inclusion. Women may manage risks, engage in enterprises, and become financially independent when they have access to banking services, credit, insurance, and savings options. Women's involvement in local economies has increased with the growth of self-help groups (SHGs), microfinance organizations, and digital payment systems. Millions of women have been able to create bank accounts because to programs like the Pradhan Mantri Jan Dhan Yojana, which encourage direct benefit transfers and lessen financial dependency. However, institutional biases, a lack of collateral, and financial literacy frequently continue to restrict lending availability.



Empowerment is mostly dependent on employment prospects and respectable working conditions. In metropolitan regions, women are now more prevalent in fields including education, healthcare, information technology, textiles, and services. In the meantime, rural women still make a substantial contribution to agriculture and related fields. Rural women now have wage work and income security because to government employment initiatives like the Mahatma Gandhi National Rural work Guarantee Act, which has improved their economic role in households. Gender pay disparities and occupational segregation continue to be issues notwithstanding these developments.

One revolutionary avenue for women's economic empowerment is entrepreneurship. Innovation, job generation, and community development are all aided by women-led businesses. The expansion of e-commerce and digital platforms has allowed women entrepreneurs to reach consumers beyond their local borders. The goal of skill development programs run by programs like the Skill India Mission is to give women technical and vocational skills that meet market demands. However, access to funding, mentorship, infrastructure, and nurturing family contexts are frequently necessary for entrepreneurial success.

Women's economic engagement is greatly influenced by sociocultural influences. Women's access to education, training, and work is restricted by patriarchal traditions, early marriage, household duties, mobility limitations, and gender stereotypes. Women are disproportionately responsible for unpaid care duties, which limits their time for paid economic pursuits. Gender-sensitive policies, flexible work schedules, childcare assistance, and social awareness initiatives that question conventional gender norms are all necessary to remove these systemic obstacles.

The course of empowerment is also influenced by institutional and legal contexts. Constitutional provisions forbid discrimination based on gender and ensure equality before the law. Women's economic rights have been reinforced by reforms pertaining to maternity benefits, workplace safety, inheritance rights, and harassment protection. However, in order to turn legislative provisions into true empowerment, knowledge and effective execution are still essential.

Women now have more opportunities to participate in the economy because to the digital revolution. Women are overcoming societal and geographic barriers thanks to financial services, internet markets, remote employment options, and digital literacy initiatives. Inclusive growth may be accelerated by combining technology with programs for entrepreneurship and skill development. However, a major obstacle to fair access is the digital divide, especially in underserved and rural areas.



Economic empowerment for women is a social necessity, not just a female concern. Empowered women contribute to intergenerational development by making more investments in their children's education, health, and nutrition. Stronger local governance and better social indicators are typically seen in communities with economically engaged women. Therefore, encouraging women's economic empowerment has multiple impacts in the social, political, and economic domains.

Education, employment, financial inclusion, legal reforms, social norms, and technology breakthroughs all play a part in the multifaceted and ever-changing process of women's economic empowerment in India. Even if grassroots movements and official initiatives have achieved great strides, ongoing disparities necessitate steadfast dedication and creative solutions. To guarantee that women not only engage in the economy but also prosper as equal players in India's development process, a comprehensive strategy that incorporates skill development, resource access, institutional support, and gender-sensitive governance is crucial.

Overview of Skill Development Initiatives for Women in India

Over the past 20 years, policymakers in India have given skill development programs for women a lot of attention because they understand how important it is to give them marketable skills in order to improve their employment, income generation, entrepreneurship, and general socioeconomic standing. Targeted skill development programs seek to close the gap between women's potential and their actual participation in the labor market in a nation characterized by gender-based inequality, rural-urban inequities, and demographic diversity. The establishment of the Skill India Mission in 2015, which aims to train millions of youth in industry-relevant skills with a particular focus on women, underprivileged groups, and rural populations, has been a significant milestone in this direction.

The Pradhan Mantri Kaushal Vikas Yojana falls under this category and offers short-term training, certification in line with the National Skills Qualification Framework, and recognition of prior learning. This allows women to obtain formal recognition for their skills in industries like information technology, retail, healthcare, clothing, and beauty and wellness. In support of this endeavor, the Deen Dayal Upadhyaya Grameen Kaushalya Yojana offers placement-linked skill training intended to promote wage employment in organized sectors, with a focus on rural youth from low-income households, including a sizable percentage of women. Furthermore, by promoting public-private partnerships, accrediting training providers, encouraging corporate involvement, and guaranteeing quality standards in vocational



education, the National Skill Development Corporation plays a critical role in increasing access to a variety of skill ecosystems throughout states.

In addition to offering vocational training in tailoring, food processing, handicrafts, and agriculture-based activities, self-help groups (SHGs) under the National Rural Livelihoods Mission have developed into effective platforms for skill enhancement, microenterprise development, financial literacy, and collective bargaining for rural women. These groups also connect women to microcredit, marketing networks, and government procurement systems. Initiatives like the Deendayal Antyodaya Yojana-National Urban Livelihoods Mission, which provides self-employment support, entrepreneurship support, and skill training through skill centers and community-based organizations, are beneficial to urban women, especially those from economically disadvantaged segments. To address women's underrepresentation in non-traditional fields, sector-specific programs have also been implemented. For example, technical training in electronics, renewable energy, plumbing, and automotive services encourages women to pursue higher-paying professions that have historically been dominated by men, thus challenging occupational segregation.

With programs like Pradhan Mantri Gramin Digital Saksharta Abhiyan concentrating on enhancing digital literacy among rural households, particularly women, enabling them to access online services, digital payments, e-commerce platforms, and remote work opportunities, digital empowerment has become a crucial part of skill initiatives. Additionally, through training in business planning, marketing tactics, and financial management, entrepreneurship development programs funded by financial institutions and ministries support women-led startups. These programs frequently combine with financial inclusion initiatives like Pradhan Mantri Mudra Yojana to offer micro and small businesses loans without collateral. Through the creation of community-based training modules, mentorship, and market connections, non-governmental organizations, corporate social responsibility (CSR) programs, and international development agencies make a substantial contribution to women's skill development outside of government efforts. Rather than relying solely on isolated training interventions, many NGOs use cluster-based approaches that integrate production, branding, and distribution to ensure sustainable income generation.

The need to match skill training with regional industrial strengths and value chains is reflected in the state governments' implementation of region-specific programs that are suited to local economic contexts. Examples of these programs include textile clusters in Tamil Nadu, handloom and handicraft initiatives in the Northeast, dairy cooperatives in Gujarat, and agro-processing units in Maharashtra.



Significantly, in order to improve women's confidence, communication skills, and preparedness for the workforce, modern skill development programs are increasingly emphasizing not only technical competencies but also soft skills, financial literacy, legal awareness, and life skills training. These all-encompassing approaches acknowledge that empowerment involves social and psychological aspects in addition to financial gains.

Although there are still difficulties in tracking long-term results and addressing high dropout rates brought on by domestic responsibilities, mobility restrictions, and social norms, monitoring and evaluation mechanisms have been progressively strengthened to assess placement rates, income improvements, and the sustainability of enterprises. Although a number of programs have included gender-sensitive strategies to increase women's participation, such as the provision of residential facilities, safe transportation, childcare assistance, and flexible training schedules, infrastructure and cultural barriers still restrict access in rural and traditional areas. Unfair access to smartphones, internet connectivity, and digital skills highlights the ongoing digital divide, but the incorporation of technology-enabled learning platforms, such as online modules and blended training models, has increased access, especially since the COVID-19 pandemic brought attention to the need for remote skilling solutions.

In order to encourage employability, entrepreneurship, and financial independence, the central and state governments, business partners, civil society organizations, and community institutions collaborate in a multi-layered strategy that is reflected in India's skill development initiatives for women. Although there has been noticeable progress in expanding the number of women enrolled in training programs and opening doors to a variety of economic sectors, ongoing work is needed to guarantee high-quality training, industry alignment, market connections, and post-training assistance to convert skills into steady employment. Thus, skill development programs are a vital component of India's larger strategy for women's economic empowerment, acting as a catalyst for gender equality and inclusive growth as well as a tool for reducing poverty.

Impact of Skill Training on Employment and Income Generation

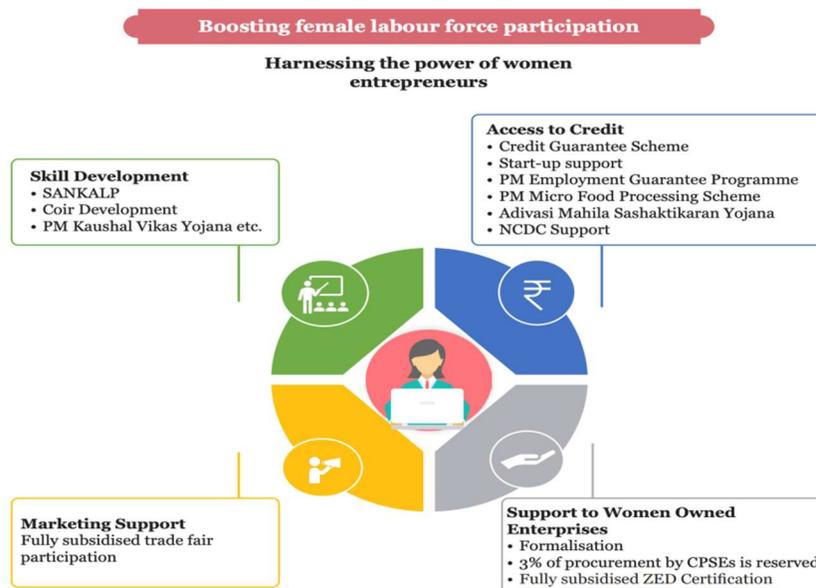
In emerging countries like India, where structural hurdles frequently limit access to formal labor markets, skill training plays a transformative role in improving employment possibilities and income generation, especially for women. Vocational and technical training programs help women move from unpaid or informal jobs to more stable and lucrative occupations by providing them with market-relevant competencies. The Skill India Mission's initiatives have greatly increased access to accredited training



in a variety of industries, including healthcare, retail, hospitality, textiles, information technology, beauty, and wellness. This has improved women’s chances of finding wage work and working for themselves. In addition to validating learned abilities, certification boosts one’s credibility in competitive employment markets, improving one’s chances of landing a formal sector position and negotiating a better salary.

Particularly aimed at rural women from economically disadvantaged families, placement-linked programs such as the Deen Dayal Upadhyaya Grameen Kaushalya Yojana provide formal avenues into organized employment and lessen reliance on seasonal agricultural labor. Because of this, a lot of women move from sporadic, low-paying jobs to more reliable sources of income, which immediately enhances household financial security and consumption habits. By promoting the business development skills, financial literacy, and technical know-how needed to launch micro and small businesses, skill training also encourages entrepreneurship. Women’s ability to turn their skills into profitable ventures is further strengthened by credit availability made possible by initiatives like the Pradhan Mantri Mudra Yojana.

Women with training in home-based manufacturing, digital services, handicrafts, food processing, and tailoring often start their own businesses that provide flexibility to reconcile household duties with steady income. Additionally, women now have greater access to online marketplaces, digital payments, and remote employment opportunities because to digital skill initiatives like Pradhan Mantri Gramin Digital Saksharta Abhiyan. This allows them to participate in the gig economy and e-commerce platforms without being limited by geography. Increased income has a multiplier impact that goes beyond individual beneficiaries; women’s earnings are frequently spent in housing, healthcare, education, and nutrition for their children, promoting intergenerational development and reducing poverty.





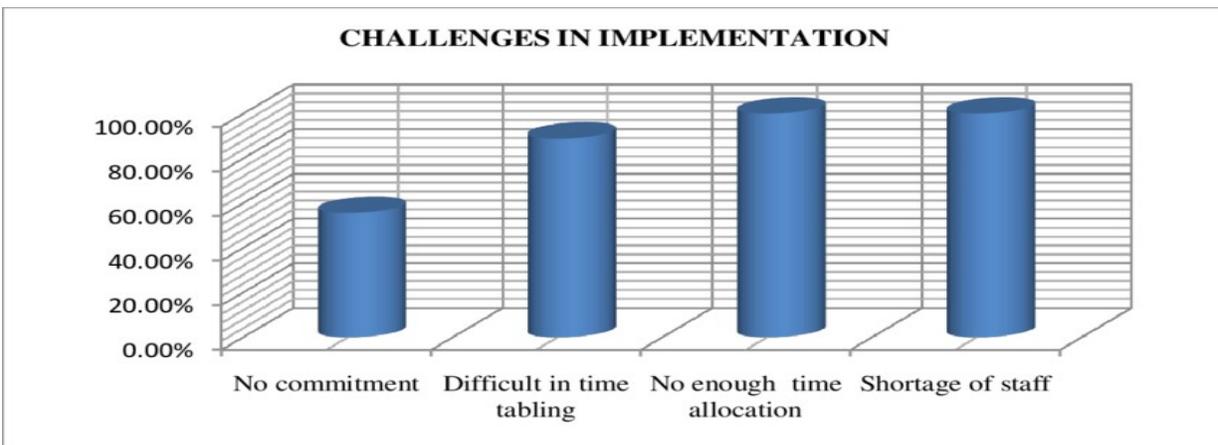
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Research shows that women with skills are more financially independent, have more negotiating power in the home, and participate more in economic decision-making, which reflects the wider empowerment effects of earning a living. Additionally, skill development promotes livelihood diversification, which lessens susceptibility to economic shocks like agricultural failure, seasonal unemployment, or market disruptions. Compared to conventional subsistence methods, women who have received training in agro-processing, dairy management, and value-added agricultural operations are better positioned to obtain larger returns within local value chains, boosting profitability in rural areas. Technical and service-oriented training improves social mobility and career advancement opportunities in metropolitan regions by facilitating admission into growing businesses.

Notwithstanding these benefits, there are still obstacles to overcome in order to guarantee high-quality training, industry alignment, and ongoing post-placement support; training that is not in line with market demands may limit employment outcomes, and social constraints like childcare obligations, mobility limitations, and workplace discrimination may have an impact on retention rates. However, the impact on employment and income production becomes far more substantial and sustainable when skill training is combined with supportive measures like market connections, financial inclusion, mentorship, and gender-sensitive infrastructure. Overall, skill development plays a crucial role in promoting women's participation in India's changing economic landscape by acting as a catalyst for economic independence, resilience, and long-term empowerment in addition to improving employability.

Challenges in Implementation of Skill Development Programs

Numerous institutional, structural, and sociocultural obstacles frequently restrict the efficacy and long-term effects of skill development initiatives for women in India. The continuance of patriarchal standards and gender stereotypes, which limit women's mobility, educational options, and involvement in non-traditional occupations, is one of the main obstacles. Families in many rural and semi-urban areas may place a larger priority on early marriage or household duties than on vocational training, which results in lower enrollment and higher rates of female dropout. Social norms and unpaid care responsibilities limit the amount of time and flexibility women may devote to skill development, even in cases where training options are offered through programs like the Skill India Mission.



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Access to high-quality infrastructure and training facilities is another major obstacle, especially in isolated areas with poor transportation, safety, and lodging options. Even though placement-linked programs like the Deen Dayal Upadhyaya Grameen Kaushalya Yojana seek to reach underserved rural communities, effective outreach and long-term involvement are frequently hampered by remote locations and inadequate connection. These problems are made worse by the digital divide, which prevents many women from using smartphones, dependable internet, or digital literacy. As a result, they are unable to take advantage of online or blended learning programs like the Pradhan Mantri Gramin Digital Saksharta Abhiyan.

Concerns about the quality and applicability of training are still very important; in many instances, curricula do not sufficiently match changing market demands, which leads to skill mismatches and poor employability. Without solid industry relationships and ongoing curriculum revisions, trainees might finish courses that don't lead to steady employment or profitable businesses. Furthermore, it is challenging to track long-term results including employment retention, revenue growth, and enterprise sustainability due to insufficient monitoring and evaluation systems. Another obstacle is money; even after learning new skills, many women still do not have access to startup capital, collateral, or formal credit systems. Programs such as the Pradhan Mantri Mudra Yojana offer loans without collateral, but potential recipients are frequently turned off by lack of knowledge and complicated procedures.

Sustained labor market engagement is further discouraged by salary disparities, workplace discrimination, and a lack of opportunity for professional growth. Women's retention in formal employment is also impacted by safety concerns, a lack of childcare options, and a lack of gender-sensitive workplace regulations. Furthermore, ineffective resource use or duplication of effort may result



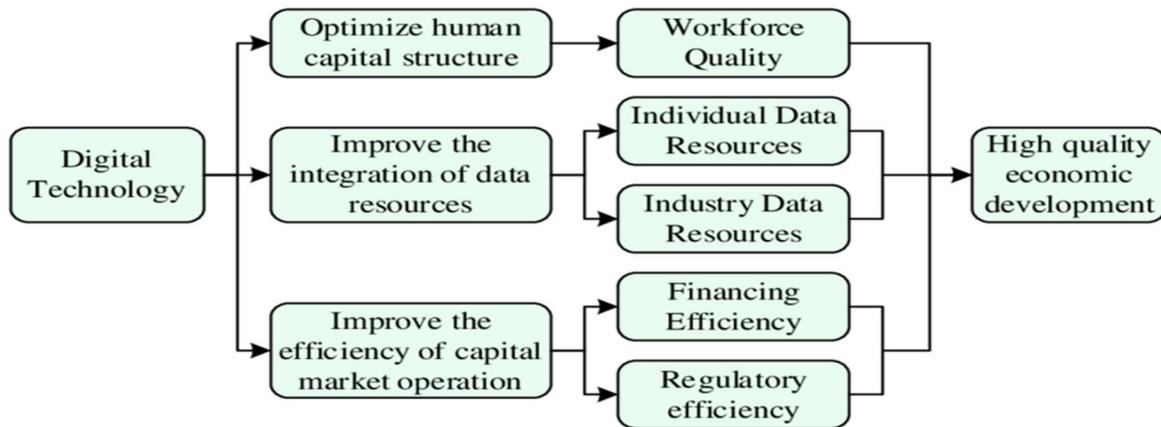
from a lack of coordination between implementing agencies, training providers, funding institutions, and local governance authorities. Diversification of career options is nevertheless constrained by cultural opposition to women pursuing male-dominated industries like construction, electronics, or mechanical skills. Understanding and learning results during training may also be impacted by marginalized women's low baseline educational levels and language obstacles.

Lastly, underemployment or a return to low-paying, informal work are frequently the outcomes of inadequate post-training support, which includes mentorship, market connections, and ongoing skill development. To ensure their successful implementation and long-lasting impact on women's economic empowerment, skill development programs must address these complex issues through gender-responsive planning, improved infrastructure, increased industry collaboration, financial inclusion, and community sensitization. These initiatives have the potential to be transformative.

Role of Technology and Digital Skills in Enhancing Economic Opportunities

In an age characterized by knowledge-based economies and rapid digital transformation, technology and digital skills have become potent catalysts for expanding economic prospects for women in India. Women can overcome conventional obstacles including regional isolation, mobility limitations, and restricted market access by combining digital literacy with skill development programs. The proliferation of cellphones, internet access, and digital payment methods has made it easier for women to engage in online services, e-commerce, freelancing, and remote work.

By increasing broadband access, encouraging e-governance, and bolstering digital infrastructure, government programs like Digital India seek to make India a digitally empowered nation and facilitate women's involvement in the digital economy. In keeping with this goal, initiatives such as Pradhan Mantri Gramin Digital Saksharta Abhiyan work to improve digital literacy in rural households, particularly for women, by giving them the tools they need to use computers, access the internet, and be aware of online services. These digital skills increase women's economic and social empowerment by enabling them to independently access government programs, internet banking, telemedicine, and educational materials.



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By giving women access to markets outside of their local communities, digital skills also support entrepreneurship. Women entrepreneurs can offer goods including textiles, processed foods, handicrafts, and home-based services to local, national, and even international consumers by using social media and online marketplaces. Online payment Digital and mobile banking have made financial transactions easier, decreased reliance on cash, and improved business operations' security and transparency. Furthermore, remote work options in fields like data entry, digital marketing, online teaching, content development, and customer assistance have increased job alternatives for women who might otherwise be limited by cultural conventions or family duties. Flexible working hours are made possible by technology-enabled gig platforms, which help women better manage their personal and professional responsibilities.

Digital technology also improves mentorship, training, and information availability. Virtual training modules and online learning platforms offer chances for ongoing skill improvement, enabling women to adjust to changing needs in the work market. This is especially important in developing industries where specialized skills pay more, such digital services, financial technology, and information technology. Additionally, by enabling direct benefit transfers, online savings, and microcredit access, digital inclusion strengthens women's control over financial resources and increases financial independence.

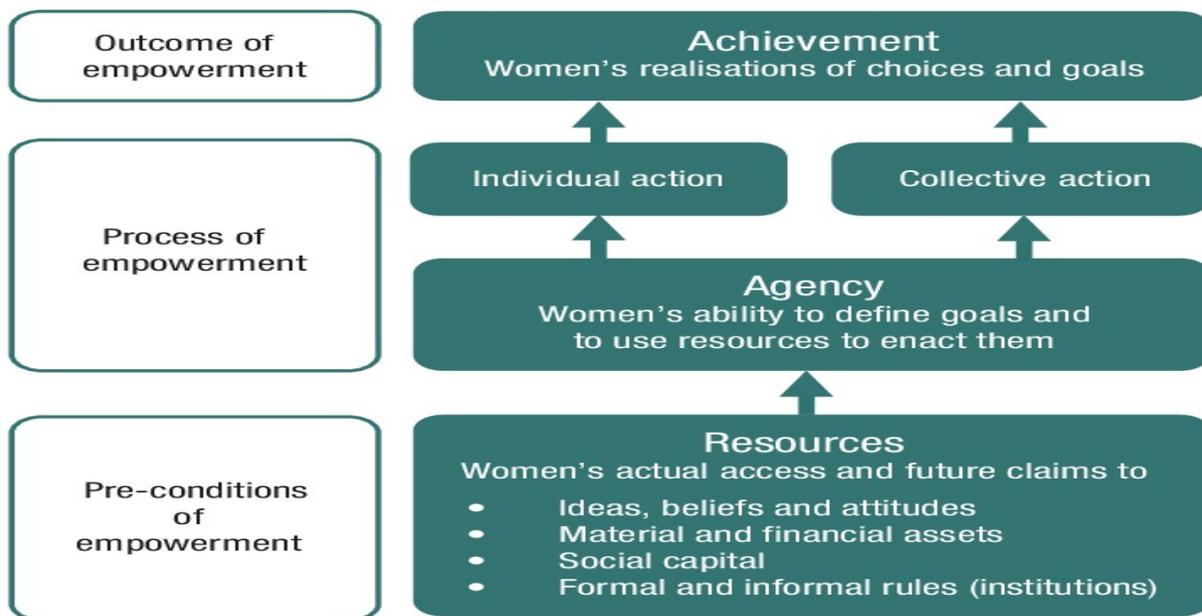
The digital gap is still a serious problem, though, particularly in underserved and rural areas where full participation is hampered by low digital literacy, restricted internet access, and financial constraints. To fully realize the transformative potential of technology, these gaps must be addressed through gender-sensitive digital training, affordable devices, and targeted infrastructure investment. Digital empowerment is a key component of women's economic growth in modern India since the integration of



technology and digital skills not only improves employment opportunities and entrepreneurial potential but also fosters financial inclusion, autonomy, and resilience.

Policy Recommendations and Future Directions

A comprehensive, gender-responsive, and market-oriented strategy is required for effective policy recommendations and future tactics for bolstering skill development programs targeted at women’s economic empowerment. First, through ongoing cooperation with companies, sector skill councils, and organizations like the National Skill Development Corporation, policymakers should guarantee a more robust alignment between training curricula and industry demands. Frequent labor market assessments can assist in introducing new technologies, updating course materials, and encouraging women to enter high-growth industries including financial technology, digital services, sophisticated manufacturing, and renewable energy. Second, investing in decentralized training infrastructure, secure transportation, residential amenities, and community-based skill centers is necessary to increase access in rural and distant areas, especially through programs like the Skill India Mission. Women’s engagement and retention would be further improved by incorporating flexible training times and childcare assistance.



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To ensure that trained women can convert their skills into viable businesses, financial inclusion must also be expanded through streamlined financing procedures, financial literacy initiatives, and improved convergence with programs like the Pradhan Mantri Mudra Yojana. To avoid underemployment and



guarantee long-term financial security, post-training support systems—such as market connections, mentorship, incubation services, and help with digital marketing—are crucial. Furthermore, increasing digital empowerment should be a top priority. Women may now fully engage in the digital economy with to broadband connection, reasonably priced gadgets, and cutting-edge digital training provided by frameworks in line with Digital India.

In order to evaluate long-term employment outcomes, income growth, enterprise sustainability, and social empowerment metrics in addition to enrollment and certification rates, monitoring and evaluation methods must be strengthened. Disaggregated data by caste, socioeconomic position, gender, and geography can be used to pinpoint gaps and improve focused interventions. To dispel gender stereotypes, support families, and encourage women to work in non-traditional trades, public awareness campaigns and community sensitization initiatives are equally crucial. Lastly, a more thorough framework for empowerment can be developed by strengthening public-private partnerships, encouraging innovation in skill delivery models, and incorporating life skills, leadership development, and legal awareness into vocational programs. India can guarantee that skill development programs develop into long-term engines of economic growth and gender equality in the upcoming decades by implementing inclusive, technology-driven, and evidence-based policies.

Conclusion

Through improving employment, encouraging entrepreneurship, and bolstering financial independence, skill development programs have become an essential tool for furthering women's economic empowerment in India. The National Skill Development Corporation's implementation assistance and the Skill India Mission's initiatives have greatly increased women's access to industry-aligned and vocational training in both rural and urban areas. Financial inclusion initiatives like the Pradhan Mantri Mudra Yojana and placement-linked initiatives like the Deen Dayal Upadhyaya Grameen Kaushalya Yojana have further empowered women to convert learned skills into long-term jobs and business growth. Additionally, by making online markets and services more accessible, digital inclusion programs in line with Digital India have increased economic participation.

Even with quantifiable advancements, the digital divide, talent gaps, restricted market connections, and enduring sociocultural hurdles still prevent complete results. Therefore, it is crucial to take a complete and gender-responsive approach that incorporates mentorship, financial access, digital literacy, high-quality training, and supportive policy frameworks. National initiatives can be better aligned with



inclusive growth goals by strengthening convergence with international commitments like the Sustainable Development Goals of the United Nations. In the end, consistent funding and well-coordinated execution will guarantee that skill development turns into a revolutionary route for long-term economic empowerment and gender equality in India.

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