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# Microfinance interventions: Bridging the gap towards sustainable development goals (SDGs)

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**Abstract**
The Sustainable Development Goals (SDGs), adopted by UN Members, aim to address global challenges such as peace, prosperity, environmental protection, and poverty eradication by 2030. Microfinance Institutions (MFINs) play a crucial role in providing banking and financial services to remote populations, directly contributing to SDG achievement. This paper focuses on five key SDGs-No Poverty, Quality Education, Gender Equality, Clean Water & Sanitation and Decent Work & Economic Growth-which are closely linked to microfinance. The growth of MFINs, as evidenced by the increasing Gross Loan Portfolio (GLP), underscores their significance in advancing these goals. This study examines how microfinance practices in India can help achieve these SDGs.

**Keywords:** Sustainable development goals (SDGs), microfinance institutions (MFINs), no poverty

## Introduction

Microfinance has emerged as a powerful tool for addressing financial exclusion and poverty, particularly in low-income and developing regions (Armendáriz de Aghion & Morduch, 2010) [5]. It involves the provision of financial services, including credit, savings, insurance, and remittances, to individuals who lack access to traditional banking services (Morduch, 1999) [18]. By empowering marginalized communities with access to financial resources and services, microfinance aims to promote economic inclusion, improve livelihoods, and foster sustainable development (CGAP, 2007).

The significance of microfinance lies in its ability to reach the unbanked and underserved populations who are often excluded from the formal financial system due to various barriers such as lack of collateral, remote location, or low income (Banerjee & Duflo, 2019) [6]. By providing small loans and other financial services tailored to the needs of these populations, microfinance enables them to start or expand small businesses, invest in education and healthcare, and build assets to weather economic shocks (Kabeer, 2001) [11].

Introducing the Sustainable Development Goals (SDGs) is crucial in understanding the broader context within which microfinance operates. The SDGs, adopted by the United Nations in 2015, provide a comprehensive framework for addressing global challenges, including poverty, hunger, inequality, education, healthcare, and environmental sustainability (United Nations, 2015). Comprising 17 goals and 169 targets, the SDGs set ambitious targets to be achieved by 2030, aiming to create a more inclusive, equitable, and sustainable world for all. In this research paper, we aim to explore the role of microfinance in India and its alignment with the Sustainable Development Goals. Specifically, we seek to analyze the impact of microfinance on various dimensions of sustainable development, including poverty alleviation, gender equality, access to education, clean water and sanitation, and economic empowerment.

By focusing on the intersection of microfinance and the SDGs, this research aims to contribute to a deeper understanding of how financial inclusion can be leveraged to address broader development challenges and advance progress towards a more equitable and sustainable future in India.

## Review of Literature

This literature survey provides an overview of microfinance and its contribution to achieving the Sustainable Development Goals (SDGs). Microfinance has been found to contribute to social inclusion, gender equality, entrepreneurship, environmental sustainability, and poverty alleviation. However, more research and analysis in these areas are necessary to establish effective microfinance plans that support sustainable development goals.

1. **Microfinance and Poverty Alleviation:** One of the primary benefits of microfinance is that it provides low-income individuals and small businesses with access to financial resources, thereby reducing poverty. Numerous studies (Kumar, P., 2020 & Agarwal, Y., 2016) [13] have highlighted the positive impact of microfinance in reducing poverty.
2. **Microfinance and Gender Equality:** Microfinance has played a significant role in promoting gender equality, making it one of its remarkable achievements. Studies have shown that when women have access to financial resources, they tend to invest in their families' and communities' well-being, which ultimately leads to an improvement in healthcare and education (Kabeer, 2005; Duflo, 2012) [12, 8]. This advancement contributes to several Sustainable Development Goals (SDGs), including SDG 1 (No Poverty), SDG 4 (Quality Education), and SDG 5 (Gender Equality).
3. **Microfinance and Entrepreneurship Development:** Microfinance encourages entrepreneurship among underprivileged communities by supporting the growth of small businesses through small loans and financial literacy training. This support has a positive impact on SDG 8 (Decent Work and Economic Growth) by creating job opportunities and boosting local economies.
4. **Challenges in Microfinance Implementation:** Microfinance has obstacles in spite of its potential. Its efficacy may be hampered by low financial literacy, high interest rates, and weak regulatory frameworks (Nugroho, L., & *et al*. 2017; Nagaraju, R. C., & V. 2016) [19, 20]. It is imperative to tackle these obstacles in order to guarantee that microfinance endeavors are in line with the wider objectives of the Sustainable Development Goals.
5. **Microfinance and Environmental Sustainability:** The relationship between microfinance and environmental sustainability has been studied recently. Sustainable agriculture and renewable energy projects are two examples of initiatives that support environmentally friendly practices and show how microfinance can help achieve SDG 13 Climate Action and SDG 7 Affordable and Clean Energy (Atahau, A. D. R., Huruta, A. D., & Lee, C. W. 2020) [3]. To achieve holistic sustainable development, microfinance programs must incorporate environmental factors.

### Objectives
The primary objectives of this paper are as follows.

1. To know concepts of Microfinance and Sustainable Development Goals (SDGs)
2. To identify the linkage between Microfinance and SDGs.

### Research Methodology
The present study is Exploratory in nature. It includes secondary data compiled from various sources like MFINs' annual report, RBI's annual report and other publications.

### Concepts of Microfinance and their functioning in India
Microfinance refers to the provision of basic financial services, specifically deposit and credit alternatives, to impoverished communities. The goal is to empower financially disadvantaged individuals by offering accessible and personalized financial solutions. Additionally, it aims to encourage entrepreneurship and financial inclusion among underserved segments of society. Nobel Prize winner Muhammad Yunus developed microfinance to assist the economically disadvantaged by providing them with the capital required to start a business and achieve financial independence. Microfinance loans are significant because their debtors have no collateral to offer. Due to the high risk of default and significant servicing costs, microfinance institutions charge much higher interest rates than commercial banks (Sonkar, S. & Vishwakarma, D., 2021) [14]. Microfinance is a term that encompasses microloans, microsavings, and microinsurance. Microfinance institutions (MFINs) offer small loans and other financial resources to support new business owners and entrepreneurs in getting started. These organizations aim to provide financial services to disadvantaged members of society who were previously excluded from formal financial systems. Non-banking financial institutions (NBFIs) and banks are regulated by the Reserve Bank of India (RBI), while the National Bank for Agriculture and Rural Development (NABARD), the Registrar of Cooperative Societies (RCs), and Self-Help Groups (SHGs) are responsible for cooperatives (Vishwakarma, D. & Sonkar, S., 2023) [22].

### History of Microfinance Institutions
Microfinance has a long and rich history in India. It was introduced in Gujarat by the Self-Employed Women's Association (SEWA) Bank in 1974 and has since played an important role in providing financial services to a large number of people who have been excluded from the mainstream economy. In 2011, the Malegam Committee made recommendations for the microfinance industry, including a 10% margin cap for NBFC-MFIs with loan portfolios of $1 billion or more, a 12% cap for all NBFC-MFIs, and a 24% cap for individual loans. The final guidelines, announced on December 2, 2011, included a consistent margin cap of 12% for all NBFC-MFIs and a maximum of 26% on individual loans. As of March 31, 2022, the program had benefited 140 million families and 11.9 million Self-Help Groups (SHGs), resulting in significant savings of $472.4 billion. With loans totaling $997.2 billion disbursed for the fiscal year 2021-2022, the credit connection has been incredibly robust. Remarkably, the number of Self-Help Groups (SHGs) connected to credit surpassed 2.9 million in the preceding year. As of that day, 6.74 million SHGs had outstanding credits totaling $1,510.5 billion, or $0.24 million per SHG. Several success stories in this publication demonstrate the transformative impact of even small individual amounts. (Source: India's Microfinance Evolution IBEF) Different prototypes of microfinance institutions have emerged over time, some of which are listed below:

**The Grameen Bank Model:** was introduced by Professor Muhammad Yunus in Bangladesh. It is one of the oldest and most effective forms of microfinance, with the primary goal of expanding the rural economy.

**The Joint Liability Group (JLG) Model:** It is a group of four to ten people who seek loans with shared guarantees. Loans are primarily given for agricultural purposes or similar activities, and the primary debtors are tenants, farmers, and rural workers. Every JLG member is equally responsible for the timely repayment of loans.

**Individual Lending Model:** In this model borrowers receive loans directly from lenders. In this case, MFIs send a representative to each individual to help them understand the entire loan application and repayment process.

**Self-Help Group Model:** Members of self-help groups typically come from similar socioeconomic backgrounds. These owners of small businesses come together for a short period of time to establish a common fund for their operating requirements. The group is in charge of debt collection. The NABARD SHG linkage project is significant in this regard because it enables several Self-Help Groups to apply for bank loans provided they have a track record of timely repayment.

**The Sustainable Development Goals (SDGs)**

The Sustainable Development Goals (SDGs), also known as the Global Goals, are a universal call to action to end poverty, protect the planet, and ensure that all people enjoy peace and prosperity. Adopted by all United Nations Member States in 2015 as part of the 2030 Agenda for Sustainable Development, the 17 SDGs address a wide range of social, economic, and environmental challenges facing the world today, and they are interconnected. Here is a brief overview of these goals.

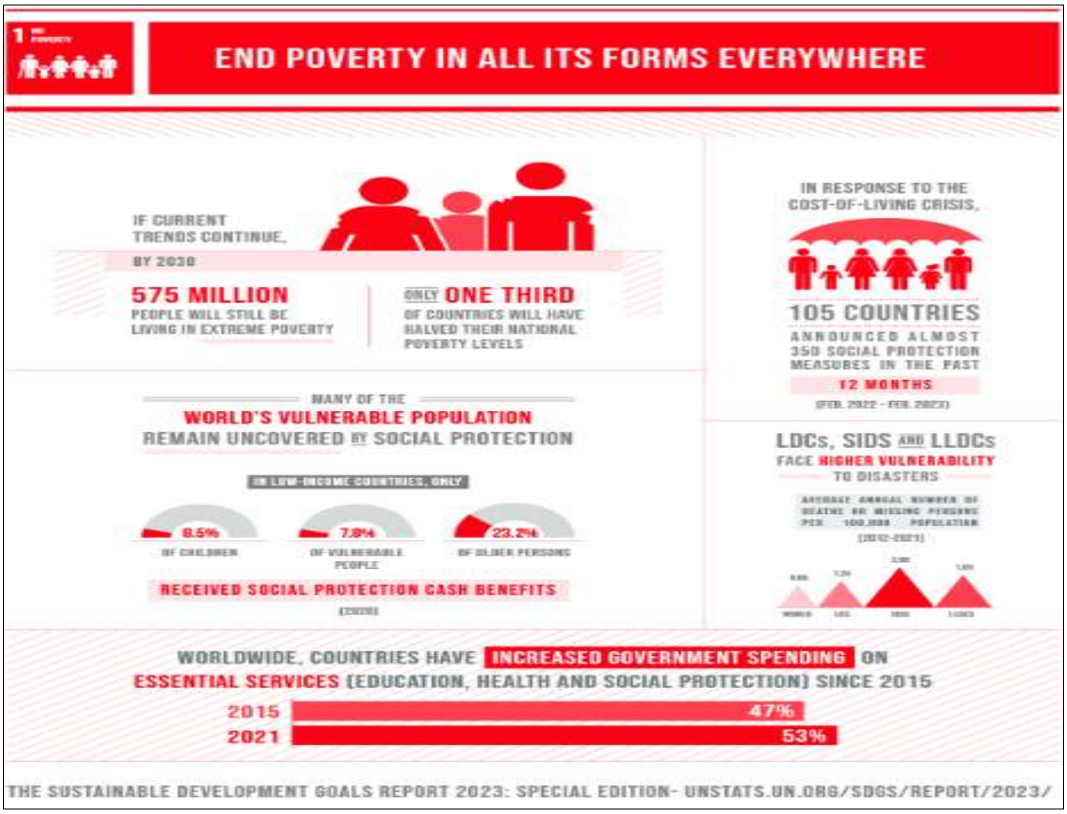
1. **No Poverty:** End extreme poverty in all its forms everywhere.
2. **Zero Hunger:** End hunger, achieve food security and improved nutrition, and promote sustainable agriculture.
3. **Good Health and Well-being:** Ensure healthy lives and promote well-being for all at all ages.
4. **Quality Education:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
5. **Gender Equality:** Achieve gender equality and empower all women and girls.
6. **Clean Water and Sanitation:** Ensure availability and sustainable management of water and sanitation for all.
7. **Affordable and Clean Energy:** Ensure access to affordable, reliable, sustainable, and modern energy for all.
8. **Decent Work and Economic Growth:** Promote sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all.
9. **Industry, Innovation, and Infrastructure:** Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation.
10. **Reduced Inequalities:** Reduce inequality within and among countries.
11. **Sustainable Cities and Communities:** Make cities and human settlements inclusive, safe, resilient, and sustainable.
12. **Responsible Consumption and Production:** Ensure sustainable consumption and production patterns.
13. **Climate Action:** Take urgent action to combat climate change and its impacts.
14. **Life Below Water:** Conserve and sustainably use the oceans, seas, and marine resources for sustainable development.
15. **Life on Land:** Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.
16. **Peace, Justice, and Strong Institutions:** Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable, and inclusive institutions at all levels.
17. **Partnerships for the Goals:** Strengthen the means of implementation and revitalize the global partnership for sustainable development.

These goals represent a shared vision for a peaceful and prosperous coexistence for both people and the planet, encompassing the present and the future. They recognize the interconnection between ending poverty and improving well-being, as well as efforts to enhance healthcare and education, reduce inequalities, promote economic growth, all while addressing climate change and preserving marine and forest ecosystems. Achieving these goals requires coordinated efforts from governments, businesses, communities, and individuals worldwide.

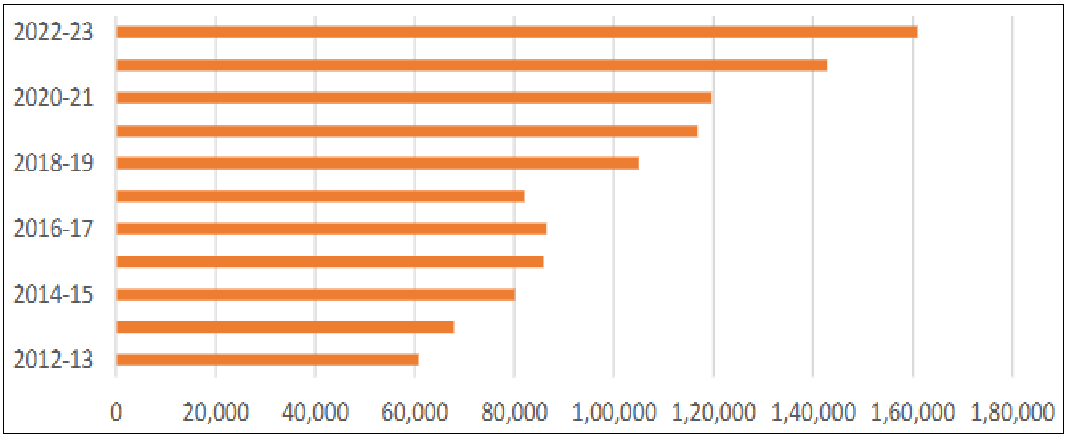
**Linkages between Microfinance and SDGs**

To establish the connection between Microfinance and SDGs, our aim is to explore and acknowledge the correlations, interrelations, and interdependencies between Microfinance Institutions (MFIs) - the provision of financial services to low-income individuals and small businesses - and the Sustainable Development Goals (SDGs) set by the United Nations. The UN has outlined a set of global goals to address various social, economic, and environmental challenges. Essentially, this objective entails investigating how microfinance initiatives and programs contribute to the attainment of specific SDGs, examining how microfinance can serve as a tool to advance the objectives outlined in the SDGs. For example, microfinance can be associated with SDG 1 (No Poverty) by providing financial resources to uplift people from poverty. Similarly, it can support SDG 5 (Gender Equality) by empowering women through access to financial services. To achieve this objective, researchers may conduct detailed analyses of microfinance projects, studying their impacts on poverty alleviation, gender equality, economic development, education, healthcare, environmental conservation, and other areas addressed by the SDGs. By identifying these connections, we aim to provide valuable insights into how microfinance can be optimized and utilized to support the global sustainable development agenda.

**SDG 1: No Poverty:** This goal recognizes poverty eradication as a crucial global challenge and a fundamental prerequisite for sustainable development. India has made significant progress in reducing poverty between 2005-2006 and 2019-2021, as reported in 2022 by the Global Multidimensional Poverty Index, with 415 million individuals lifted out of poverty.




While there are various contributing factors, microfinance institutions play a significant role in poverty reduction by providing the poor with access to financial services that help improve their quality of life, build assets, and protect against external shocks. A study conducted by the National Council of Applied Economic Research (NCAER) found that the microfinance sector created approximately 1.28 crore jobs, with NBFC-MFIs alone accounting for 38.54 lakh of those jobs, representing a substantial portion of the sector's overall job creation. Loan officers, who are integral to the credit delivery model, account for more than 3 lakh individuals in the microfinance industry. These loan officers are often young people from rural areas who are presented with new career opportunities, sometimes immediately after completing their final year of high school. Early access to meaningful employment enables individuals to build confidence, manage their households, improve their job prospects, and pursue further education simultaneously.




***Source***: MFIN

**Chart 1:** MFIs employment

Chart 1 illustrates the employment data provided by Microfinance Institutions (MFINs) from 2012-13 to 2022-23. In 2012-13, these institutions generated a total of 60,754 jobs, which steadily increased over the years to reach 1,61,010 jobs. By offering employment opportunities to the public, MFINs are contributing to poverty reduction, lifting people out of poverty, and fostering self-reliance, thereby aiding India in achieving SDG 1.

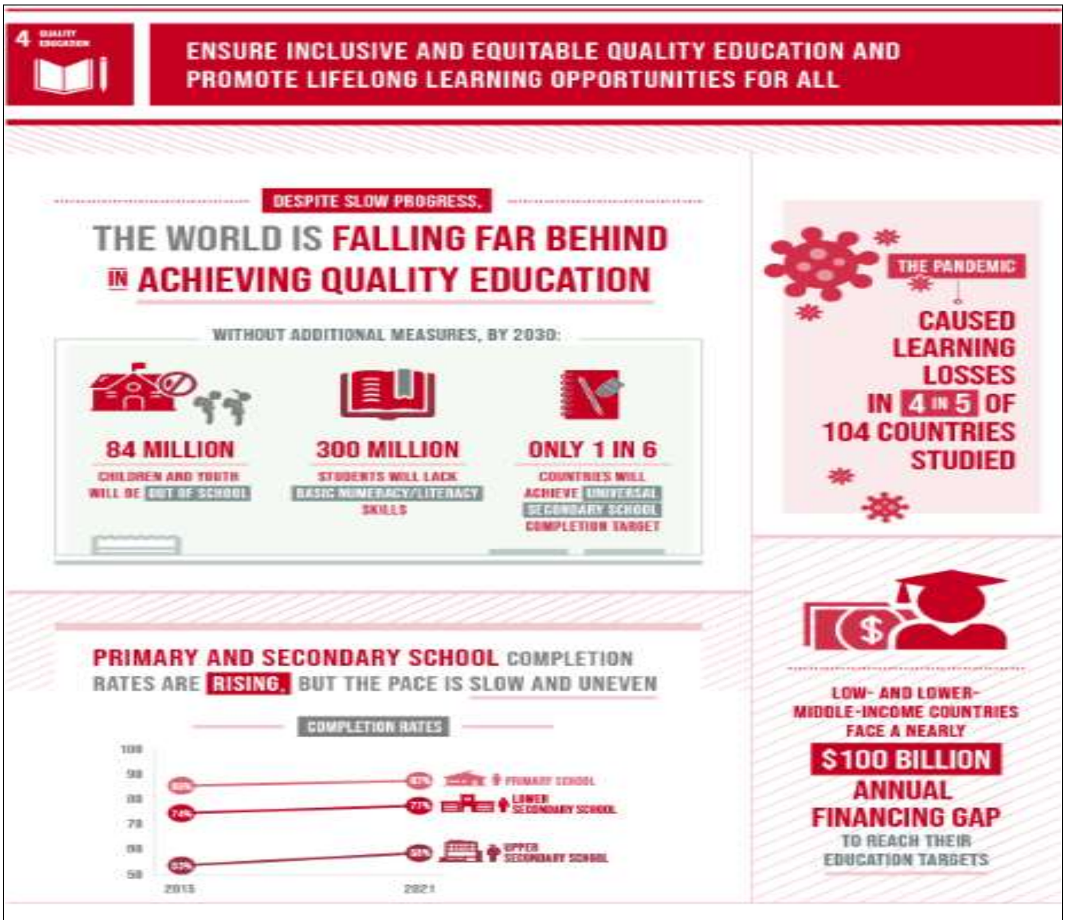
**Contribution to Employment**

1. The NBFC-MFI sector has had a significant impact on employment, with 1.2 lakh jobs created through direct and indirect backward linkages.
2. "Forward linkages" have contributed to 37.34 lakh jobs.
3. Overall, there have been 38.54 lakh jobs created, including backward, forward, and indirect linkages.
4. The microfinance industry as a whole has created 128.46 lakh jobs, including all MFIs and Self-Help

Groups (SHGs), and all direct, indirect, backward, and forward linkages (Source: Page X of the NCAER report on microfinance, 2021).

**SDG 4: Quality Education**

In rural India, microfinance has played a crucial role in promoting financial literacy. The group meeting model employed by microfinance institutions has proven to enhance the financial literacy of female borrowers. This awareness and interest in financial services pave the way for digitalization, facilitating the transition of borrowers towards digital platforms. MFINs play a positive role in achieving the objectives of the Financial Literacy programs initiated by the Reserve Bank of India (RBI). The RBI's initiative adopts a "5Cs" approach to promote financial literacy, focusing on creating relevant Content (such as curriculum in schools, colleges, and training institutes), enhancing the Capacity of intermediaries offering financial services and education, maximizing the benefits of Community-led financial literacy initiatives through effective Communication strategies, and fostering Collaboration among stakeholders.

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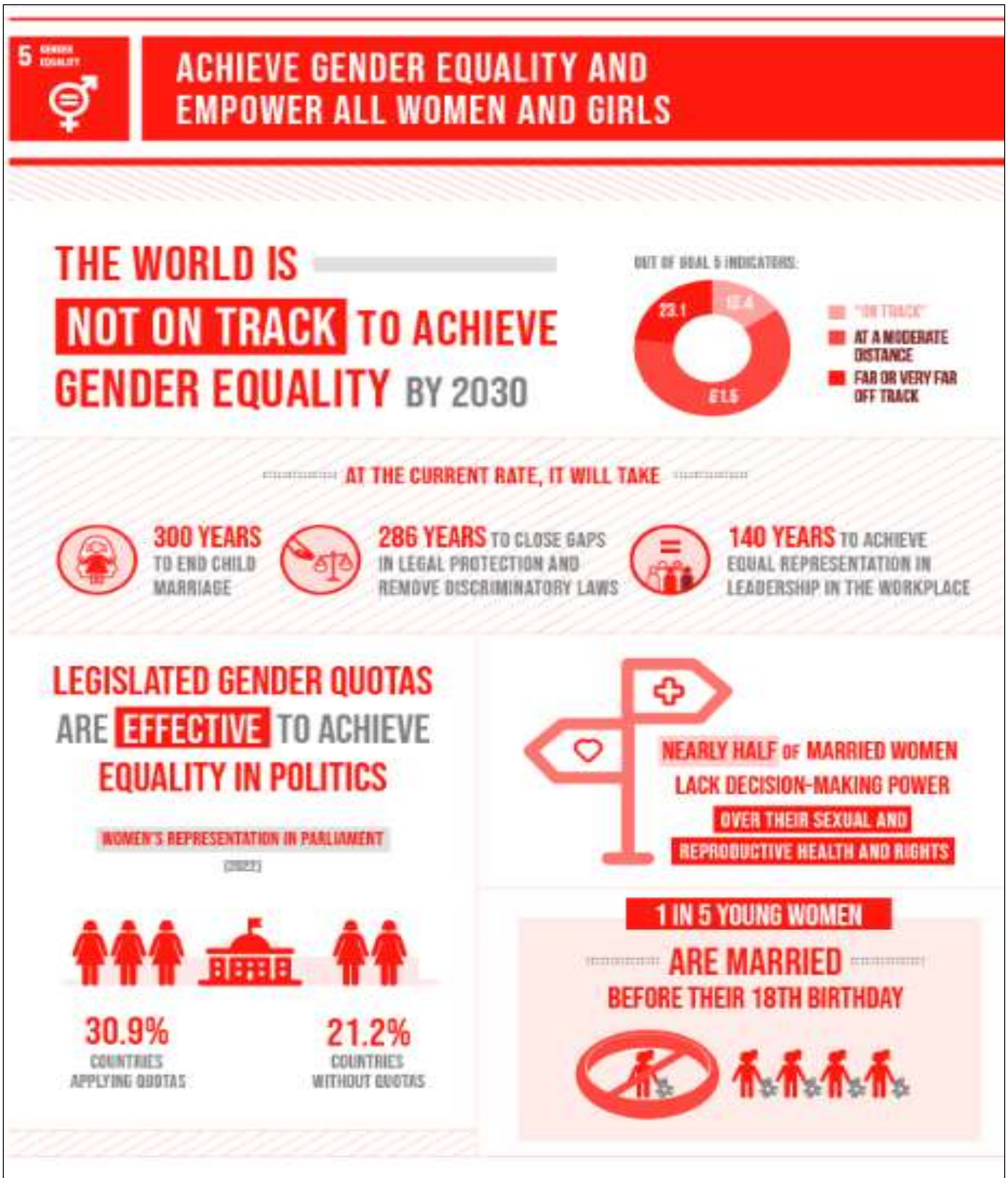
**Observing Financial Literacy Week 2023**

The RBI launched the pilot CFL (Centre for Financial Literacy) project in 2017 in 80 blocks across nine states, with a primary focus on financial literacy at the block level through physical presence. In 2019, the project expanded to include 20 tribal or economically underdeveloped blocks. As of December 2022, there were 1,478 financial literacy centers (FLCs) nationwide. These FLCs conducted a total of 1,10,081 financial literacy programs during the 2022-2023 year (Source: RBI Bulletin on National Strategy on Financial Education 2020-25). MFINs play a crucial role in achieving this goal set by the RBI.

Observing Financial Literacy Week 2023, the Reserve Bank initiated Financial Literacy Week (FLW) to raise public awareness on critical issues through an annual campaign focusing on various segments of the population. The FLW was observed from February 13-17, 2022-2023, under the theme "Good Financial Behavior -Your Saviour," with a focus on promoting awareness on saving, planning, budgeting, and responsible use of digital financial services. MFINs and banks were encouraged to educate their clients and the wider public during this week. MFINs' capacity-building initiatives have been instrumental in continually emphasizing the importance of skill-improving training for a sustainable lifestyle. MFINs organize various workshops and programs to educate people, particularly in rural areas, thereby increasing financial literacy. As most MFINs operate to bridge the financial gap for rural people, educating them about financial terms can lead to financial inclusion of marginalized populations, contributing to balanced development. Programs such as "SKILLING AND FINANCIAL LITERACY WORKSHOPS" aim to improve financial literacy among rural populations. Village groups serve as platforms for sharing knowledge about financial literacy, with practical implications for policymakers and microfinance bank management.

**SDG 5: Gender Equality:** SDG 5 is crucial as empowering women and promoting gender equality are not only fundamental human rights but also essential for creating a peaceful, prosperous, and sustainable global community. Gender equality is vital for social progress, economic growth, and poverty eradication. Ensuring equal opportunities for women and girls in all aspects of life requires dismantling stereotypes, combating discriminatory practices, and promoting the aforementioned. In today's digitally advanced society, financial inclusion and digital literacy are closely intertwined. Women, who represent the final frontier of a rapidly digitizing industry, are adept at utilizing technology to access services. The transformation in cell phone ownership, information access, and decision-making among rural women is highly promising. Women applying for loans are becoming familiar with online platforms. Their willingness to embrace online credit acknowledgment or repayments signifies their comfort with technology.

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The microfinance delivery model is predominantly focused on women. Through Joint Liability Groups (JLGs), microfinance services are primarily extended to women, empowering them as household heads and enabling them to manage their households. With the help of microfinance, low-income women can generate income and achieve financial independence, giving them more decision-making power within their families and communities. As a result, microfinance has the potential to reduce gender inequality. Microfinance institutions (MFIs) support women's empowerment through technology and by providing equal access to financial and economic resources.

According to Micrometre, a publication of the Microfinance Institutions Network (MFIN), data from 53 NBFC-MFIs for the third quarter of FY 22-23 indicated that 99% of loans given to women were disbursed through cashless transactions. Cashless collections in the third quarter of FY 22-23 increased to 11% from 9% in FY 21-22. The expansion of microfinance can significantly benefit women and Micro, Small, and Medium Enterprises (MSMEs) owned by women. As per the National Family Health Survey (NFHS) 2019-21, 51% of women are aware of microcredit loans, and 11% have applied for one. Women can achieve financial independence by having a greater say in household financial matters. In India, there are currently 13.5-15.7 million women business owners, with more than 95% of them operating micro-enterprises. Research by the International Finance Corporation (IFC) in 2022 indicates an unmet credit need of Rs. 836 billion for Women-Owned Very Small Enterprises (WVSEs), which MFIs are addressing.

**SDG 6: Clean water and sanitation:** Over the past decade, lending for Water, Sanitation, and Hygiene (WASH) purposes has experienced remarkable growth. Financial institutions have reached a pivotal juncture where this avenue holds immense potential to address pressing issues such as climate change and gender equity through household and Micro, Small, and Medium Enterprise (MSME) finance.

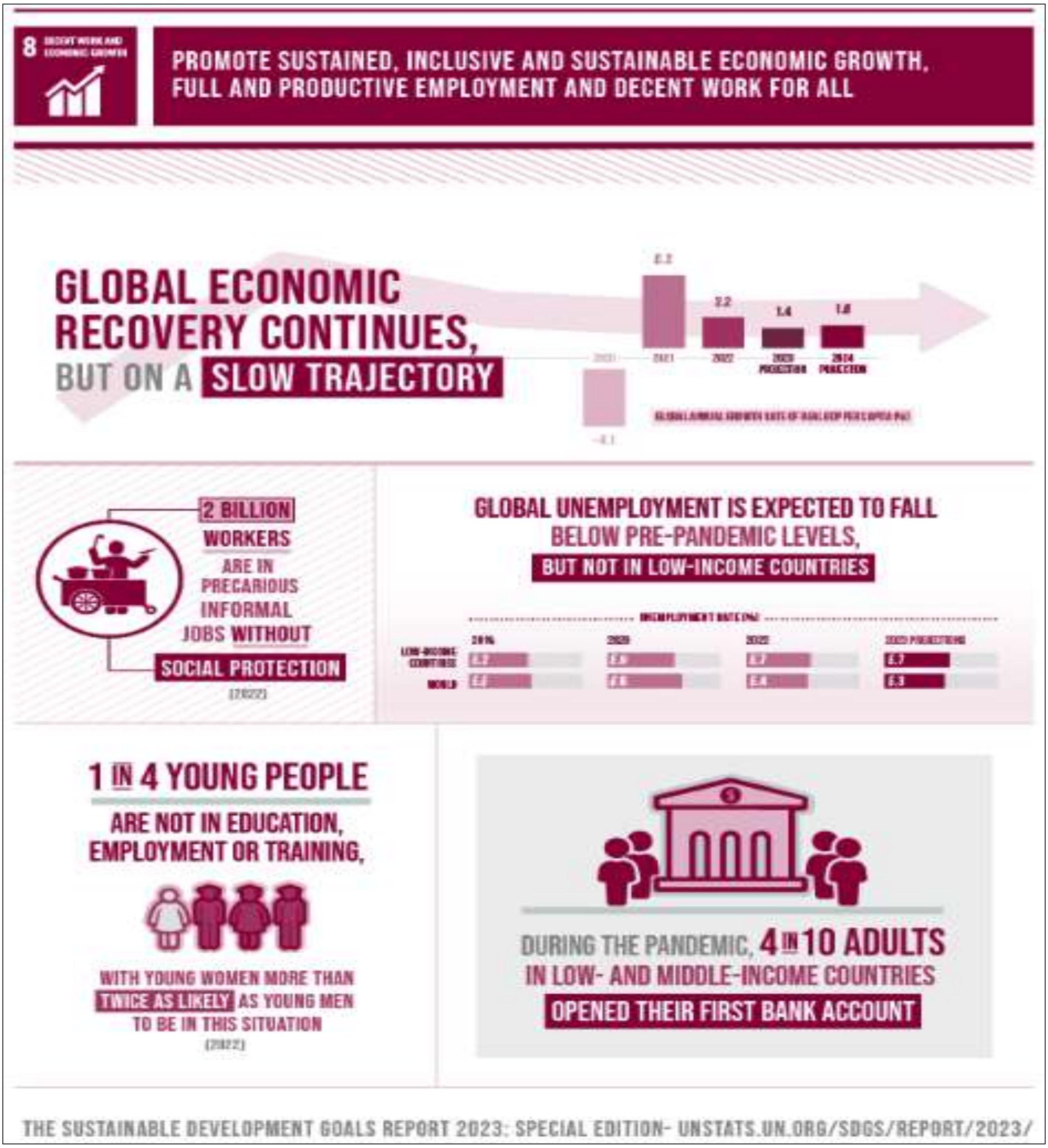
According to the World Bank, the current financing gap for achieving universal access to safely managed water and sanitation stands at $85 billion. This underscores the urgent need to mobilize household financing to bridge the gap. Microfinance institutions have been at the forefront of collaborating with other entities to extend water and sanitation loans to tackle this shortfall.

For instance, Water.org has emerged as a key player in providing essential technical support to devise innovative finance solutions to meet the rapidly evolving demand in this sphere. Their transformative approach has significantly impacted the landscape. In India alone, as of March 2023, over 21 million people gained access to safe water or sanitation through initiatives facilitated by Water.org partners. These efforts included the disbursal of 4.8 million water and sanitation loans, with 83% of beneficiaries residing in rural areas. The positive ripple effects of these loans are palpable, transforming living conditions and contributing significantly to Sustainable Development Goal 6 - Clean Water and Sanitation. Moreover, the impacts extend beyond SDG 6, influencing progress across various other SDGs.


THE SUSTAINABLE DEVELOPMENT GOALS REPORT 2023: SPECIAL EDITION- UNSTATS.UN.ORG/SDGS/REPORT/2023/

**SDG 8: Decent Work and Economic Growth**

This goal focuses on achieving sustainable economic growth and decent work, emphasizing the need to tailor economic progress to individual countries' needs and ensure equitable distribution of its benefits. It promotes diversification, technological innovation, and policy support to achieve productive employment, particularly for youth and women, fostering dynamic economies. By emphasizing sustainable consumption, waste reduction, and resource efficiency, it aims to decouple economic growth from environmental harm. SDG 8 advocates for safe working conditions, equal opportunities, and the elimination of forced labor and human trafficking, promoting inclusive and fair societies. Recognizing decent work as a cornerstone for sustainable development, it is essential for poverty reduction and social inclusion, enhancing living standards, and fostering just communities.




MFINs are actively aligning their activities to contribute to these goals. Microfinance allows businesses to invest in their operations and purchase new equipment. Many business owners have expanded their businesses, creating jobs and boosting production and income. These microenterprises play a crucial role in supporting the local economy.

MFINs have created a television commercial highlighting women entrepreneurs, showcasing their challenges and the positive impact of collateral-free loans on their businesses. According to a study by the National Council of Applied Economic Research (NCAER) titled "Present and Potential Contribution of Microfinance to India's Economy," the microfinance industry has generated approximately 1.28 crore jobs, with NBFC-MFIs contributing significantly with 38.54 lakh jobs. The sector employs over 3 lakh individuals, including loan officers who are central to the credit delivery model. The microfinance sector takes pride in its ability to empower local youth and create lucrative job opportunities, encouraging them to contribute actively to the country's economic growth. MFINs are also providing direct employment opportunities through Mega Job Fairs. The majority of MFIN clients are young entrepreneurs and Self-Help Groups (SHGs) that have established their own businesses. Chart 2 shows the Gross Loan Portfolio (GLP) of MFIN.

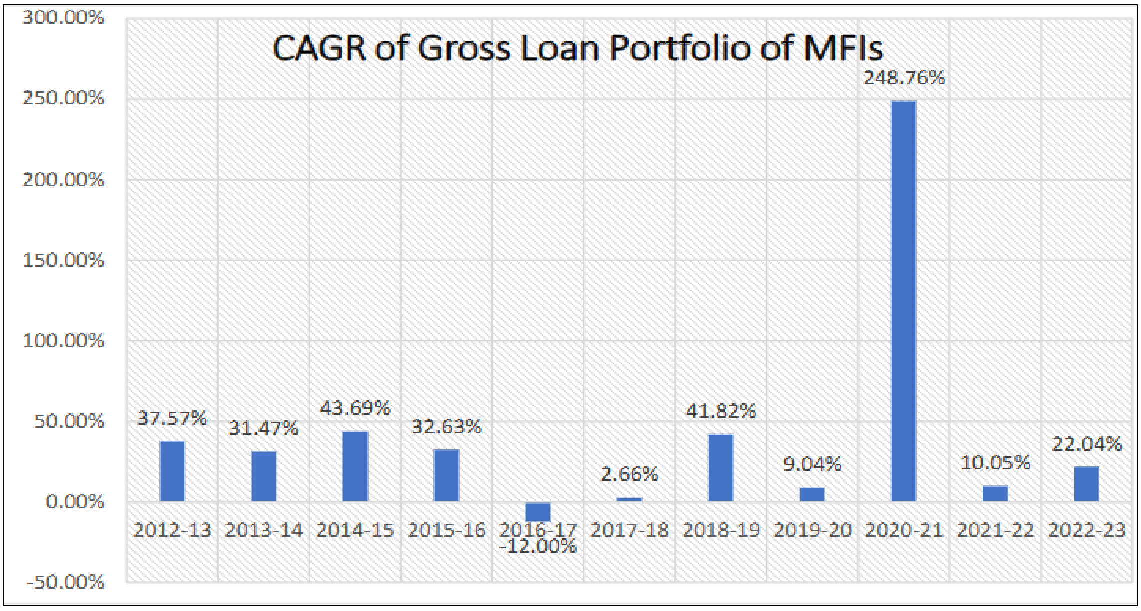



**Chart 2:** CAGR of gross loan portfolio MFIs

The growth of Gross Loan Portfolio (GLP) has been calculated over 11 years using Compound Annual Growth Rate (CAGR) based on data compiled from the Annual Reports available on the MFIN website. The trend analysis indicates consistent growth in GLP over the past decade, with the highest growth observed in FY 2020-21 despite the challenges posed by the COVID-19 pandemic. This growth pattern reflects the positive impact of MFINs' financial products in enabling individuals to become self-sufficient, thus contributing to India's progress towards achieving the goals set for Agenda 2030.

The growth of MFINs is closely linked to the Gross Value Added (GVA) of the economy, and they are making a significant positive contribution to it. According to the National Council of Applied Economic Research (NCAER) report on microfinance in 2021, the NBFC-MFI sector's contribution, including both direct and indirect backward linkages, is 0.08 percent. The "forward linkages" have an impact of 0.53 percent on the country's GVA. When considering all direct, indirect, backward, and forward linkages, the contribution to the national GVA stands at 0.61 percent. The collective contribution of all MFIs and Self-Help Groups (SHGs) to the GVA is 2.03 percent.

These figures are significant as they highlight the substantial contribution of the financial sector, including insurance and microfinance, to the GVA. In the fiscal year 2018-19, this sector contributed 5.5 percent to the Gross Value Added.

## Conclusion

The relationship between Sustainable Development Goals (SDGs) and microfinance is integral in the fight against poverty, the promotion of economic growth, and the advancement of sustainable development. Microfinance, which involves providing financial services such as loans, savings accounts, and insurance to low-income individuals and small businesses, plays a crucial role in various aspects of SDGs. Beyond just being a means to access financial resources, microfinance acts as a catalyst for societal change. Its impact resonates across multiple SDGs, creating a ripple effect that empowers individuals, reduces inequality, and fosters sustainable economic growth. Microfinance functions as a beacon of hope, guiding the way toward a world where every individual can thrive and contribute meaningfully to society as we progress towards a more equitable and sustainable future.

## Suggestions

- Enhancing the regulatory and supervisory capabilities of government bodies and institutions like the RBI and NABARD is crucial.
- The next step involves ensuring that financial institutions fully fund all MFIs to address funding shortages.
- Public education about the significant benefits of microfinance services is essential.
- Increasing the number of training programs for managers and staff is also important.
- The RBI should develop comprehensive guidelines covering various areas such as risk management, capital adequacy, auditing, and monitoring.
- To ensure the sustainability of microfinance, measures should be taken for effective loan disbursement, liquidity management, and risk management.
- Additionally, expanding the network of MFINs across the country is imperative.

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