



INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS (IJCRT)

An International Open Access, Peer-reviewed, Refereed Journal

Impact Of Digital Financial Literacy On Women Entrepreneurs

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In recent years, digital financial literacy has played a transformative role in fostering entrepreneurship among women. It enhances financial inclusion, entrepreneurial success, and sustainable development. This research explores the degree to which digital financial literacy empowers women entrepreneurs by providing them with knowledge and tools to navigate modern financial systems. Using a mixed-methods approach, this study investigates how digital financial knowledge influences financial independence, business growth, and market responsiveness. The findings underscore that digital literacy fosters autonomy, reduces dependency, and broadens economic participation. However, barriers like access to technology and gender-related biases continue to hinder optimal impact. This study recommends policies and programs targeting digital inclusion to boost women's entrepreneurial success.

Keywords: Digital financial literacy, Women entrepreneurs, Financial inclusion

1. Introduction

Digital technology has revolutionized the financial landscape. For women entrepreneurs, particularly in emerging economies, digital financial literacy (DFL) represents a pathway to economic independence and competitive business operations. In the wake of digitalization, acquiring skills in managing digital wallets, online banking, mobile transactions, and e-commerce is no longer optional but essential.

Through access to digital platforms and resources, women entrepreneurs can acquire essential financial skills, ranging from basic budgeting to sophisticated investment strategies. Moreover, digital literacy equips women with the knowledge and tools necessary to navigate the complex financial terrain, enabling informed decision-making and effective risk management. The impact of digital financial literacy extends beyond individual endeavors, catalyzing broader economic inclusion and prosperity. By equipping women with the requisite digital skills, societies can unlock a vast reservoir of untapped entrepreneurial potential, thereby stimulating innovation, job creation, and economic growth. Furthermore, digital financial literacy serves as a catalyst for sustainable development, fostering resilience and adaptability among women entrepreneurs. In an ever-evolving digital economy, proficiency in digital finance empowers women to respond adeptly to market dynamics, capitalize on emerging opportunities, and mitigate potential risks. However, challenges such as unequal access to technology, gender biases, and cultural barriers persist, hindering the full realization of digital financial literacy's transformative potential.

Closing the digital literacy gap holds profound implications for gender equality in entrepreneurship. Historically, women have faced systemic barriers in accessing and utilizing digital technologies, hindering their participation and success in entrepreneurial endeavors. However, by addressing this gap, digital literacy can pave the way for greater gender equality and empowerment in the entrepreneurial sphere. Digital literacy initiatives play a crucial role in providing women with the skills and knowledge needed to leverage digital tools effectively. By offering training programs, workshops, and resources tailored to the specific needs and challenges faced by women entrepreneurs, these initiatives help bridge the gender divide

in digital proficiency. Moreover, closing the digital literacy gap has broader societal implications, as it enables women to fully participate in the digital economy and capitalize on emerging opportunities. By empowering women with digital skills, we not only enhance their individual economic prospects but also contribute to economic growth and innovation at large. Furthermore, addressing the gender gap in digital literacy fosters a more inclusive and diverse entrepreneurial ecosystem, where women can thrive and contribute their unique perspectives and talents. Ultimately, by closing the divide in digital literacy, we can unlock the full potential of women entrepreneurs and drive positive change towards gender equality in entrepreneurship and beyond.

Women entrepreneurs have historically faced multiple systemic barriers, including limited access to formal finance, lack of financial education, and cultural constraints. DFL helps mitigate these barriers by simplifying financial procedures, enhancing financial autonomy, and encouraging innovation. This paper aims to analyze the positive impact of DFL and outline how it contributes to women's empowerment, business scalability, and inclusive growth.

2. Review of Literature

- **Shalini R. C. (2025)**, her study concentrates on financial awareness and decision-making in the context of women entrepreneurs. The study's findings indicate that women are moving beyond traditional and stereotypical roles, increasingly taking on positions typically occupied by men.
- **Mohsin Showkata,b , Razia Naginaa , Muzamil Ahmad Babab and Ali Thabit Yahya(2025)**, This study examines the influence of financial literacy on the economic empowerment of women, while also investigating the mediating role played by digital financial services. The results of the study demonstrate that enhanced financial literacy significantly boosts women's engagement with digital financial services, thereby promoting their economic liberation.
- **Angelica Y. Dangcil & Mary Alexia A. Ruiz (2024)**, this study examines the impact of financial literacy on the financial behavior of women entrepreneurs. The study's findings indicate that they possess a robust comprehension of many financial concepts, including the time value of money, compound interest, inflation rate, stock market, mutual funds, interest rates, and diversification.
- **Ayuk Takemeyang, Henry Jong Ketuma and Arrey Fanny Ayere(2024)** study focus on effect of financial literacy on financial inclusion among women entrepreneurs in Cameroon, The findings of the study indicate that the independent variable, financial literacy, has a significant positive effect on the dependent variable, specifically financial inclusion among women entrepreneurs in the Manu Division.
- **Deepak Mishra, Naveen Agarwal, Sanawi Sharahiley and Vinay Kandpal(2024)** his study focus on Digital Financial Literacy and Its Impact on Financial Decision-Making of Women in India . study presents that Globally, emerging technologies are utilizing alternative data to evaluate creditworthiness, eliminating the requirement for conventional credit records or collateral.

3. Research Objectives

1. To evaluate the level of digital financial literacy among women entrepreneurs.
2. To identify the role of digital financial literacy in enhancing women's business performance.
3. To examine the challenges faced by women entrepreneurs in adopting digital finance tools.
4. To provide recommendations to improve digital financial awareness among women.

4. Hypothesis of the Study

- **H0 (Null Hypothesis):** There is no significant relationship between digital financial literacy and the business performance of women entrepreneurs.
- **H1 (Alternative Hypothesis):** There is a significant positive relationship between digital financial literacy and the business performance of women entrepreneurs.

5. Research Methodology

5.1 Research Design

- **Research Approach** : This research adopts a mixed-method approach.
- **Sample Area** : Uttar Pradesh
- **Population** : Women Entrepreneurs of Uttar Pradesh
- **Sample Size** : 230
- **Analysis Tools and Techniques** : Thematic analysis was used for qualitative data, and regression analysis for quantitative data to assess correlations between DFL and business performance indicators such as revenue growth, customer acquisition, and operational efficiency.

5.2 Collection of Data

Study is based on primary data . so for the purpose of study both qualitative and quantitative data will be used. Quantitative data was gathered through surveys targeting women entrepreneurs across various urban and rural areas in Uttar Pradesh. Qualitative insights were obtained from in-depth interviews and focus group discussions.

6. Digital Literacy's Role in Entrepreneurs Empowerment:

Advancing entrepreneurs' empowerment through digital literacy is pivotal, especially for women entrepreneurs who often face systemic barriers. Digital literacy equips entrepreneurs with the knowledge and skills needed to navigate the digital landscape, access financial resources, and expand their businesses effectively. By fostering digital literacy among women entrepreneurs, we empower them to take control of their financial futures, make informed decisions, and capitalize on opportunities in the digital economy. Digital literacy enables women to leverage digital platforms for marketing, networking, and accessing financial services, thus leveling the playing field and enhancing their competitiveness in the market. Moreover, digital literacy fosters resilience and adaptability among women entrepreneurs, enabling them to respond effectively to market dynamics and overcome challenges. Through access to digital resources and training programs, women entrepreneurs can enhance their digital skills, innovate in their business practices, and drive sustainable growth. Ultimately, advancing entrepreneurs' empowerment through digital literacy not only benefits individual entrepreneurs but also contributes to economic development and societal progress. By investing in digital financial literacy initiatives tailored to the needs of women entrepreneurs, we can unlock their full potential, drive inclusive economic growth, and foster a more equitable and prosperous future for all.

7. Women's Digital Entrepreneurship

Empowering communities through women's digital entrepreneurship is a catalyst for social and economic development, with digital financial literacy playing a central role in this transformative process. Women entrepreneurs, equipped with digital skills and financial literacy, become agents of change within their communities, driving innovation, job creation, and economic growth. Digital entrepreneurship offers women the opportunity to create and scale businesses that address local challenges and meet the needs of their communities. By leveraging digital platforms and technologies, women can establish online businesses, market their products or services globally, and reach a wider customer base than ever before. Furthermore, women's digital entrepreneurship has a multiplier effect within communities, creating ripple effects of empowerment and economic opportunity. As women entrepreneurs succeed and grow their businesses, they become role models and mentors for other aspiring entrepreneurs, inspiring confidence and fostering a culture of entrepreneurship within their communities. Moreover, women's digital entrepreneurship contributes to the socioeconomic fabric of communities by generating employment opportunities, supporting local supply chains, and stimulating economic activity. By empowering women entrepreneurs with digital financial literacy, we can unlock the potential of communities, driving inclusive growth and prosperity for all.

8. Results and Discussion

The analysis reveals a clear positive correlation between digital financial literacy and entrepreneurial success. Women with higher digital competence were found to:

- Maintain accurate financial records.
- Access online credit platforms more effectively.
- Use mobile wallets and digital payment gateways to expand customer base.
- Promote businesses on digital platforms (e.g., WhatsApp Business, Instagram).
- Rural entrepreneurs faced more obstacles due to poor internet connectivity and low digital awareness.
- Educational background strongly influenced the level of digital financial understanding.

Digital financial tools help reduce transaction costs, ensure transparency, and provide real-time analytics. They facilitate access to micro-loans and support business scalability. Nevertheless, socio-cultural norms and gender stereotypes restrict many women from engaging freely with digital tools.

9. Conclusion

Digital financial literacy is a powerful enabler of women's entrepreneurship. It enhances their confidence, decision-making capabilities, and operational efficiency. Research findings consistently demonstrate that digital financial literacy plays a crucial role in bridging the gender gap in entrepreneurship, empowering women to overcome barriers and pursue entrepreneurial opportunities with confidence. Moreover, digital financial literacy enhances women's economic empowerment by enabling them to achieve greater financial independence, resilience, and adaptability in the digital economy. However, challenges such as unequal access to technology, gender biases, and cultural barriers persist, hindering the full realization of digital financial literacy's potential impact. Despite its transformative impact, issues such as lack of digital infrastructure, educational disparities, and societal biases must be addressed. Comprehensive strategies focusing on education, awareness, and policy support can bridge these gaps.

10. Recommendations

On the basis of above findings and conclusion following recommendations can be given .

1. Introduce localized training programs for women entrepreneurs in regional languages.
2. Increase the outreach of government schemes focused on digital empowerment.
3. Collaborate with NGOs and SHGs to raise awareness about DFL.
4. Develop user-friendly digital financial applications with vernacular support.
5. Promote public-private partnerships for capacity building in digital finance.

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