

## AI-ENABLED MICRO-AUDITS AND DIGITAL ACCOUNTING SKILLS FOR YOUTH ENTREPRENEURSHIP IN VIKSIT BHARAT

**Dr. Supriya Arvind Chougule**

D. R. K. College of Commerce, Kolhapur

Article Info	ABSTRACT
<p><b>Article History:</b> Received: 31<sup>st</sup> Dec 2025 Accepted: 15<sup>th</sup> Jan 2026 Published: 22<sup>nd</sup> Jan 2026</p>	<p>In the emerging vision of Viksit Bharat 2047, youth entrepreneurship stands as a crucial driver of economic transformation. The rapid evolution of Artificial Intelligence (AI), digital accounting tools, and real-time financial analytics has revolutionized the way small businesses manage financial information. Among these innovations, AI-enabled micro-audits- continuous, automated, and data-driven auditing processes - offer an effective, low-cost mechanism for financial transparency and risk reduction for startups and micro-enterprises. This conceptual paper explores the role of AI-driven micro-audit systems and digital accounting skills in strengthening youth entrepreneurship in India. It examines how AI tools such as machine learning algorithms, anomaly detection models, cloud-based bookkeeping systems, and automated compliance solutions can empower youth entrepreneurs with enhanced financial control, cost efficiency, regulatory compliance, and improved decision-making abilities.</p> <p>The paper also discusses the increasing need for digital accounting literacy, highlighting essential skills such as cloud bookkeeping, GST automation, AI-based reconciliation, digital payment tracking, and predictive financial analytics. Further, it connects these digital finance competencies with national missions including Skill India, Digital India, Startup India, and Make in India. The study emphasizes the importance of integrating AI-focused accounting skills into vocational education, community colleges, and entrepreneurship development programs. It concludes that AI-enabled micro-audits and digital accounting skills represent a transformative opportunity to expand youth employability, strengthen micro-business sustainability, and accelerate India's journey towards becoming a Viksit Bharat by 2047.</p>
<p><b>Keywords:</b></p> <p>AI, Micro-Audits, Digital Accounting, Youth Entrepreneurship, Skill Development, Viksit Bharat, Financial Technology</p>	

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## 1. Introduction

The Indian economy is undergoing an unprecedented digital transformation driven by advancements in artificial intelligence, cloud technology, and financial innovations such as UPI, Aadhaar-enabled services, and digital banking. Alongside these developments, the Government of India has articulated a clear vision for Viksit Bharat 2047—a future where India becomes a globally competitive economic powerhouse. Achieving this ambitious vision requires the active participation and empowerment of India's youth, particularly in the domain of entrepreneurship.

Financial management and compliance have always been challenging aspects for young entrepreneurs, especially in micro and small enterprises. Traditional accounting practices are time-consuming, expensive, and prone to errors. Moreover, small business owners typically lack access to professional accountants and auditors. In this context, AI-enabled micro-audits—automated, continuous, small-scale auditing models—are emerging as a powerful tool to support youth-owned startups.

Digital accounting tools such as Tally Prime, Zoho Books, QuickBooks, Vyapar, and AI-based reconciliation systems are increasingly accessible and affordable. These technologies automate bookkeeping, bill generation, GST filing, inventory control, and financial forecasting. When combined with AI-driven micro-auditing features, they provide real-time alerts on anomalies, compliance issues, and financial risks. This integration is expected to significantly reduce the cost of financial management for young entrepreneurs and improve their business sustainability.

This conceptual research paper examines the intersection of AI, digital accounting, and youth entrepreneurship, presenting a framework for how AI-enabled micro-audits can support economic growth in Viksit Bharat.

## 2. Review of Literature

Several researchers have highlighted the transformative potential of AI in accounting and auditing. Early literature discussed automation in bookkeeping and the gradual emergence of digital tools for small businesses. More recent studies focus on AI's role in transaction processing, fraud detection, and predictive analytics.

**AI in Accounting:** Studies indicate that AI can improve efficiency, reduce human error, and perform repetitive tasks with high accuracy. Machine learning algorithms enable anomaly detection and predictive modelling.

**Digital Financial Literacy:** Research emphasizes that digital literacy, particularly in finance, is essential for entrepreneurship growth in developing economies.

**Entrepreneurship & Technology:** Literature also supports the idea that technology adoption enhances business performance and increases the survival rate of startups.

**Micro-Audits & Automated Compliance:** Recent frameworks propose continuous auditing as a replacement for traditional audit cycles, especially useful for MSMEs.

However, limited research exists specifically on AI-enabled micro-audits and their role in empowering youth entrepreneurs in India. This study fills that conceptual gap.

## 3. Objectives of the Study

1. To explain the concept and relevance of AI-enabled micro-audits for youth entrepreneurship.
2. To examine digital accounting skills required in the era of AI-driven financial systems.

3. To analyse how AI and digital finance tools support financial sustainability of youth-led startups.
4. To explore implications for Viksit Bharat goals and national skill development missions.
5. To propose a conceptual framework for integrating AI-enabled micro-audits into entrepreneurship development programs.

#### **4. Research Methodology**

This study is conceptual in nature and is based on secondary data from:

- Academic journals
- Government policy documents
- Reports from NITI Aayog, Ministry of Skill Development
- Articles on AI accounting tools
- Books and digital literacy frameworks

The paper synthesizes findings from prior research and proposes a new conceptual model for youth entrepreneurship in India.

#### **5. Concept of AI-Enabled Micro-Audits**

AI-enabled micro-audits refer to small-scale, continuous, and automated auditing processes powered by machine learning and data analytics. Unlike traditional audits which occur annually or quarterly, micro-audits operate continuously in real time.

##### Key Features of AI-Enabled Micro-Audits

- Automated Transaction Monitoring
- Machine Learning-based Anomaly Detection
- Real-time GST and Tax Compliance Alerts
- Automated Bank Reconciliation
- Verification of Digital Payment Trails (UPI, QR)
- Cloud-based Data Storage with Auto-Backup
- Cost-effective for small enterprises

These tools detect fraud, cash leakages, wrong entries, duplicate invoices, and compliance failures instantly.

##### Benefits for Youth Entrepreneurs

- Reduces dependency on costly yearly audits
- Ensures accurate financial records
- Helps avoid penalties and compliance violations
- Improves creditworthiness and access to loans
- Enables better decision-making through real-time insights
- Saves time, allowing youth to focus on innovation and growth

#### **6. Digital Accounting Skills Required for Youth in Viksit Bharat**

Young entrepreneurs must develop certain core competencies to use AI-assisted financial tools effectively:

##### 1. Cloud Accounting Literacy

Knowledge of cloud software like Tally Prime, Zoho Books, Vyapar, Busy, etc.

##### 2. GST Automation Skills

Using automated GST returns, e-way bills, e-invoice systems.

### 3. AI-Based Reconciliation Skills

Interpreting machine-generated reports and exception alerts.

### 4. Digital Payment Tracking

UPI records, QR-based sales, integration with accounting apps.

### 5. Financial Data Interpretation

Analysing dashboards: cash flow, turnover, profit ratios.

### 6. Cybersecurity Awareness

Passwords, cloud safety, data protection.

### 7. Spreadsheet & Analytics Skills

Basic Excel + exposure to AI tools like ChatGPT/other AI tools for financial analysis.

Strengthening these skills significantly increases youth employability and entrepreneurial success.

## 7. Role of AI in Strengthening Financial Management of Youth Enterprises

AI plays a significant role in improving the financial management capabilities of youth-led enterprises. Predictive analytics tools help entrepreneurs forecast sales trends, estimate expenses, and evaluate future cash flow patterns, enabling them to make informed decisions. Automated inventory systems powered by AI are beneficial for retail and manufacturing startups, as they prevent stockouts and reduce wastage.

AI-driven risk alerts notify entrepreneurs about potential financial irregularities or fraud, allowing preventive action. Digital financial statements generated by AI tools improve entrepreneurs' credit profiles, increasing their chances of securing loans. Compliance becomes significantly easier with automated reminders and filing support for GST, TDS, and ROC requirements. By minimizing manual tasks, AI reduces time and cost, giving entrepreneurs more bandwidth to focus on business strategy. Ultimately, AI enhances strategic planning by providing real-time dashboards and actionable insights.

## 8. Implications for Viksit Bharat 2047

The adoption of AI-enabled micro-audits and digital accounting skills directly aligns with India's long-term developmental goals. Under the Skill India Mission, there is an increasing need to train young people in emerging financial technologies and AI-assisted accounting tools. The Startup India Mission benefits as AI reduces entry barriers by making compliance affordable and accessible for young entrepreneurs. Digital India is strengthened through widespread adoption of cloud accounting and digital payment systems, fostering transparency and accountability. Make in India initiatives gain momentum as manufacturing-based youth enterprises can use automated compliance systems to manage operations efficiently. AI-driven financial tools also support financial inclusion by enabling rural youth to start micro-businesses using digital platforms. The adoption of these technologies contributes to employment generation through the emergence of new professions such as AI-assisted auditors, digital accountants, and fintech trainers. Additionally, real-time micro-audits reduce failure rates among MSMEs, contributing to stronger economic foundations for a Viksit Bharat.

## 9. Challenges in AI Adoption for Youth Entrepreneurs

Despite its advantages, several challenges hinder the adoption of AI-enabled micro-audits among youth entrepreneurs. A significant skill gap persists, particularly in rural areas where exposure to digital accounting remains limited. While basic tools are affordable,

advanced AI-based software may involve subscription costs that discourage young startups. Low awareness about cloud accounting platforms further prevents adoption in smaller towns. Cybersecurity risks pose another major limitation, as inadequate knowledge of data protection practices can result in breaches. Many traditional accountants also resist adopting AI tools, fearing a reduction in demand for manual accounting work. Additionally, infrastructure challenges such as inconsistent internet connectivity in rural regions restrict the use of cloud-based auditing tools. Addressing these challenges requires targeted interventions, specialized training programs, and supportive policies.

### **10. Suggestions**

1. Integrate AI and digital accounting modules into B.Com, BBA, vocational, and community colleges.
2. Establish Digital Finance Labs in colleges for hands-on learning.
3. Train youth in AI-based GST filing and micro-audit systems through government programs.
4. Provide subsidies for AI-based accounting software for startups.
5. Organize workshops by professional bodies like ICAI, ICSI, and MSME Development Institutes.
6. Develop mobile-friendly micro-audit apps for rural entrepreneurs.
7. Create multi-lingual video-based training modules in Marathi, Hindi, and regional languages.
8. Promote collaboration between universities and fintech companies.
9. Awareness programs through Start-up India and Skill India platforms.
10. Encourage digital audit internships for commerce students.

### **11. Conclusion**

AI-enabled micro-audits and digital accounting skills represent a transformative opportunity for young entrepreneurs in India. As the nation advances toward its Viksit Bharat 2047 vision, the ability to manage finances efficiently, transparently, and intelligently becomes critical for business success. AI-driven auditing tools minimize financial risks, improve compliance, and reduce costs, enabling youth-led enterprises to operate more effectively. By democratizing access to advanced financial technologies, India can support innovation, enhance entrepreneurial success, and stimulate economic growth. With appropriate training, policy support, and widespread adoption of AI-based tools, youth entrepreneurship can become a key catalyst in India's journey towards becoming a developed nation

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