

A Study on sustainable Business Models with Reference to 1 Bacus Tech

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Publication History

Manuscript Reference No: IJIRIS/RS/Vol.12/Issue03/ISMR26.MRIS10109

Research Article Open Access| Double-Blind Peer-Reviewed| Article ID: IJIRIS/RS/Vol.12/Issue03/ISMR26.MRIS10109

Received: 31, January 2026, Revised: 14, February 2026, Accepted: 17, March 2026, Published Online: 25, March 2026.

<https://www.ijiris.com/volumes/Vol12/iss-03/30.ISMR26.MRIS10109.pdf>

Article Citation: Devadharshini, Uma (2026), A Study on sustainable Business Models with Reference to 1 Bacus Tech, IJIRIS: International Journal of Innovative Research in Information Security, Volume 12, Issue 03 of 2026 pages 216-219

Doi: <https://doi.org/10.26562/ijiris.2026.v1203.30>

BibTeX Key: Devadharshini@2026Study

IJIRIS papers should be cited as IJIRIS (International Journal of Innovative Research in Information Security, AM Publications, India 2026, ISSN 2349-7017, <https://doi.org/10.26562/ijiris.2026.v1203.30> The journal's official abbreviation is IJIRIS. [Orcid: https://orcid.org/0009-0004-9398-7488](https://orcid.org/0009-0004-9398-7488) Copyright © 2026 copyright by the authors. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

Abstract: Sustainability has become an important element in modern business strategy. Companies are increasingly integrating environmental, social, and economic factors into their operations to ensure long-term growth and social responsibility. Sustainable business models help organizations create value while minimizing environmental impact and promoting social well-being. This study examines the sustainable business practices adopted by I Bacus Tech, Coimbatore. The research focuses on how the organization integrates sustainability into its operations, resource management, and innovation strategies. The study also evaluates the benefits and challenges associated with implementing sustainable business models in the technology sector. The findings suggest that sustainable strategies improve operational efficiency, strengthen brand reputation, and contribute to long-term competitive advantage.

Keywords: Sustainable Business Model, Sustainability, Business Model Innovation, Corporate Social Responsibility, Circular Economy, Green Innovation, Sustainable Development, Triple Bottom Line.

INTRODUCTION

Sustainability has emerged as a critical factor in business development and corporate strategy. Modern businesses are expected not only to generate profits but also to contribute positively to society and the environment. Sustainable business models focus on creating long-term value while reducing environmental harm and promoting social responsibility. A sustainable business model integrates environmental protection, social responsibility, and economic growth into its core operations. The concept is often explained through the Triple Bottom Line framework, which focuses on people, planet, and profit as key dimensions of business sustainability. (IBM) In the rapidly evolving technology sector, companies such as I Bacus Tech in Coimbatore are adopting sustainable practices to improve efficiency, reduce waste, and enhance customer trust. These practices include energy-efficient operations, responsible resource usage, and digital innovations that support environmental sustainability. This study explores how sustainable business models are implemented at I Bacus Tech and evaluates their impact on business performance and long-term growth.

REVIEW OF LITERATURE

Sustainable business models focus on integrating environmental, social, and economic aspects into business operations. Many researchers have studied how organizations adopt sustainable strategies to achieve long-term growth and reduce environmental impact.

- **Nosratabadi et al. (2019)** stated that sustainable business models help organizations create value while considering environmental protection and social responsibility. Their study explains that innovation and technology play a major role in developing sustainable business practices.
- **Cantele and Truzzi (2020)** highlighted that sustainable business models focus on value creation, value delivery, and value capture in a responsible manner. Their research also emphasized that sustainability improves corporate performance and competitive advantage.

Overall, previous studies show that sustainable business models contribute to economic growth while promoting environmental sustainability and social development. However, more research is needed to analyze how these models are implemented in specific organizations such as technology companies.

OBJECTIVES OF THE STUDY

The main objectives of the study are:

1. To analyze the concept of sustainable business models.
2. To examine sustainability practices implemented at I Bacus Tech, Coimbatore.
3. To evaluate the benefits of sustainable business strategies.
4. To identify challenges in implementing sustainability in technology companies.
5. To provide suggestions for improving sustainable business practices.

RESEARCH METHODOLOGY

Method	Description
Research Type	Descriptive Research
Data Source	Secondary Data
Data Sources	Journals, websites, sustainability reports
Analysis Tools	Charts, tables, comparative analysis

Secondary data was collected from online sources and sustainability research studies to analyze sustainable business practices relevant to technology companies

CONCEPT OF SUSTAINABLE BUSINESS MODELS

A sustainable business model is a framework that enables organizations to create value while maintaining environmental and social balance. These models aim to reduce negative environmental impacts while maintaining economic performance. Sustainable business models focus on:

- Efficient use of resources
- Reduction of waste and carbon emissions
- Social responsibility
- Long-term profitability

These models integrate sustainability into **value creation, delivery, and value capture activities of businesses**, enabling firms to achieve economic growth while supporting environmental and social goals. (MDPI)

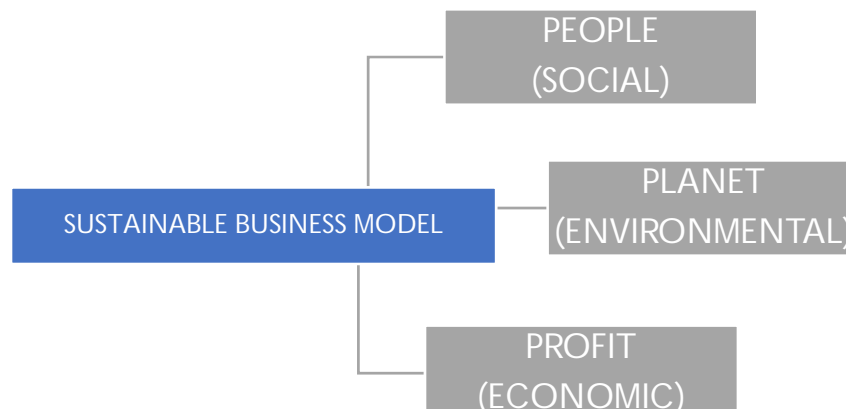
TRIPLE BOTTOM LINE FRAMEWORK

The Triple Bottom Line framework is widely used to evaluate sustainability in businesses. It focuses on three major dimensions:

Dimension	Description
People	Social impact on employees, communities, and stakeholders
Planet	Environmental sustainability and resource management
Profit	Economic performance and long-term financial growth

Businesses adopting this framework measure success not only by profit but also by their impact on society and the environment. (IBM)

TRIPLE BOTTOM LINE COMPONENTS



SUSTAINABLE BUSINESS PRACTICES AT I BACUS TECH

I Bacus Tech integrates sustainability into its operational and strategic processes. The company adopts several practices to ensure responsible business operations.

Key Sustainability Initiatives

1. Digital transformation to reduce paper usage
2. Cloud-based solutions to improve energy efficiency
3. Waste reduction through digital workflows
4. Remote work policies to reduce transportation emissions
5. Responsible data management systems

These initiatives help the company reduce environmental impact while improving operational efficiency.

IMPACT OF SUSTAINABLE BUSINESS MODELS

Business Sustainability Impact

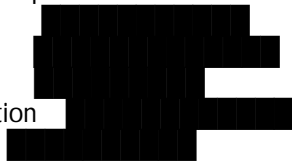
Operational Efficiency

Customer Trust

Cost Reduction

Environmental Protection

Innovation



BENEFITS OF SUSTAINABLE BUSINESS MODELS

Implementing sustainable business strategies provides several advantages for organizations.

Table: Benefits of Sustainable Business Models

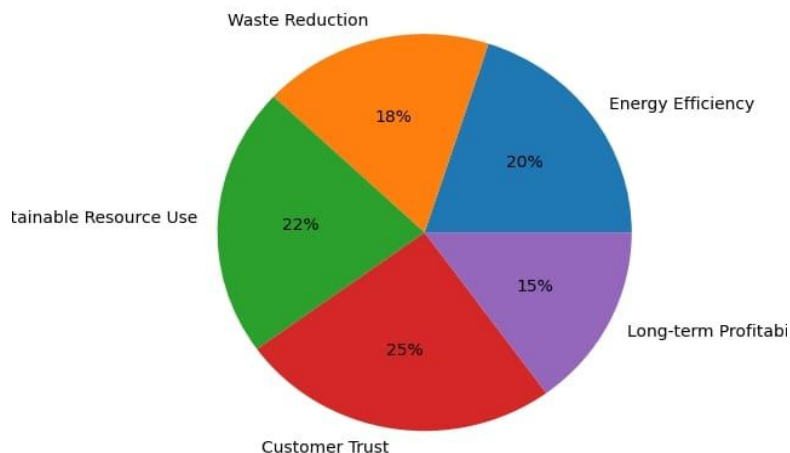
Benefit	Explanation
Cost Reduction	Efficient resource usage reduces operational expenses
Brand Reputation	Customers prefer environmentally responsible companies
Innovation	Encourages development of new sustainable technologies
Competitive Advantage	Sustainability differentiates companies in the market
Risk Management	Reduces regulatory and environmental risks

Sustainable practices also increase employee engagement and customer loyalty.

KEY SUSTAINABILITY FACTORS BUSINESS MODEL

- Waste Reduction
- Energy Efficiency
- Sustainable Resource Use
- Long term Profitability
- Customer Trust

Key Sustainability Factors in Business Model – Ibacks Tech, Coimbatore



CHALLENGES IN IMPLEMENTING SUSTAINABLE BUSINESS MODELS

Despite the benefits, organizations face several challenges while implementing sustainable strategies.

MAJOR CHALLENGES

- High initial investment costs
- Lack of awareness about sustainability practices
- Limited technological resources
- Resistance to organizational change
- Difficulty in measuring sustainability performance

Addressing these challenges requires strategic planning and long-term commitment.

CHALLENGES IN SUSTAINABILITY ADOPTION

Challenges in Sustainability Implementation

High Cost

Lack of Awareness

Technological Limits

Resistance to Change

Measurement Issues

SUGGESTIONS

The following recommendations can improve sustainable business practices at I Bacus Tech:

1. Implement green IT infrastructure
2. Invest in renewable energy sources
3. Conduct sustainability training for employees
4. Adopt circular economy principles
5. Measure sustainability performance through ESG indicators

These measures can enhance environmental responsibility and improve long-term business performance.

CONCLUSION

Sustainable business models play a significant role in achieving long-term organizational success. Companies that adopt sustainability practices can improve operational efficiency, reduce environmental impact, and strengthen their market position. The study shows that I Bacus Tech has adopted several sustainable initiatives that contribute to both economic growth and environmental protection. By integrating sustainable strategies into business operations, organizations can achieve balanced growth and contribute to global sustainable development goals.

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