

A Study on Business Intelligence and its Impact on Business Performance with Reference to Asthra Company

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Publication History

Manuscript Reference No: IJIRIS/RS/Vol.12/Issue03/ISMR26.MRIS10104

Research Article Open Access| Double-Blind Peer-Reviewed| Article ID: IJIRIS/RS/Vol.12/Issue03/ISMR26.MRIS10104

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

<https://www.ijiris.com/volumes/Vol12/iss-03/25.ISMR26.MRIS10104.pdf>

Article Citation: LabiShri, Dr. Govindasamy (2026), A Study on Business Intelligence and its Impact on Business Performance with Reference to Asthra Company, IJIRIS: International Journal of Innovative Research in Information Security, Volume 12, Issue 03 of 2026 pages 197-200 **Doi:** <https://doi.org/10.26562/ijiris.2026.v1203.25>

BibTeX Key: LabiShri@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.v1203.25> The journal's official abbreviation is IJIRIS. **Orcid:** <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: Business Intelligence (BI) has become an essential technological tool that helps organizations analyze data and make better strategic decisions. In today's competitive business environment, companies generate a large amount of data from various sources such as sales, marketing, and customer interactions. Business Intelligence helps transform this raw data into meaningful insights that support business decision-making. This study focuses on examining the impact of Business Intelligence on the business performance of Asthra Company located in Coimbatore. The research analyzes how BI tools improve decision-making, operational efficiency, and organizational productivity. The study also evaluates how BI contributes to better customer satisfaction and profitability. The findings reveal that effective use of Business Intelligence enables organizations to improve their performance and achieve competitive advantage in the market.

Keywords: Business Analytics, Business Intelligence (BI), Data Analytics, Data Warehousing, Organizational Performance, Strategic Management

INTRODUCTION

In the modern digital era, data has become one of the most valuable resources for organizations. Companies rely on accurate and timely information to make strategic decisions that affect their growth and sustainability. Business Intelligence refers to the technologies, applications, and practices used to collect, integrate, analyze, and present business information. Business Intelligence systems help organizations convert large volumes of raw data into meaningful and useful insights. These insights allow managers to identify trends, monitor business performance, and improve decision-making processes. By using BI tools such as dashboards, reporting systems, and data analytics platforms, companies can track key performance indicators and evaluate their business strategies. Asthra Company in Coimbatore has adopted Business Intelligence technologies to enhance its business operations and improve decision-making capabilities. The company uses BI tools to analyze sales performance, customer behavior, and operational efficiency. This study examines how the implementation of BI systems has influenced the company's overall business performance and contributed to organizational growth.

OBJECTIVE OF THE STUDY

The main objectives of this research are to analyze the role and effectiveness of Business Intelligence in improving business performance. Business Intelligence is widely used by organizations to make informed decisions and enhance their competitive advantage.

The specific objectives of the study are:

- To understand the concept and importance of Business Intelligence in modern organizations.
- To examine how Business Intelligence tools improve business decision-making.
- To analyze the impact of BI implementation on the business performance of Asthra Company.
- To identify the benefits gained from the use of Business Intelligence technologies.
- To evaluate the challenges faced by organizations during BI implementation.

These objectives help in understanding how BI systems contribute to organizational efficiency and business success.

RESEARCH METHODOLOGY

Research methodology refers to the systematic approach used to collect and analyze data for the purpose of the study. In this research, both primary and secondary data sources were used to gather information about the impact of Business Intelligence on business performance. Primary data was collected through questionnaires and interviews conducted with employees and managers of Asthra Company. These participants provided insights about the use of BI tools in their daily operations and decision-making processes. Secondary data was obtained from academic journals, books, research papers, and online resources related to Business Intelligence and data analytics. The collected data was analyzed using descriptive techniques to identify patterns and trends in business performance after the implementation of BI systems.

Table 1: Research Design

Research Aspect	Description
Research Type	Descriptive Research
Data Collection Method	Questionnaires and interviews
Sample Size	50 Employees
Data Source	Primary and Secondary Data
Analysis Method	Descriptive Analysis

BUSINESS INTELLIGENCE TOOLS USED IN ASTHRA COMPANY

Business Intelligence tools play a crucial role in analyzing and visualizing business data. These tools help organizations monitor performance, identify business opportunities, and improve operational efficiency. Asthra Company uses various BI tools to manage and analyze its business data effectively. These tools help the management team to generate reports, monitor performance indicators, and make data-driven decisions. The use of dashboards and reporting systems allows managers to visualize business data in an easy and understandable format.

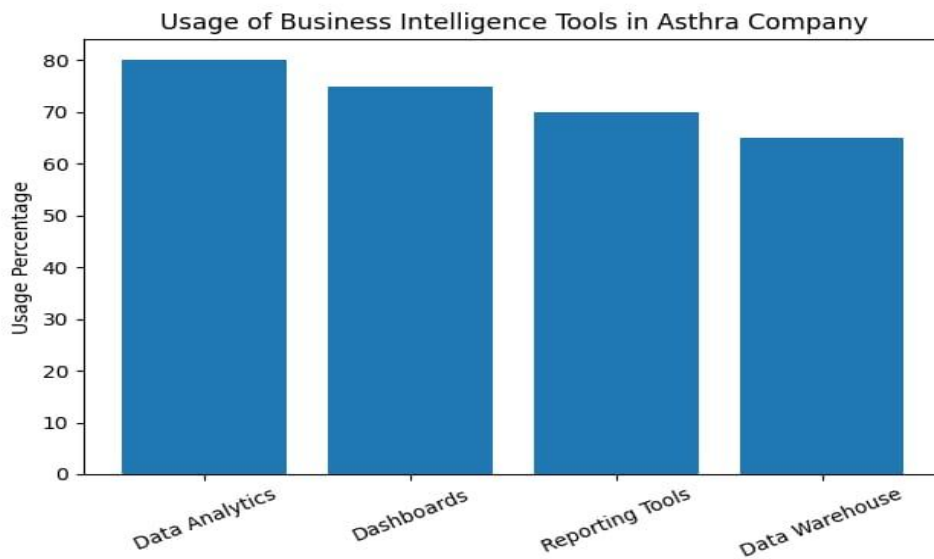


Table 2: Business Intelligence Tools Used in the Company

BI Tools	Purpose	Benefit
Data Analytics Software	Analyze large volumes of business data	Provides accurate insights
Dashboard Tools	Visualize key business reports	Quick understanding of performance
Reporting System	Generate regular business reports	Helps in strategic planning
Data Warehouse	Store and manage large datasets	Improves data accessibility

These BI tools enable the company to improve operational efficiency and enhance the quality of business decisions.

IMPACT OF BUSINESS INTELLIGENCE ON BUSINESS PERFORMANCE

The implementation of Business Intelligence systems has a significant impact on business performance. BI tools help organizations analyze their operations, identify weaknesses, and improve business strategies.

Improved Decision Making

Business Intelligence provides real-time data analysis that helps managers make informed and accurate decisions. With access to reliable information, companies can reduce risks and improve strategic planning.

Increased Operational Efficiency

BI tools automate data collection and analysis processes, reducing manual work and increasing productivity. This allows employees to focus on more important business activities.

Better Customer Insights

BI systems help organizations analyze customer behavior, preferences, and purchasing patterns. This information enables companies to develop better marketing strategies and improve customer satisfaction.

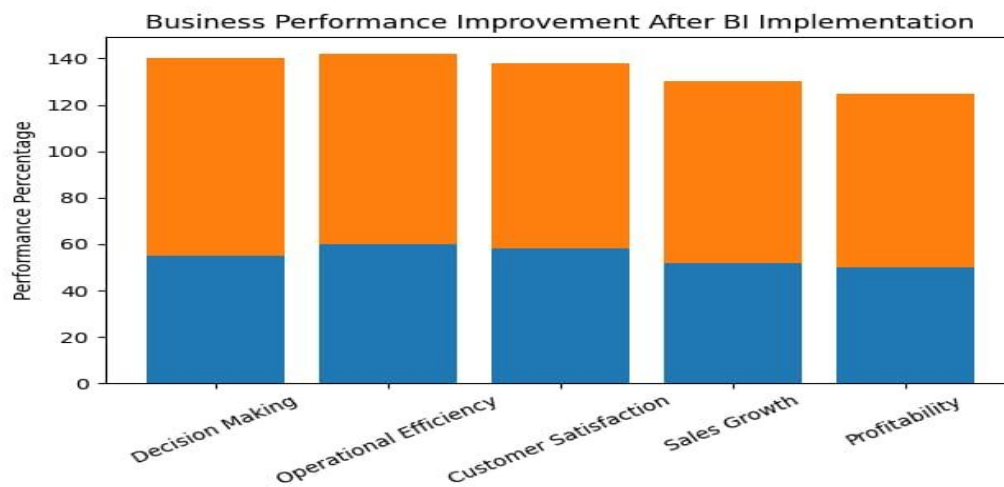
Enhanced Profitability

By analyzing sales data and operational costs, BI systems help organizations identify opportunities to increase revenue and reduce expenses.

CHART: IMPACT OF BI ON BUSINESS PERFORMANCE

Table 3: Performance Comparison Before and After BI Implementation

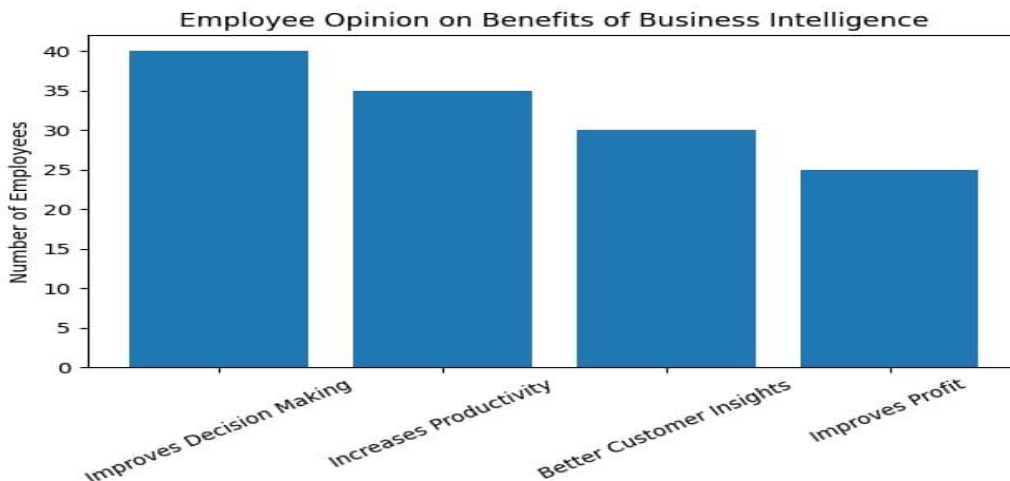
Business Performance Indicators	Before BI (%)	After BI (%)
Decision Making Efficiency	55	85
Operational Efficiency	60	82
Customer Satisfaction	58	80
Sales Growth	52	78
Profitability	50	75



This data shows that after the implementation of Business Intelligence tools, Asthra Company experienced significant improvements in various aspects of business performance. You can create a bar chart in PowerPoint using this table to visually represent the improvement in performance indicators.

CHALLENGES IN IMPLEMENTING BUSINESS INTELLIGENCE

Despite the many advantages of Business Intelligence systems, organizations may face several challenges during implementation. One of the major challenges is the high cost associated with BI software and infrastructure. Many companies need to invest significant financial resources to implement these systems. Another challenge is the need for skilled professionals who can effectively use BI tools and interpret data insights. Employees may require training to understand how to use these technologies efficiently. Data security is also a major concern, as organizations must protect sensitive business information from cyber threats. Additionally, integrating BI systems with existing organizational systems can be complex and time-consuming.



FINDINGS OF THE STUDY

The study identified several important findings related to the impact of Business Intelligence on business performance.

- Business Intelligence significantly improves organizational decision-making processes.
- BI tools help companies analyze business data quickly and accurately.
- The use of dashboards and analytics tools allows managers to monitor performance in real time.
- BI systems contribute to higher operational efficiency and productivity.
- Organizations using Business Intelligence gain a competitive advantage in the market.

These findings indicate that the implementation of BI technologies has a positive influence on overall business performance.

CONCLUSION

Business Intelligence has become a powerful tool for organizations to improve their decision-making capabilities and overall business performance. The study conducted on Asthra Company in Coimbatore shows that the use of BI tools has significantly improved operational efficiency, customer satisfaction, and profitability. The implementation of BI systems enables organizations to analyze large amounts of business data and transform it into valuable insights. These insights support strategic planning and help organizations respond quickly to market changes. Therefore, it can be concluded that Business Intelligence plays a vital role in enhancing business performance and ensuring long-term organizational success. Companies should continue to invest in BI technologies and provide proper training to employees to maximize the benefits of these systems.

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