

## The Impact of E-Marketing Automation on Business Performance: An Analytic Study

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### Abstract:

This study explores the impact of E-marketing automation on business performance, focusing on its role in optimizing efficiency and improving customer engagement. It examines how automation tools influence marketing strategies and ROI across industries. The study addresses the complexities of integrating automation and its effect on business growth. Findings show that automation streamlines marketing tasks, enhances customer interactions, and maximizes ROI, recommending its adoption for staying competitive.

**Keywords:** E-marketing automation, E-marketing tools, Business performance.

**JEL Classification Codes :** L23; M37; O33.

## تأثير أتمتة التسويق الإلكتروني على أداء المؤسسة : دراسة تحليلية

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### ملخص:

تستعرض هذه الدراسة تأثير أتمتة التسويق الإلكتروني على أداء الأعمال، مع التركيز على دورها في تحسين الكفاءة وتعزيز التفاعل مع العملاء. كما تفحص كيف تؤثر أدوات الأتمتة على استراتيجيات التسويق والعائد على الاستثمار عبر الصناعات. تتناول الدراسة تعقيدات دمج الأتمتة وتأثيرها على نمو الأعمال. أظهرت النتائج أن الأتمتة تبسط مهام التسويق، وتحسن التفاعلات مع العملاء، وتعظم العائد على الاستثمار، موصية باعتمادها للبقاء في موقع تنافسي.

**الكلمات المفتاحية:** أتمتة التسويق الإلكتروني، أدوات التسويق الإلكتروني، أداء المؤسسة.

**تصنيف JEL :** O33 ; M37; L23.

## **1. INTRODUCTION**

In the current era of rapid digital transformation, organisations face the dual demands of optimising operational efficiency and improving customer engagement while ensuring quantifiable returns on investment. Electronic marketing automation has emerged as a pivotal mechanism, enabling organisations to integrate their marketing efforts across various digital channels. This integration facilitates a more strategic allocation of resources and supports informed decision-making processes in environments characterised by fluid market dynamics.

The implementation of e-marketing strategies not only plays a significant role in the consolidation and streamlining of marketing campaigns but also allows organisations to redirect their focus towards more innovative, creative, and strategic initiatives that can drive growth. By judiciously reallocating resources that have traditionally been designated for routine marketing tasks, firms are afforded the opportunity to foster a culture of creativity, which in turn enables them to cultivate robust and enduring relationships with their customers through consistent and meaningful engagement. Ultimately, the strategic and thoughtful application of automation technologies is not merely beneficial but is, in fact, vital for the establishment of a flexible operational framework that is essential for sustaining growth and achieving a competitive advantage in the rapidly evolving and highly competitive landscape of the contemporary digital economy.

In order to explore the impact of e-marketing automation on business performance, a key question arises: How does the strategic implementation of e-marketing automation contribute to improving operational efficiency and enhancing customer engagement within organisations? To answer this question, we will apply a methodology that combines theoretical frameworks with practical insights to examine the effect of e-marketing automation on overall business performance.

### **1.2.Methodology**

This study adopts an integrated descriptive-analytical approach, augmented by the use of a survey and a case study, to explore the impact of e-marketing automation on improving company performance. This methodology combines qualitative and quantitative research methods to provide a comprehensive understanding of how automation tools influence marketing performance and decision-making processes.

#### **Descriptive-Analytical Approach**

The research began with a literature review to gather insights from academic articles, industry reports, and existing case studies on e-marketing automation in the banking sector. This review helped establish the theoretical foundation for understanding the role of automation in e-marketing, its tools, and key benefits such as efficiency, personalization, and ROI. The descriptive analysis also examined

secondary data, including performance metrics and statistical data, to assess how automation impacts the effectiveness of marketing across various industries.

### **Survey and Case Study:**

A survey was conducted among marketing professionals to gather primary data on the current use of marketing automation tools. The survey aimed to assess the extent of automation adoption, specific tools in use, and perceived benefits of these tools, such as improvements in efficiency and ROI. The survey focused primarily on quantitative data, collecting measurable metrics such as adoption rates, conversion rates, and other performance indicators. A case study is also included, illustrating the practical applications of marketing automation tools within a medium-sized e-commerce company. This case study demonstrated how marketing automation affects key performance metrics, such as conversion rates, customer engagement, and satisfaction.

### **Data Collection and Analysis:**

Primary data for this research were collected from a survey and case study. The survey focused on quantitative data, such as adoption rates, conversion rates, ROI figures, and performance metrics such as open and click-through rates. Secondary data were obtained from industry reports, market research studies, and academic journals, including Digital Silk (2025) and Backlinko (2024). The data were analysed using descriptive statistics to identify trends and patterns in automation use. A comparative analysis of pre- and post-automation performance metrics was conducted, focusing on improvements in email marketing, social media engagement, and lead conversion rates. The findings from the survey and case study were cross-referenced with insights from the literature review to provide a comprehensive assessment of the impact of marketing automation on performance

## **2. Understanding E-marketing automation**

### **2.1 The Evolution of E-Marketing Automation**

Marketing automation is a project that employs technology and software algorithms to automate intricate marketing operations, optimize processes, and improve marketing efficiency. This automation can encompass numerous time-consuming and intricate tasks that previously required human intervention. The tasks encompass email marketing, customer support, social media scheduling, lead nurturing, customer segmentation, and campaign tracking. (Bagshaw, 2015)

Marketing automation developed as a response to the growing complexity of managing multiple marketing channels and handling vast amounts of consumer data. Early studies highlighted that automation could take over many repetitive, manual tasks in traditional marketing—such as scheduling campaigns and tracking customer interactions—thereby improving efficiency and freeing up resources for strategic initiatives (Salo, 2023, p. 102). Also implementing marketing automation processes can revolutionize an organization's marketing efforts by shifting from generic, one-

size-fits-all communication to more personalized, data-driven interactions (Mero, 2020). These early models helped shape the understanding of how automation tools could centralize campaign management, integrate customer data more efficiently, and ultimately enhance marketing ROI.

Beyond operational improvements, researchers have examined how marketing automation influences decision-making. Guercini (2023) explores the role of heuristics in marketing automation, arguing that while automation handles many routine tasks, it also enhances human decision-making by creating data-rich environments where marketers can use simple decision rules (heuristics) to interpret complex datasets emerald.com. This research highlights the dual impact of automation: it not only streamlines routine tasks but also supports higher-level strategic decisions, transforming traditional marketing roles and processes. Transition to Digital Marketing Automation (Guercini, 2023, p. 311)

As digital technologies have advanced, so has the concept of marketing automation. E- marketing automation represents a natural progression in which traditional automation tools are integrated with emerging technologies such as artificial intelligence (AI) and machine learning (ML) (LAKSHMIPRIYANKA, 2023, p. 06). These innovations not only preserve the benefits of efficiency and scalability but also introduce new capabilities like real-time personalization, predictive analytics, and responsible data management. A recent study by Md Ahadul Islam and colleagues (2024) demonstrates how AI-driven digital marketing automation can significantly improve personalization strategies and predictive analytics, leading to more relevant customer experiences and enhanced campaign results researchgate.net. (Islam, 2024, p. 4510)

E- marketing automation goes beyond simple scheduling or interaction tracking; it creates a unified customer profile by consolidating data from multiple sources, such as email, social media, and websites. This integration enables marketers to deliver timely, hyper-personalized content that adapts to consumer behavior in real time. In this context, the fusion of traditional automation with digital tools becomes essential for gaining a competitive edge, as it allows businesses to respond rapidly to market trends and customer expectations. (Tetiana, 2024, p. 112)

## **2.2 The applications of E-marketing automations**

### **2.2.1 Automating email marketing**

Email marketing is a fundamental digital marketing channel that enhances customer engagement and sales through promotional, relationship-building, and transactional messages. Email service providers (ESPs) offer platforms to businesses to create, automate, and track email campaigns to enhance efficiency and customization. Emails can be broadly categorized into bulk (mass) emails and automated emails, with automation enabling timely and targeted communication. (Sayeed, 2023, p. 97)

Key uses involve personalized email campaigns, whereby audience

segmentation based on behavior and demographics maximizes engagement and conversion rates (Meyer, 2025) . Welcome messages and cart abandonment reminders are examples of trigger emails that maximize user experience and engagement (mailchimp, 2024). Drip programs nurture leads through automated sequences that maintain engagement with consumers in the long term. email Re-engagement programs also target inactive consumers through special offers or questionnaires to maximize retention (Holtrop, 2023, p. 480). A/B testing maximizes email strategy by testing content and subject line variations (Dan Ardelean, 2018, p. 410). Moreover, analytics and reporting provide crucial insights into email performance to facilitate ongoing optimization Finally, customer journey mapping allows for personalized communication across the sales funnel to maximize user experience and conversions (Morozov, 2022 , p. 2). Through these automated tools, organizations can execute smart and data-driven email campaigns that maximize digital marketing efficiency.

### **2.2.2 Social media automation**

Social media automation is essential for enhancing online presence and engagement for both researchers and businesses. It streamlines tasks like content management, interaction handling, and performance monitoring, improving overall efficiency. The following outlines how automation aids in key areas:

**Content Scheduling:** Automation enables researchers to pre-plan and schedule posts across diverse social media platforms. This capability is critical for ensuring a consistent online presence and for targeting audience engagement during peak activity periods (Guinness, 2024). Tools such as Buffer and Sprout Social exemplify how scheduled posting can accommodate different time zones and busy timetables. (Zote, 2024)

**Chatbots for Engagement:** Automated chatbots play a vital role in managing interactions on social media by promptly responding to frequently asked questions and comments. This immediate engagement enhances the quality of real-time communication, ultimately improving the overall customer service experience. (Suresh, 2024)

**Analytics and Reporting:** Automation simplifies the process of data collection and analysis by generating comprehensive reports on social media metrics. Platforms like Hootsuite and Agorapulse automatically compile data on audience engagement, reach, and performance, thereby offering researchers critical insights to fine-tune their content strategies.

**Social Listening:** Automated social listening tools monitor online conversations by tracking mentions, keywords, and discussions related to specific research topics. This functionality is instrumental in identifying emerging trends and gauging public sentiment, which in turn informs adjustments in outreach and communication strategies.

### **2.2.3 Chatbots automation**

Chatbots have become essential tools in automating customer interactions,

driving efficiency across various business functions. From enhancing customer support to optimizing marketing strategies, chatbots improve engagement and data collection. Here's how chatbot automation impacts key areas:

**Customer Support:** chatbots significantly influence customer experience by enhancing interactions at every stage of the customer journey—from initial engagement to retention. Their effectiveness largely depends on system quality and customization (Bouchra El Bakkouri, 2022, p. 435)

**A/B Testing and Marketing Automation:** Chatbot platforms facilitate A/B testing of different marketing strategies, allowing businesses to understand which messages resonate best with customers. This capability helps refine communication strategies over time, leading to increased efficacy in marketing efforts (Sandeep, 2024)

**Lead Generation and Qualification:** Automation through chatbots assists in lead generation by engaging visitors and qualifying leads through targeted questions. Research indicates that conversational agents like chatbots can effectively gather information from potential customers and guide them through the sales funnel, improving conversion rates. For instance, a well-designed chatbot can initiate conversations with website visitors, enhancing the chances of turning visitors into paying customers (Chia-Ying Li a, 2023, p. 08)

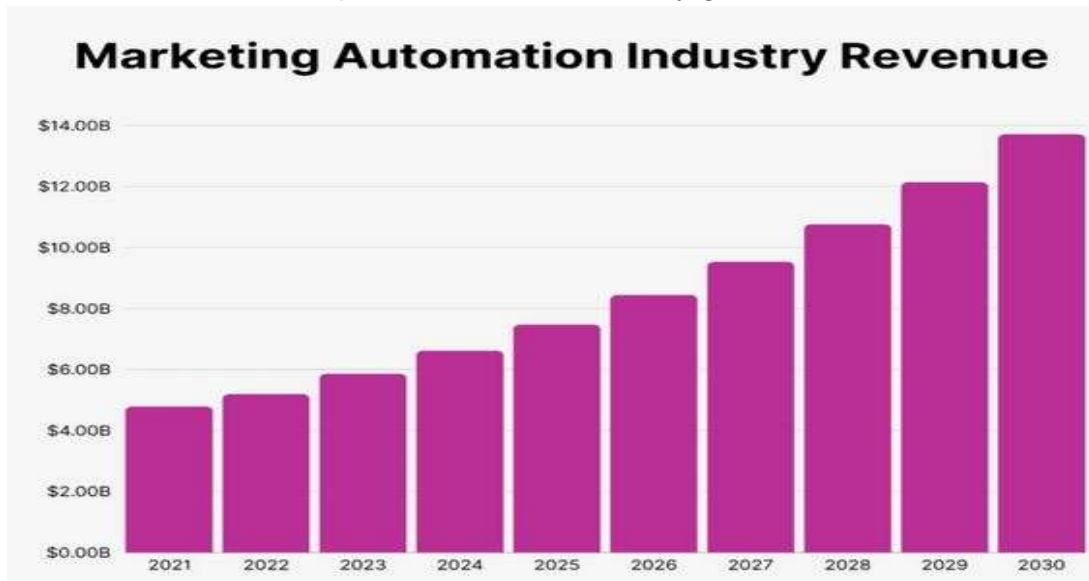
**Data Collection and Insights:** Chatbots effectively collect valuable data regarding customer preferences and behaviors. By analyzing this data, companies can tailor their marketing strategies more effectively. Studies have found that data gathered through chatbot interactions leads to better-targeted marketing campaigns and improved customer insights, driving better business decisions and strategies (Maderis, 2024)

### **3. An Analytic Study of E-Marketing Automation and Its Impact on Company Performance**

#### **3.1. Survey of Marketers: Adoption and Impact of E-Marketing Automation**

##### **3.1.1. Overview of E-Marketing Automation Adoption**

**Fig.1.** Automation Industry growth



**Source:** Backlinko Team. (2024, March 8). 15 key marketing automation statistics for 2025. Backlinko. <https://backlinko.com/marketing-automation-stats>

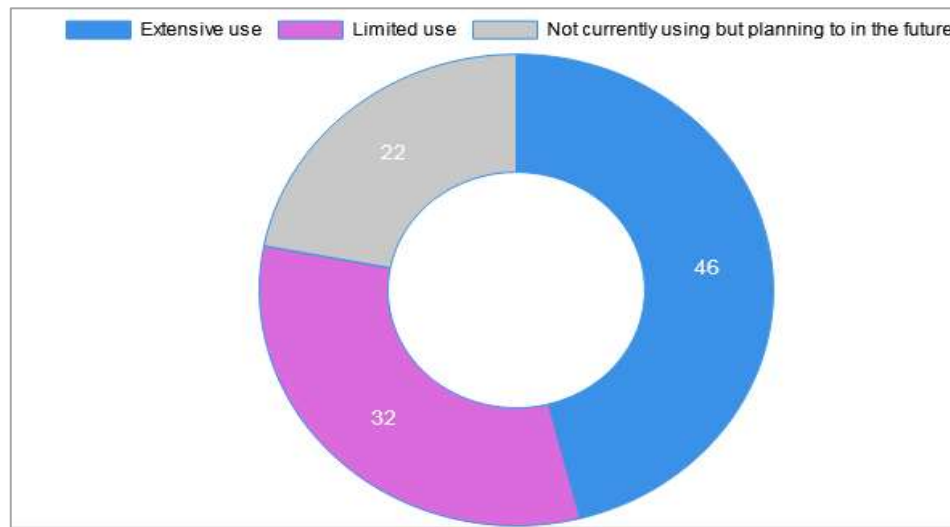
The chart illustrates a projected growth of the Marketing Automation Industry Revenue from 2021 to 2030 shows a consistent upward trend, with no declines or stagnation, indicating a steady rise in demand for marketing automation solutions. While the initial years (2021–2024) exhibit moderate growth, revenue expansion accelerates significantly from 2025 onward, reflecting increased adoption of automation technologies by businesses. By 2029, the industry is expected to surpass \$12 billion and approach \$14 billion by 2030, highlighting strong future market potential and a booming industry outlook.

We can also say that the rising revenue in the chart isn't just a market statistic it mirrors how companies are shifting budgets toward automation tools. This investment surge indicates that businesses now see automation as essential to remain competitive in a fast-evolving digital landscape.

### **The extensive use of marketing automation**

The following pie chart illustrates the adoption rates of e-marketing automation tools among marketing professionals. The chart highlights the percentage of marketers who have extensively adopted automation tools, as well as those who are either in the early stages of adoption or have not yet implemented them. The data presented in this chart underscores the growing trend of e-marketing automation adoption and provides valuable insight into how businesses are prioritizing the integration of automation into their marketing strategies.

**Fig.2.** Survey answered by companies' marketers to the extensive use of marketing automation



**Source:** Digital Silk. (n.d.). (2025), Marketing automation statistics. Digital Silk. <https://www.digitalsilk.com/digital-trends/marketing-automation-statistics/>

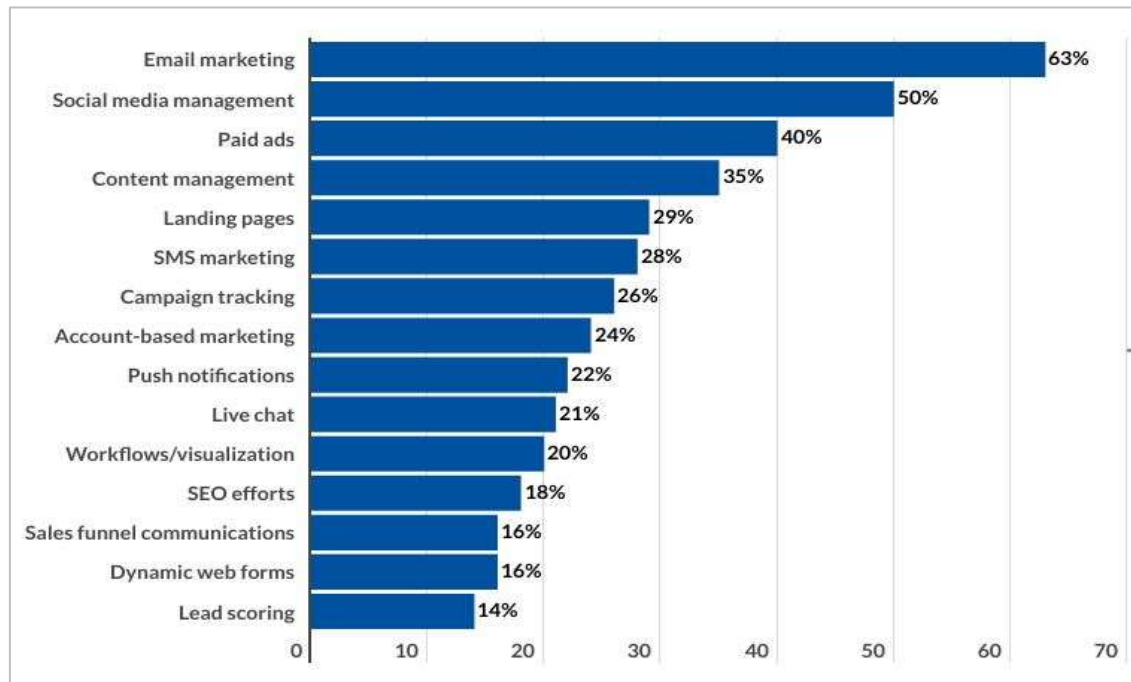
This chart shows that in total, 78% of marketers already use marketing automation (with 46% applying it extensively and 32% in a limited capacity), while the remaining 22% plan to adopt it in the near future, indicating continued market growth.

This widespread adoption illustrates how automation has evolved from a “nice-to-have” feature to a critical component of modern marketing, driving greater efficiency and more effective results.

### **3.1.2 Key E-Marketing Automation Tools in Use**

As e-marketing automation continues to gain momentum, a variety of tools have emerged to support marketers in streamlining their campaigns. These tools range from email automation platforms to social media management systems and customer engagement tools like chatbots. The chart below highlights the most commonly used e-marketing automation tools, showcasing their prevalence across different marketing strategies.

**Fig.3.** E-Marketing Automation Tools adoption



**Source:** Business of Apps. (n.d.). (2023), Marketing automation costs.

<https://www.businessofapps.com/marketplace/marketing-automation/research/marketing-automation-costs/>

The bar chart showcases a variety of marketing channels where automation tools are being applied, highlighting Email Marketing at the top with 63% adoption, followed by Social Media Marketing at 50%, and Paid Ads at 40%. The data suggests that email remains a cornerstone for automated outreach, likely due to its effectiveness in reaching subscribers with personalized content and drip campaigns. Meanwhile, the strong usage of social media automation underscores the importance of scheduling and analytics tools for platforms like Facebook, Instagram, and LinkedIn.

Overall, this snapshot of adoption rates affirms that marketing automation is not only a core part of e-marketing strategies but also a driving force in today's digital landscape. It allows organizations to streamline workflows, personalize consumer interactions, and measure performance with greater precision, ultimately enhancing both operational efficiency and marketing effectiveness.

### **3.2. Enhancing Company performance according to answers of marketer's survey**

#### **3.2.1. ROI in Marketing Automation**

Marketing automation delivers substantial financial returns. According to Backlinko (Backlinko, 2024) , about 65% of marketers report earning \$5 or more for every dollar invested, reflecting a potential 500% ROI. Woopra (Woopra, 2022) notes that companies also experience a 25% increase in lead conversion rates, while (Badalyan A. , 2025) indicate conversion improvements of up to 77% in some cases, and 76% of companies see ROI from marketing automation within a year. Additionally,

a 40% reduction in time spent on repetitive tasks (Woopra, 2022) boosts overall efficiency, supporting faster campaign execution and improved decision-making. With roughly 70% of companies planning increased automation budgets (Vaghasiya, 2025) reporting conversion improvements around 35%,

As a conclusion the data clearly affirm that investing in marketing automation yields strong ROI and enhanced performance.

### **3.2.2. Customer Engagement and Data Quality**

Marketing automation drives significant improvements in customer engagement and data quality.

(Backlinko, 2024) reports that 43% of marketers cite enhanced customer experience as a key benefit of automation, while (Badalyan A. , 2025) indicates a 25% increase in lead conversion rates due to more effective, timely communications. Additionally, (Hinga, 2025) highlight that automation enhances data quality by providing real-time insights and reducing errors, and (Vaghasiya, 2025) documents roughly a 35% improvement in targeted marketing outcomes.

Collectively, these findings demonstrate that marketing automation not only personalizes customer interactions but also improves the accuracy of data critical for informed decision-making.

### **3.2.3. Improved Analytics and Reporting**

Improved analytics and reporting in marketing automation drive significant performance enhancements. For example, integrated analytics enable real-time tracking of KPIs, leading to a 20–30% boost in overall campaign performance (Badalyan A. , 2025). (Backlinko, 2024)) notes that companies using these tools can see up to a 35% improvement in targeted marketing outcomes, while (Vaghasiya, 2025) reports that automated analytics reduce manual reporting time by around 40%, allowing teams to focus on strategic optimizations.

### **3.2.4. Efficiency Gains and Time Savings**

Marketing automation delivers substantial efficiency gains: it can reduce time spent on repetitive tasks by up to 40% (Backlinko, 2024) meaning significant hours saved per week. Additionally, it increases campaign rollout speed by an estimated 20–30% (Vaghasiya, 2025) and improves communication consistency by around 35% (Badalyan A. , 2025) These data translate to cost savings and enhanced operational effectiveness, enabling marketing teams to focus on strategic initiatives and improve overall performance.

In conclusion, marketing automation significantly enhances overall company performance by streamlining processes, improving customer engagement, and optimizing data management. By automating key marketing tasks, businesses are able to focus on strategic initiatives while increasing operational efficiency and reducing manual workload. The integration of automation tools leads to more timely and personalized communication with customers, which in turn strengthens relationships and improves conversion rates. Furthermore, automation supports better decision-making through improved data quality and advanced analytics, ultimately driving

more effective marketing campaigns. As a result, marketing automation proves to be an essential component for companies looking to achieve sustained growth and competitive advantage in the digital landscape.

3.3. Case Study: Real-World Application of E-Marketing Automation in Business Performance

Table 01: Comparative Table: Pre/Post Automation Email Metrics

| Metric                    | Manual Baseline | Automated Performance | Improvement % | Source           |
|---------------------------|-----------------|-----------------------|---------------|------------------|
| Open Rates                | 35.63%          | 51.25%                | 43.78%        | (Parkes, 2024)   |
| Click-Through Rates (CTR) | 2.62%           | 4.68%                 | 78.97%        | (Parkes, 2024)   |
| Conversion Rate           | 1.8%            | 3.5%                  | 94.44%        | (Donnelly, 2024) |
| Revenue Growth            | \$1,000         | \$3,200               | 220%          | (Algoedt, 2025)  |

Source: the author based on repot statistics

The table reveals that transitioning from manual to automated digital marketing yields significant improvements across all key metrics. Specifically, open rates increased by 43.78% and click-through rates by 78.97%, while conversion rates nearly doubled with a 94.44% improvement. Most notably, revenue experienced a 220% increase. These results underscore the substantial impact of automation on enhancing both user engagement and overall financial performance. In the following section, we will provide a comprehensive analysis of the table's metrics, exploring the significance of each improvement based on the statistics reports.

Impact of E-Marketing Automation on Marketing Performance  
Conversion and Engagement Improvements Through Automation

Digital marketing automation has been empirically shown to yield considerable enhancements in key email performance metrics, particularly those linked to revenue. Research indicates that conversion rates, which serve as a proxy for revenue performance, improve markedly with automation. For example, Apteco reports increases up to 320% (Parkes, 2024), while Bloomreach observes enhancements between 100% and 200% (Donnelly, 2024) .Additional case studies have noted improvements of 104% and as high as 349% in specific automated campaigns (Algoedt, 2025). Although open rates and click-through rates also improve post-automation, the most significant gains are consistently observed in conversion-related outcomes.

Operational Efficiency Gains

Emerging studies suggest that email automation significantly enhances operational efficiency. A primary benefit is the notable reduction in time per campaign: estimates indicate time savings of around 6 hours weekly (Benchmark, 2023) and between 10 and 15 hours (sensorpro, 2023) . Beyond time savings, automation improves list

segmentation accuracy by up to 50%, as indicated by improved click-through rates (Sharma, 2024). Furthermore, the enhanced targeting and personalization enabled by automated campaigns are associated with lower unsubscribe rates, with some triggered emails recording rates as low as 0.38% (Badalyan, 2025). Although detailed before-and-after comparisons for bounce rates are less consistently available, the overall improvements in list hygiene clearly highlight the operational benefits of automation.

**Social Media Metrics Improved by Automation**

Penington (2024) reports that automation in digital marketing significantly enhances social media engagement metrics. Automated posting increases overall engagement by approximately 50%, with certain B2C Instagram accounts recording boosts of up to 75%. Additionally, chatbots are shown to reduce response times by nearly 70%, with TikTok noting a 65% reduction. AI-driven content scheduling further improves organic reach by an average of 65% and in some cases up to 70% across platforms including Instagram, Facebook, and TikTok. Moreover, automation leads to a 60% increase in Facebook post frequency, while an optimal posting frequency of three times per day on Instagram appears to maximize engagement without causing audience fatigue. In the retail sector, automated messaging on Facebook has resulted in over an 80% improvement in response rates (STELZNER, 2024)

**Table 02:** Response Time Comparison Table: Manual vs. Chatbot

| Platform  | Manual Response Time | Chatbot Response Time | Improvement |
|-----------|----------------------|-----------------------|-------------|
| Facebook  | 2 minutes            | 30 seconds            | 75%         |
| Instagram | 1 minute             | 15 seconds            | 75%         |
| TikTok    | 1.5 minutes          | 30 seconds            | 66%         |
|           |                      |                       |             |

**Source:** the author based on repot statistics

The data clearly demonstrates the significant impact of chatbots on response times across various social media platforms. Facebook and Instagram show the most substantial improvements, with a 75% reduction in response time when using chatbots compared to manual responses. While TikTok's improvement is slightly lower at 66%, it still represents a considerable enhancement in customer service efficiency through the implementation of chatbot technology.

**4. Conclusion**

The article emphasizes several standout benefits of e-marketing automation that directly tie to its effectiveness. By automating repetitive tasks, it saves valuable time, allowing marketing teams to focus on strategy and creativity rather than manual processes. This time efficiency translates into faster campaign execution and quicker responses to customer needs. Additionally, automation drives higher conversion rates by leveraging data to personalize interactions—whether through tailored emails, targeted social media content, or responsive customer support—ensuring that the right message reaches the right audience at the right moment. The technology also improves

ROI by optimizing resource allocation and refining campaign precision, meaning businesses see stronger returns from their marketing investments without wasted effort.

These benefits shine through in the practical applications discussed. In email marketing, automation enables personalized, timely messages that deepen customer engagement. On social media, tools like automated scheduling and chatbots ensure consistent presence and real-time interaction, strengthening brand connections. In customer support, automation delivers prompt, efficient solutions, enhancing satisfaction and loyalty. Together, these applications demonstrate how automation doesn't just simplify tasks—it elevates overall marketing performance.

Finally, we can say that in today's fast-moving and competitive landscape, electronic marketing automation is a must-have. Companies that adopt it are better equipped to create lasting bonds with customers, streamline their work, and set themselves up for long-term success. As the digital world keeps changing, automation will continue to be a vital force in helping businesses stay ahead.

### Bibliography List

1. Algoedt, N. (2025, 01 25). *B2C email marketing: Best practices, examples, and tools for 2025*. Retrieved from useinsider.com/: <https://useinsider.com/b2c-email-marketing/>
2. Backlinko. (2024, 03 08). *15 key marketing automation statistics for 2025*. Retrieved 03 7, 2025, from backlinko.com: <https://backlinko.com/marketing-automation-stats>
3. Badalyan. (2025, 03 11). *Top 30 Marketing Automation Statistics For 2025: ROI, Trends & More*. Retrieved from digitalsilk.com: <https://www.digitalsilk.com/digital-trends/marketing-automation-statistics/>
4. Badalyan, A. (2025, 02 02). *Top 30 Marketing Automation Statistics For 2025: ROI, Trends & More*. Retrieved 01 02, 2025, from digitalsilk.com: <https://www.digitalsilk.com/digital-trends/marketing-automation-statistics/>
5. Bagshaw, A. (2015). What is marketing automation. *Journal of Direct, Data and Digital Marketing Practice*.
6. Benchmark. (2023, 02 23). *How Marketing Automation Turns Back Time*. Retrieved 01 15, 2025, from benchmarkemail.com: <https://www.benchmarkemail.com/blog/how-marketing-automation-saves-time/>
7. Bouchra El Bakkouri, S. R. (2022). The Role of Chatbots in Enhancing Customer Experience. *ScienceDirect*, 432-437.
8. Chia-Ying Li a, Y.-H. F.-H. (2023). Can AI chatbots help retain customers? An integrative perspective using affordance theory and service-domain logic. *Technological Forecasting and Social Change*, 1-13.
9. Dan Ardelean, A. D. (2018). Performance Analysis of Cloud Applications. *USENIX*, 405-417.
10. Donnelly, I. (2024, 04 22). *Email Conversion Rate: Industry Benchmarks*. Retrieved 02 22, 2025, from bloomreach.com: <https://www.bloomreach.com/en/blog/email-conversion-rate>
11. Guercini, S. (2023). Marketing automation and the scope of marketers' heuristics. *Management Decision*, 295-320.
12. Guinness, H. (2024, 12 20). *The 7 best social media management tools in 2025*. Retrieved 02 03, 2025, from zapier.com: <https://zapier.com/blog/best-social-media-management-tools/>

13. Hinga, D. (2025, 02 25). 35+ *Marketing Automation Statistics: The Definitive Guide [2025]*. Retrieved 03 12, 2025, from cropink.com: <https://cropink.com/marketing-automation-statistics>
14. Holtrop, N. &. (2023). Timing Customer Reactivation Initiatives. *International Journal of Research in Marketing*, 570-589.
15. Islam, M. A. (2024). Artificial intelligence in digital marketing automation: Enhancing. *delweiss Applied Science and Technology*, 6499-6515.
16. LAKSHMIPRIYANKA, M. H. (2023). A Study on Artificial Intelligence in Marketing. *International Journal for Multidisciplinary Research*, 1-12.
17. Maderis, G. (2024, 06 25). *Top 22 benefits of chatbots for businesses and customers*. Retrieved from zendesk.com: <https://www.zendesk.com/blog/5-benefits-using-ai-bots-customer-service/#>
18. mailchimp. (2024). *Automatisation des e-mails* . Retrieved from mailchimp: <https://mailchimp.com/marketing-glossary/email-automation/>
19. Mero, J. T. (2020). Effectual and causal reasoning in the adoption of marketing automation. . *Industrial Marketing Management.*, 2012-2022.
20. Meyer, B. (2025, 01 25). *Email automation in 2025: Complete guide + examples & tools*. Retrieved 03 14, 2025, from omniscend.com: <https://www.omniscend.com/blog/email-automation/>
21. Morozov, V. (2022 ). Use of Customer Journey Maps for Data Mining in the Start-up Projects. *International Conference on Smart Information Systems and Technologies (SIST)* (pp. 1-4). Nur-Sultan, Kazakhstan: IEEE.
22. Parkes, O. (2024, 12 04). *B2C email marketing statistics in 2025: Trends and benchmarks* . Retrieved from apteco.com: <https://www.apteco.com/insights/blog/state-b2c-email-marketing>
23. Salo, Y. (2023). Automation of marketing activities as a consequence of society informatization. *Naukovij Poglâd: Ekonomika Ta Upravlînnâ.*, 100-104.
24. Sandeep. (2024, 12 26). *How ai chat bots are transorming digial marketing* . Retrieved from fastbots.ai: <https://fastbots.ai/blog/how-ai-chatbots-are-transforming-digital-marketing-strategies>
25. Sayeed, I. (2023). EMAIL MARKETING – ROLE IN IMPROVING CUSTOMER . *EPRA International Journal of Economics, Business and Management Studies*, 95-99.
26. sensorpro. (2023, 10 10). *Automation in email marketing*. Retrieved 02 01, 2025, from sensorpro.eu: <https://sensorpro.eu/blog/automation-in-email-marketing-more-than-just-saving-time/>
27. Sharma, A. (2024, 12 05). *Email Marketing Statistics for 2025*. Retrieved from qrcodechimp.com: <https://www.qrcodechimp.com/email-marketing-statistics/>
28. STELZNER, M. .. (2024). *How Marketers Are Using Social Media to Grow their businesses*. Social Media Examiner.
29. Suresh, A. (2024, 05 22). *Social Media Automation: A Quick Guide for Businesses*. Retrieved 02 24, 2025, from sprinklr.com: <https://www.sprinklr.com/cxm/social-media-automation/>
30. Tetiana, A. (2024). DIGITAL MARKETING. *SCIENTIA FRUCTUOSA*, 100-117.
31. Vaghasiya, K. (2025, 02 13). 45+ *Marketing Automation Statistics & Trends in 2025*. Retrieved 03 12, 2025, from wisernotify.com: <https://wisernotify.com/blog/marketing-automation-stats/>
32. Woopra. (2022). *Marketing automation statistics*. Retrieved 01 15, 2025, from woopra.com: <https://www.woopra.com/blog/marketing-automation-statistics>
33. Zote, J. (2024, 04 24). *7 effective social media automation tools to use in 2025*. Retrieved from sproutsocial.com: <https://sproutsocial.com/insights/social-media-automation-tools/>