



Emerging Marketing Technologies

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Abstract— Nowadays, the digital landscape is changing swiftly, and Emerging Marketing Technologies are reorganizing how businesses engage with their customers. Technologies such as Augmented Reality (AR), Virtual Reality (VR), Artificial Intelligence (AI), and Blockchain are transforming the marketing landscape by providing new and exciting ways to engage with customers. This enables companies to engage with customers, delivering immersive, personalized, and interactive experiences that enhance customer value, drive deeper engagement, and drive increased revenue. This report shows the benefits and challenges of integrating AR, VR, and Metaverse technologies into marketing strategies. On the upside, they can bring personalized customer experiences, increased efficiency, and a reduction in costs, while drawbacks range from high setup and maintenance costs to a shortage of properly qualified professionals as well as the need for continuous innovation. Moreover, It showcases case studies of successful brand examples and proposes future strategies for businesses to remain competitive and strengthen their position in the market in the digital age. For instance, Brands that have succeeded such as Gucci, BMW, and Nike. They show the commercial efficacy of these trends to drive business growth and loyalty for the customers. The adoption of AR, VR, and the Metaverse can help businesses to create omnichannel experiences, customize customer experiences and engagement, and thus develop businesses for long-term success. The report also considers the trends and strategies for businesses that emphasize the importance of integrating new technologies. By adopting emerging marketing technologies, businesses can maintain their competitiveness, enhance customer experiences, and ensure sustainability in a rapidly changing market. As technology continues to advance, businesses need to keep in touch to stay competitive as well as understand the importance of Emerging Marketing Technology, which is critical to achieving success in today's marketplace.

Index Terms - Emerging Marketing Technologies, Augmented Reality(AR), Virtual Reality(VR), Metaverse.

I. INTRODUCTION

Emerging Marketing Technologies are advanced tools and systems like AR, VR, AI, Blockchain and the Metaverse, allowing brands to interact with consumers in more immersive, personalized, and interactive ways.

II. OVERVIEW OF EMERGING MARKETING TECHNOLOGIES: AR, VR, AND THE METAVERSE

A. Emerging Technologies in Marketing

Emerging technologies such as Augmented Reality (AR), Virtual Reality (VR), and the Metaverse are revolutionizing the way businesses interact with customers and creating new opportunities for innovation in marketing. These advancements are not only reshaping the relationship between consumers and businesses but also enabling organizations to expand their market reach and redefine business models in the digital age. By integrating these technologies into marketing strategies, businesses can deliver immersive and personalized experiences that meet the needs of modern customers .



Figure 1 - Emerging technologiesSource: Simovat (n.d.).

AR enhances real-world experiences by integrating digital elements such as images and sounds, creating dynamic and engaging interactions. For example, the IKEA Place app allows users to visualize furniture in their homes before making a purchase, helping to reduce mismatches in selection and improve convenience . According to research from Shopify, customers interacting with 3D product models are 27% more likely to make a purchase, while those using AR to visualize products are 65% more likely to buy . Similarly, Sephora’s virtual makeup try-on feature allows customers to digitally try products, leading to more informed purchasing decisions, reduced return rates, and higher satisfaction levels. Research from Braze shows that in Southeast Asia, Sephora saw a 28% growth in AR adoption and a 48% increase in overall visits to its AR feature . These examples demonstrate AR’s ability to bridge the gap between physical and digital experiences, enhancing personalization and engagement.

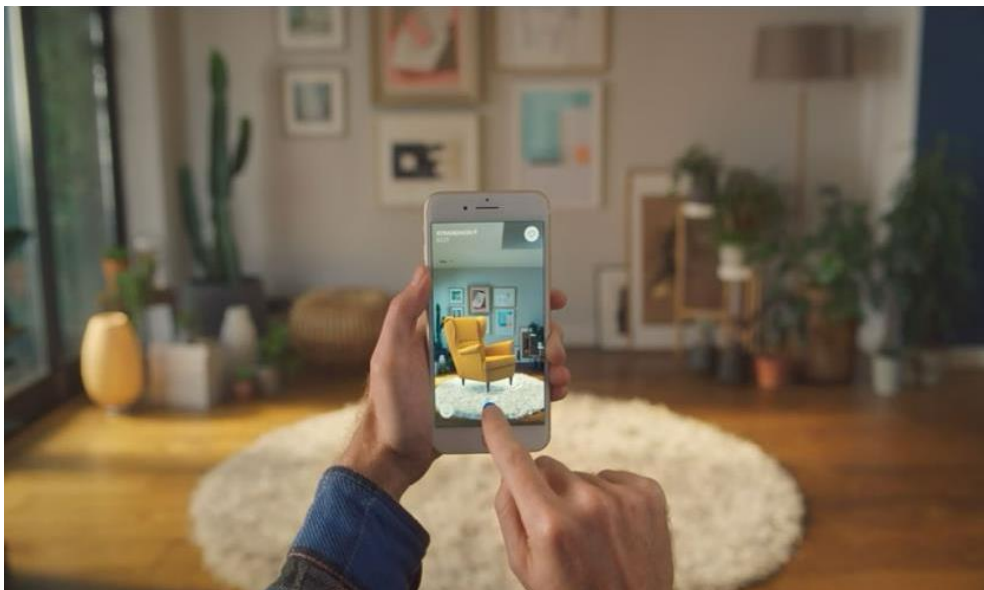


Figure 2 - IKEA’s Place app allows users to visualize furniture in their homes. Source: IKEA. (n.d.).

Meanwhile, VR offers fully immersive experiences where users can explore and interact with content. In the travel industry, Tourism Australia's virtual tours allow potential visitors to experience destinations remotely, encouraging them to book trips [5]. This type of experiential marketing helps create emotional connections and influences consumer decisions. Similarly, in the real estate sector, VR enables potential buyers to take detailed virtual property tours without the need for in-person visits. By providing immersive remote experiences, VR expands opportunities for customer interaction across various industries. According to data from the VR/AR Association, 85% of marketers report that VR experiences strengthen customer engagement, highlighting VR's impact on transforming marketing strategies.



Figure 3 - Tourism Australia's virtual tours allow potential visitors to experience destinations remotely. Source: Tourism Australia. (n.d.).

The Metaverse takes digital interaction to the next level with a three-dimensional virtual space that connects multiple worlds. Companies like Gucci have opened virtual stores on platforms like Roblox, engaging younger, tech-savvy customers through creative and interactive experiences . The growth of the Metaverse is demonstrated by its market size of \$83.9 billion in 2023, with projections to reach \$1.3 trillion by 2030, growing at a compound annual growth rate (CAGR) of 48% during this period. Furthermore, platforms like Decentraland allow businesses to host virtual events and showcase products, creating new opportunities for consumer connection and interaction .



Figure 4 - Gucci's virtual stores on platforms Roblox. Source: Gucci. (2022)

B. Connection to Marketing Principles

The elementary principles of marketing (established by Philip Kotler), serve as the foundation for effective marketing strategies. Emerging marketing technologies, including Augmented Reality (AR), Virtual Reality (VR), and the Metaverse, have been found to strongly connect with these principles. By using these technologies, businesses can provide customer value, enhance interaction, and stay competitive in a fast-changing market .

Providing Customer Value is an essential marketing principle, and emerging technologies have enabled businesses to offer enhanced customer value. For example, businesses can use AR to allow customers to visualize products in their environment, enhancing the shopping experience and increasing the likelihood of a purchase . Similarly, VR can be used to create interactive and captivating experiences that simulate real-world situations, offering customers a deeper understanding of products and services .

The interactive nature of AR and VR also helps develop deeper engagement, grabbing the attention of consumers in a crowded digital landscape. For example, a company can use VR to transport customers to a virtual world, where they can interact with products and services in a unique and captivating way. This not only boosts interaction but also increases brand loyalty and helps maintain customers .

Staying Competitive is another critical principle of marketing, and emerging technologies have made it possible for businesses to distinguish themselves in a competitive market. By adopting AR, VR, and Metaverse strategies, Companies can remain competitive and innovative, developing new income sources and business models. For example, a company can use the Metaverse to create a virtual storefront, allowing customers to purchase products and services in a virtual environment . This not only enhances the customer experience but holds a competitive advantage for businesses in the market .

In conclusion, emerging marketing technologies are strongly matched with the elementary principles of marketing, allowing businesses to offer customer value, enhance connection, and stay competitive. As

the marketing landscape continues to develop, businesses must stay ahead of the curve and adopt emerging marketing technologies to remain competitive and relevant in the market .

Combining emerging marketing technologies with core principles can transform how businesses engage with customers. By enhancing value, boosting interaction, and staying competitive, companies build a foundation for long-term success. While the market continuously develops, businesses must evaluate and adjust their strategies to preserve their customer and be customer-centric in a dynamic environment .

Application of Emerging Technologies in Marketing

Integrating AR, VR, and the Metaverse into marketing strategies brings several benefits. These technologies personalize the customer journey by offering immersive and tailored interactions. They also break geographical barriers, enabling businesses to reach global audiences effortlessly. Moreover, by leveraging AI-driven analytics, companies can optimize customer segmentation and improve campaign effectiveness. These innovations are particularly well-suited for younger generations, such as Gen Z, who value digital-first and interactive content .



Figure 5- Customer journey mapping process. Source: FieldCheck (n.d.).

In addition to customer engagement, these technologies drive innovation in business models. AR and VR enable virtual product trials and digital services like NFTs, reducing costs while aligning with evolving consumer preferences. Continuous engagement through AR, VR, and the Metaverse strengthens emotional connections with customers, fostering loyalty and sustainable engagement. Moreover, the ability to deliver virtual experiences efficiently saves time and resources for both businesses and consumers. For example, the use of VR in real estate reduces the need for in-person visits, cutting down operational costs for businesses while providing a more convenient and accessible experience for customers.



Figure 6 -Emerging marketing technologies to engage customers and expand market reach. Source: Creative Fabrica (n.d.).

C. Integrating Emerging Technologies with Marketing Strategies

When combined with traditional marketing frameworks, such as the Marketing Mix and Segmentation, Targeting, and Positioning (STP), these technologies represent a paradigm shift in marketing. AR, VR, and the Metaverse enable businesses to create more immersive, personalized, and scalable strategies, helping them stay competitive in an ever-evolving digital landscape [1], [8]. By embracing these innovations, companies can meet the growing demands of modern consumers and establish a strong position in the global market.



Figure 7- Marketing Mix Strategies. Source: SlideShare (2020).

III. BENEFITS AND CHALLENGES OF EMERGING MARKETING TECHNOLOGIES

A. The Benefits

As businesses look for ways to attract clients, they are increasingly using AI chatbots, augmented reality (AR), and virtual reality (VR) as engagement tools. Try on clothes virtually with AR or pay a visit to a brand's heritage via VR – there's no question that these are experiential and entertaining .

The personalized customer experience is another significant advantage. Data analysis and machine learning can assist businesses in creating tailored content, recommending substantially relevant products, and targeting advertising . Such high level of personalized services fosters stronger associations and encourages repeat business among the customers.

These technologies, as they always do, allow for greater efficiency while incurring lower costs. For instance, routine work like email marketing and social networks management is automated, which lets a company work on strategic objectives . Online platforms indeed allow one to target millions of potential customers around the world and therefore a range of new markets to tap into .

B. Applying virtual reality and metaverse technology in marketing

Some brands have already expanded their marketing strategies to include VR and the metaverse as integral components, delivering new approaches that resonate with their target audience while strengthening their position in the market. A successful example of immersive brand experiences is

Gucci's "Gucci Garden" on Roblox. This metaverse emulated the famous art scene of Florence where users could virtually visit exhibitions, attend virtual fashion shows, and buy exclusive virtual goods for their avatars. In less than a month, the destination attracted over 20 million visits and earned Gucci \$1.2 million in sales of limited-edition virtual products .



Figure 8 - Gucci's "Gucci Garden" on Roblox. Source: Roblox

BMW has begun implementing VR technology in some of its showrooms, allowing potential buyers to take virtual test drives. It creates an opportunity for consumers to test the features of the desired product without requiring a model to be present, reducing transportation costs significantly for the business. This led to a higher conversion rate from lead to buyer, while providing useful data for product enhancement in the future .



Figure 9 - BMW has begun implementing VR technology in some of its showrooms. Source: bmw.com

Likewise, Nike introduced NikeLand, the original virtual space from the brand on Roblox, where users could engage in games and shop for Nike products. It was a clever way to combine entertainment with branding, attracting millions of people to participate and further engaging them with the brand, especially Generation Z. At NikeLand, which launched in November 2021, 7 million visitors spent time, according to Nike [14]. According to Strategy Analytics, the global metaverse market was valued at \$6.16 billion in 2021 and is expected to grow to \$41.62 billion by 2026, demonstrating its huge potential .



Figure 10 - Nike introduced NikeLand. Source: Nike.com

C. The Challenges

But of course the introduction of these tools comes with its own set of challenges. The price of setting up as well as maintenance costs can pose a real challenge for most micro and small enterprises .

A shortage of properly qualified individuals is another hurdle. The deployment of such technologies is not straightforward and requires programming, data analysis, technology management and several other skills. Staff training and hiring specialists may require an even longer time and more money.

IV. TRENDS AND FUTURE STRATEGIES

A. Integration of New Technologies

Inside long haul, propels such as Virtual Reality (VR), Extended Reality (AR), and the Metaverse are anticipated to create through and through, playing an imperative portion in exhibiting. These propels not because they grant uncommon experiences but additionally offer help businesses bolt in more closely with their clients. For events, AR and VR can be utilized to offer clients a virtual thing inclusion without going by physical zones. The Metaverse, with its capacity to make computerized spaces, opens up openings for encouraging events, appears, and inventive brand cleverly, pulling within the thought of more young times .

B. Proposed Strategies for Businesses

Based on Philip Kotler's standards, showcasing methodologies within the innovation time ought to center on combining online and offline encounters to improve client engagement. Key suggestions



incorporate:

Creating omnichannel methodologies to synchronize client encounters over physical stores and advanced stages. Leveraging Enormous Information and Manufactured Insights (AI) to personalize client encounters . Utilizing intuitively innovations such as AR/VR to provide imaginative and compelling brand messages, whereas cultivating energy and long-term engagement .

V. CONCLUSION

A. Summary of Key Points

Developing innovations like AR, VR, and the Metaverse open unused openings for showcasing development and client engagement. Methodologies grounded in Kotler's standards, such as omnichannel integration and technology-driven personalization, guarantee optimized client encounters .

B. Affirming the Sustainability of Marketing Principles

Showcasing standards stay profitable not as it were in conventional techniques but moreover in illustrating their supportability when connected to advanced innovations. By coordination unused innovations, businesses can maintain center values whereas extending their inventiveness and competitiveness in a energetic showcase .

ACKNOWLEDGMENT

We sincerely thank the faculty and staff of the Saigon International School of Business at Ho Chi Minh City University of Banking for their exceptional guidance and support throughout the course of this research.

Special thanks to our team members—Vu Ngoc Minh, Tran Thi Ngoc Lan, Nguyen Minh Hung, Bui Truong Hanh Chi, and Lam Hoang Bao Ngoc—for their commitment and teamwork in assembling this thorough analysis of emerging marketing technologies.

Additionally, we acknowledge the contributions of companies and platforms such as IKEA, Sephora, Gucci, BMW, and Nike, whose innovative strategies inspired our study. We also recognize the various sources and research institutions referenced in this work for their valuable input into the field.

Finally, we would like to take this opportunity to express our sincerest gratitude to our families and friends for their endless motivation and constant help while preparing this report.

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