

Media Technology Innovation in the Transformation of the Entertainment Industry

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ABSTRACT

The entertainment industry has experienced significant paradigmatic changes thanks to breakthroughs in media technology. Innovations in media technology have been a key driver in the transformation of the entertainment industry, changing the way entertainment content is produced, distributed and consumed. This paper aims to present a comprehensive picture of how media technology innovations have changed the landscape of the entertainment industry. The biggest change brought about by media technology innovation is its impact on content production. In the past, entertainment content production was limited by budgets and expensive physical infrastructure. However, with the development of technology such as CGI (Computer Generated Imagery), VR (Virtual Reality), and AR (Augmented Reality), these limitations have been erased. Now, content producers have access to tools and techniques that enable them to create more immersive and engaging experiences for audiences.

Keyword : Media Technology Innovation, Transformation Of The Entertainment Industry, Social Media, Production Creativity.

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Article history:

Received Jun 25, 2024

Revised Jun 27, 2024

Accepted Jun 30, 2024

1. INTRODUCTION

The entertainment industry has been one of the most dynamic and fast-growing sectors in recent decades, with particularly significant changes taking place thanks to breakthrough media technologies. This transformation has permeated every aspect of the entertainment industry, from production to distribution and consumption of content. In this introduction, we will discuss the pivotal role played by media technology innovations in fundamentally changing the landscape of the entertainment industry. Previously, the production and distribution of entertainment content was limited by physical and technological limitations. However, with the development of media technology, these limitations have been eroded. The emergence of technologies such as CGI, VR, AR, and streaming platforms has opened the door for greater creativity and innovation in the industry. This has led to the growth of more diverse content and more immersive experiences for audiences. In addition, media technology innovations have also changed the way we interact with entertainment content. Social media and other digital platforms have become the hub of fan communities, allowing them to share, discuss and participate in unprecedented ways. It has also opened up new opportunities for customized marketing and a more engaged user experience. However, while media technology innovation has brought many benefits to the entertainment industry, there are also challenges that need to be overcome. Data privacy, content misuse, and technology access gaps are some of the issues that need to be taken seriously. Therefore, it is important for industry stakeholders to work together to address these challenges and ensure that innovation continues in line with ethical values and fairness. Thus, through this introduction, we can see how media technology innovation has become a major driving force in the transformation of the entertainment industry. By continuing to push the boundaries of creativity and facing challenges wisely, the entertainment industry can continue to grow and evolve to meet the changing demands of the times.

2. RESEARCH METHOD/MATERIAL AND METHOD/LETERATURE REVIEW

Developments in Computer Technology Increasingly advanced computer technology, such as faster processing capabilities and greater storage capabilities, has opened the door for innovations in the production and presentation of entertainment content.

CGI (Computer Generated Imagery) Technology CGI technology has changed the way movies and television are produced. It allows content creators to create fantasy worlds that are physically impossible to realize.

(Son. 2023)

Social Media Social media has become the primary place for fans to interact with entertainment content and fellow fans. It has provided new opportunities for promotion and marketing, as well as strong community building around specific content. Social media as a collection of software that allows individuals and communities to come together, share, communicate, and in certain cases collaborate or play with each other. Social media has a strength in user-generated content (UGC) where content is generated by users, not by editors as in mass media agencies. Social media has become the primary place for fans to interact with entertainment content and fellow fans. It has provided new opportunities for promotion and marketing, as well as strong community building around specific content.(Sari. 2018)

Advancements in Audio and Visual Technology Developments in audio and visual technology, such as high resolution, surround sound, and curved screen technology, have improved the viewing experience for users at home and in theaters. (Gabriela.2021)

Internet Internet is the infrastructure that connects computers with other hardware. This connection is necessary because communication can occur if computers are connected, including the transfer of data. The Internet has changed the way entertainment content is distributed and accessed. The emergence of streaming platforms and on-demand video services has replaced traditional distribution models such as cable television and movie theaters. (Sari. 2018)

Virtual Reality (VR) and Augmented Reality (AR) Virtual reality refers to the use of computers to simulate an experience in a way that is similar to reality. VR and AR have taken entertainment experiences to a more interactive and immersive level. They are used in games, movies, and other applications to create a more immersive experience for users. (Sari. 2018)

Streaming Platforms Platforms such as Netflix, Amazon Prime, and Disney+ have changed the way entertainment content is presented and consumed. They offer easy access and personalized content for users around the world. (Ruddin, et al. 2022)

Data Analytics The use of data analytics in the entertainment industry allows content producers to understand user preferences better. This helps them in producing content that is more relevant and appealing to their audience.

3. RESULTS AND DISCUSSION

The results of research on media technology innovation in the transformation of the entertainment industry show that the development of media technology has had a significant impact on the entertainment industry. Various media technology innovations such as Virtual Reality (VR), Augmented Reality (AR), streaming platforms, and data analytics have changed the way entertainment content is produced, distributed, and consumed. At the content production level, technologies such as CGI have enabled content creators to create spectacular visual effects and unimaginable fantasy worlds. VR and AR have also provided opportunities to create more immersive and interactive experiences for traditional distribution models such as movie theaters and cable television. This gives consumers greater control over what they watch and when they watch it, and opens the door for independent and non-mainstream content to reach a wider audience.

The use of data analytics has also been an important factor in the transformation of the entertainment industry. With in-depth data analysis of consumer behavior and market trends, content producers can produce content that is more in line with user preferences and optimize content marketing and distribution strategies. However, while media technology innovations have brought many benefits to the entertainment industry, there are also challenges that need to be overcome. One of them is challenges related to data privacy and information security, especially in the context of using data analytics. In addition, there are still issues relating to copyright and content piracy in an ever-changing digital environment. Further discussion of the results of this study can highlight the importance of collaboration between stakeholders in the entertainment industry, technology and policy to address these challenges and ensure that media technology innovation contributes positively to the growth and sustainability of the entertainment industry. With a thoughtful and sustainable approach, media technology innovation can continue to take the entertainment industry in a more advanced and inclusive direction.

4. CONCLUSION

Overall, media technology innovations have played a crucial role in the transformation of the entertainment industry. Technologies such as Virtual Reality (VR), Augmented Reality (AR), streaming platforms and data analytics have changed the paradigm of entertainment content production, distribution and consumption. Overall, media technology innovations

have brought about a significant transformation in the entertainment industry, opening up new opportunities and enabling more diverse and engaging entertainment experiences for users. By continuing to adopt and develop innovative media technologies, the entertainment industry can continue to evolve and deliver more engaging and relevant content to users around the world.

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- What is the Role of Technology in the Entertainment Industry?" in Warta Ekonomi explains the use of O2O systems, analytical data, and internet penetration in increasing efficiency and connectivity in the entertainment industry (Warta Ekonomi)
- Virtual Exhibition, Technological Innovation in the Entertainment and Creative Industry" on Kempalan.com discusses how virtual exhibitions are a solution during the COVID-19 pandemic, enabling online interaction and the use of 360
- Journal of Educational Technology Innovation" at Yogyakarta State University includes various articles about technological innovation in education that are relevant to the transformation of the entertainment industry (UNY Journal).
- Nuon Optimistic about Encouraging Digital Transformation Through Innovation in the Entertainment Industry" on Hitekno.com discusses the company's efforts to encourage digital transformation through technological innovation in the entertainment sector (hitekno.com).
- "Adoption of Blockchain Technology in the Entertainment Industry" in various sources explains how blockchain technology is used to track the life cycle of media content and reduce intellectual property rights violations (Teknologi.id)
- "The Role of AI in the Entertainment Industry" in various articles discusses the use of AI for content personalization, data analysis, and the creation of synthetic content that changes the way consumers interact with entertainment (Teknologi.id).
- "Technological Innovation in the Music Industry" in various articles explains how technology has changed the way musicians and artists conduct virtual concerts and exhibitions during the pandemic (Kempalan).