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Thiru K.M. Govindarajanar

**FOUNDER**

**Volume 2 / December 2022**

**ISBN: 978-81-952402-7-2**

# **BOOK CHAPTER ON ARTIFICIAL INTELLIGENCE IN MANAGEMENT AND COMMERCE**



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**AI IN SOCIAL MEDIA: OPPORTUNITIES AND PERSPECTIVES**

**\*Ms. M. KESAVY**, Asst. Prof. of Commerce with Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi-642001

**\*\*Ms.R.SUBHASANGEETHA**, Asst. Prof. of Commerce with Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi-642001

**\*\*\*Ms.T.RAMYA**, Asst. Prof. of Commerce with Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi-642001

**ABSTRACT**

Artificial intelligence (AI) is a branch of computer science that deals with the capability of a machine to imitate human intelligent behavior. It has the potential to help tackle some of the world's most challenging social problems. Modern social media, also known as social networking, include Facebook, Twitter, Instagram, Pinterest, and YouTube. AI is a fundamental component of how today's social networks function. The use of AI in social media is growing in an unprecedented way and is constantly transforming social media. This paper explores various artificial intelligence tools and their impact on social media companies.

**INTRODUCTION**

Artificial intelligence (AI) is the cognitive science that deals with intelligent machines which are able to perform tasks heretofore only performed by human beings. It is mainly concerned with applying computers to tasks that require knowledge, perception, reasoning, understanding, and cognitive abilities .AI tools can be trained to leverage individual behaviors, preferences, beliefs, and interests to personalize experiences. They can teach machines to be like humans. They can provide them the ability to see, hear, speak, move, and write. AI can learn these habits at a rate much faster than humans. AI tools are being used across industries to automate and improve the efficacy of diverse activities. Social media have become an indispensable part of life. Consumers constantly interact with social media. They constantly engage with platforms such as Facebook, Twitter, LinkedIn, Pinterest, and Instagram.

Social media is one of the major sectors where marketers can both skyrocket performance and efficiencies by using AI. Companies are better leveraging social media through AI. With the help of AI, data about your activity on social media is continuously

being compiled and analyzed. Social media is currently being used to infer social behavior and derive tendencies, in combination with big-data analysis.

## **OVERVIEW OF SOCIALEMEDIA**

Social media has revolutionized our communication. People communicate on Facebook, Twitter, and Instagram today. Social media has altered our communication. Nowadays, people communicate on Facebook, Twitter, and Instagram. These platforms allow users to build connections by sharing content, commenting on posts, and voting on polls. This allows people to engage in a variety of discussions and share opinions. Some popular social media platforms are Facebook, Twitter, YouTube, and LinkedIn.

## **USES OF SOCIAL MEDIA FOR BUSINESS**

Social media is an excellent way to connect with customers and build relationships. However, social media also has some disadvantages that businesses should be aware of. Social media is public. This implies that everyone can read your posts, regardless of product interest. If your posts are false or incendiary, this could affect your reputation.

Social media is time-consuming. It can take time to keep up with the demands of posting regular updates and maintaining a positive relationship with all of your followers. This can lead to low levels of engagement on your posts and decreased traffic to your website. Social media requires marketing skills. If your postings are bothersome or offensive, you may lose customers who leave social media altogether in favor of more civil options. Failure to heed these warnings could lead to drastic consequences for your business.

## **ADVANTAGES OF SOCIAL MEDIA**

### **Useful for educational purposes:**

Social media allows you to reach a large audience and build your brand. You can share relevant information or content with this audience, which is helpful if you want people to follow you on social media. This can help promote your business or product, which will help you increase sales.

### **Build your brand:**

Social media helps you build your brand by interacting with others and sharing interesting facts about yourself. Sharing content on social media can help you gain followers who will then be interested in what you have to say. It also helps build trust between the viewer and the content creator because they already know them because of their interactions on social media platforms such as Twitter or Facebook.

**Reach a large audience:**

Social media allows users to easily connect and share information with their friends or followers. Millions of people use social media every day, making it easier for businesses like yours to find potential customers online. Due to its ability to communicate directly with customers, social media has become an essential tool for businesses worldwide. It allows them to engage with customers without being physically present, such as in stores. When someone sees something interesting posted by someone else, they might want.

**Target audiences based on their interests**

When choosing who should receive marketing messages via social media, it's essential not just to reach out indiscriminately but also to target those who would be most likely interested in what you have to offer—this will increase their likelihood of responding. For example, suppose you're a photographer and want to target businesses that could use your services. In that case, you might send them a message about the different types of photography available and what they can do for each business type (e.g., commercial photography for companies or portraits for individuals).

**Stay up to date**

You can stay in touch with what's happening in your industry or world by following people on social media who are doing things you want to be doing. You can spend time following brands and companies that interest you and find out about new products and services they're offering so that you can learn from them.

**Get connected to new people**

When you use social media, you connect to people who share your interests and values. This can help build relationships, which may lead to business opportunities later on down the road.

**Create your audiences**

If you're not using social media for business purposes, it may still be worth it for other reasons, like building an audience of people who like what you offer! Having a significant online following means there's a good chance that someone will see what you post and contact you about it later, which could lead to more opportunities for both sides.

**Free to use**

Social media is free! No fees or subscriptions are involved as long as you have an established account with some provider (like Facebook). If not, some costs might be associated with getting started or maintaining it (like paying a monthly fee). Still, these are usually very low and affordable if you're willing to do some research.

**Builds relationships**

In addition to meeting new people through social media, you can also reconnect with old friends. It's also a great way to keep in touch with people who may not live close by anymore but still want to stay connected somehow.

**Get new visitors to website**

Through social media, we may increase visitors to our website and gain a lot of conversions, which results in sales if there is high engagement and a large audience.

**DISADVANTAGES OF SOCIAL MEDIA**

Social media has become essential to our lives, especially for kids. This is because it provides a platform to learn new things and interact with people worldwide. However, there are some downsides as well. Here are some disadvantages of social media:

**Spending a lot of time on social media**

Social media is addictive and can consume your time if you don't have any other interests. It would help if you kept up with your studies and hobbies to stay productive.

**Decrease in Communication skills**

Social media makes us more self-centered and less empathetic towards others. It also makes us more narcissistic than ever because we can show off our achievements and post photos from parties without facing any consequences.

**Fake news**

Fake news stories have been making headlines lately due to their viral nature; these stories often spread like wildfire among young people who lack critical thinking skills or experience with reading between the lines regarding online content.

**Social media can cause sleeplessness**

Studies show that when people spend too much time on social media, they have trouble getting to sleep, leading to insomnia and other sleep disorders.

**Content on social media is not appropriate for children**

While some parents monitor their kids' social media accounts, most don't have access to them. And if they do, they're not going to be keeping an eye on every single post and saying, "that's inappropriate." This can lead to some pretty dangerous situations!

**Cyber attacks are becoming more prevalent in today's world**

It will help if you protect yourself from these threats by using passwords that are difficult to guess (like capital letters or numbers), changing passwords regularly, and staying away from public Wi-Fi hotspots wherever possible.

### **Lack of Confidence**

People who are not confident in their skills may feel inferior when they post something on social media, which can lead to low self-esteem and depression.

### **Fear of missing out (FOMO)**

People constantly checking their phones for new messages or updates may become anxious if they do not see anything promptly. This can lead to stress and anxiety if people use social media excessively.

### **No privacy**

There is no privacy on social media as it is public by nature. Anyone can access the content posted on social media without prior notice or permission from the user who originally posted it.

### **Getting close to Depression**

Getting close to depression is another potential side effect of spending too much time on social media sites like Facebook or Instagram (see point above). Getting too caught up in one's own life can lead many people into depression! One way to prevent this is by opening up channels with others who are also using social media sites. Sharing your experiences with others going through similar struggles is possible by joining a Facebook or Instagram group.

## **BENEFITS OF SOCIAL MEDIA MARKETING**

### **✓ Increased reach to potential customers**

Social media platforms like Facebook and Twitter allow users to share content with a broader audience than traditional online advertising. This means that your business can target more people with its messaging, potentially resulting in a higher conversion rate.

### **✓ Greater customer engagement**

Making use of social media means your customers are more likely to interact with you directly. This can lead to a stronger relationship and increased loyalty among your customers, which may lead them to buy more from you.

### **✓ Increased brand awareness**

Because most social media platforms are based around sharing information, using them can help you promote your brand more effectively than traditional marketing methods. Your company's name and logo will be seen by many people, increasing the chances that people will recognize it and think positively about it.

**✓ Improved public relations**

By engaging with critics and responding to their comments, businesses can build goodwill among potential consumers who may have negative opinions about the company or product. Social media also allows companies to create “storytelling” within the platform, which can engage customers emotionally and encourage them to take action (such as signing up for newsletters or purchasing).

## CONCLUSION

Artificial intelligence is an umbrella term that covers many different technologies such as like machine learning, expert systems, robotics, computer vision, natural language processing, and more. Many companies already realize that AI is the way forward for progressing business. AI will continue to influence social media networks as the technology develops and evolves. When it comes to AI in social media, the sky is the limit. The combination of AI and social media are proving to be greatly beneficial for businesses. The future is bright and exciting for any business that is harnessing AI tools. There is no question that AI will have profound impacts on media markets.

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