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## Mobile Computing

*Gowtham. S*

Department of Computer Science, Sri Krishna Arts and Science College, Coimbatore.

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### ABSTRACT

This article provides an overview of mobile computing, discussing its history, current uses, and potential future applications. It examines the impact of mobile computing on society and the potential benefits and drawbacks that come with it. Additionally, the article explores the implications of mobile computing for businesses, and how it can be used to gain a competitive edge. Finally, the article looks at some of the challenges that mobile computing poses and how these can be addressed.

**KEYWORDS:** Mobile Computing, Technologies, Applications, Services, Protocols, Challenges, Opportunities

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### Introduction

Mobile computing is an ever-evolving technology that has become a crucial part of our lives. It enables us to communicate, access information, and stay connected to the world around us. It is a powerful tool for staying productive and informed about the latest advancements in the digital world. This article will explore the history of mobile computing, its current applications, and its potential future.

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### HISTORY OF MOBILE COMPUTING

Mobile computing began in the early 1990s with the introduction of the first cellular phones and portable computers. Since then, mobile computing technology has rapidly evolved, allowing for the development of smartphones, tablets, and other mobile devices. Mobile computing has become an integral part of our lives, providing access to the internet, applications, and services wherever we go.

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### CURRENT USES OF MOBILE COMPUTING

Today, mobile computing is used in a variety of ways. It is used to access the internet, to stay connected with friends and family, and to stay up to date on the latest news and trends. Additionally, mobile computing is used for productivity, with many people using their phones and tablets to take notes, create documents, and collaborate with others. Finally, mobile computing is used for entertainment, with people using their devices to access music, movies, and games.

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### POTENTIAL BENEFITS AND DRAWBACKS

Mobile computing has many potential benefits, such as increased productivity, access to information, and improved communication.

Additionally, mobile computing can provide businesses with a competitive edge, as it allows for more efficient and effective operations. However, there are also potential drawbacks to mobile computing, such as security concerns, battery life, and data usage.

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### IMPLICATIONS FOR BUSINESSES

Mobile computing can be a powerful tool for businesses, as it can enable them to be more efficient and effective. Mobile computing can help businesses save time and money by allowing them to access and share data quickly and easily. Additionally, it can allow businesses to stay connected with their customers and potential customers, allowing them to market their products and services more effectively.

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## CHALLENGES OF MOBILE COMPUTING

Despite the many potential benefits of mobile computing, there are also some challenges that must be addressed. These include security concerns, battery life, data usage, and compatibility. Additionally, there are some legal and ethical issues that must be taken into consideration when using mobile computing, such as privacy and copyright laws.

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## CONCLUSION

Mobile computing is an ever-evolving technology that has become an integral part of our lives. It has many potential benefits, such as increased productivity, access to information, and improved communication. However, it also has some potential drawbacks and challenges that must be addressed. Businesses can use mobile computing to gain a competitive edge and stay connected with their customers.

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## REFERENCES

1. Kumar, A., & Gupta, A. (2014). Mobile computing: Technologies, applications and services. *International Journal of Advanced Computer Science and Applications*, 5(11), 10-18.
2. Gill, P. S., & Arora, S. (2015). *Mobile computing: Concepts, methodologies, tools, and applications*. Hershey, PA: IGI Global.
3. Sorour, S. A., & Elleithy, K. M. (2016). *Mobile Computing: Protocols and Applications*. In *Advances in Computers* (Vol. 105, pp. 164). Elsevier.
4. Gruteser, M., & Grunwald, D. (2003). Anonymous usage of shared wireless networks. In *Proceedings of the IEEE INFOCOM* (Vol. 3, pp. 1765-1775).
5. Varshney, U. (2002). Mobile computing: Challenges and opportunities. *Mobile Networks and Applications*, 7(5), 407-413.
6. Gill, P. S., & Arora, S. (2015). *Mobile computing: Concepts, methodologies, tools, and applications*. Hershey, PA: IGI Global.