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# **5G Technology and Its Impact on Mobile Communications and IoT**

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**Abstract:** 5G technologies is revolutionizing mobile communications and the Internet of Things (IoT). This paper explores 5G's transformative potential, its enhanced mobile communication capabilities, its pivotal role in IoT growth, and the challenges it presents. Understanding 5G's impact is crucial in navigating the evolving digital landscape. As 5G continues to expand its reach, its influence on how we connect, communicate, and innovate is undeniable, making it a cornerstone of the modern technological era.

#### Keywords: 5G technologies

#### REFERENCES

- [1]. Khanh QV, H. N. (2022 Feb 7). IoT in 5G. Wireless communication technologies for IoT in 5G: Vision, applications, and challenges, 1-2.
- [2]. M, A. (2023 May). Impact of 5G on the evolution. *The impact of 5G on the evolution of intelligent automation and industry digitization*, 5977-93.
- [3]. Pisarov J, M. G. (2020). Impact of 5G technology. The impact of 5G technologyon life in 21st century, 11-14

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