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## **5G IoT Networks**

Neha HR<sup>1</sup> and Dr. S. K. Manju Bargavi<sup>2</sup> PG Scholar, Department of Computer Science and IT<sup>1</sup> Professor, Department of Computer Science and IT<sup>2</sup> Jain (Deemed to be) University, Bangaluru, India 23mcar0088@jainuniversity.ac.in and b.manju@jainuniversity.ac.in

**Abstract:** The abstract delves into how the advent of 5G is revolutionizing the Internet of Things (IoT) across various industries, with a particular focus on its ability to provide ultra-low latency, high data rates, and support for a massive number of connected devices, enabling real-time data transmission. It highlights the mutually beneficial relationship between 5G and IoT, which is driving innovation in sectors such as smart cities, healthcare, agriculture, and transportation. The abstract also addresses important challenges like security and interoperability, emphasizing the need for strategic deployment of 5G-enabled IoT solutions. Furthermore, it explores the potential of edge computing and AI-driven analytics to unlock new possibilities in IoT implementations. In summary, the abstract underscores the transformative power of 5G in shaping IoT ecosystems, offering unparalleled opportunities for innovation, efficiency, and value creation.

**Keywords:** Edge Computing, packet prioritization, cloud-to-edge synchronization, blockchain, synergy, 5G RATs, supply chain, latency

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