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A Review on Artificial Intelligence on Edge Computing

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Abstract: *The fifth generation of mobile networks, or 5G technology, has the potential to completely alter how people think about computing. This study examines 5G's many effects on computing, such as faster data transfers, lower latency, more IoT applications, and its effects on edge computing, cloud computing, and AI-powered procedures. We examine the technological developments made possible by 5G and talk about the difficulties and possibilities that lie ahead. Compared to earlier generations, 5G delivers noticeably faster The newest wireless communication technology, 5G, offers ground-breaking increases in speed, connectivity, and dependability. It is far faster than its predecessor, 4G, with download speeds of up to 10 Gbps. High-bandwidth applications like cloud gaming, real-time collaboration, and streaming HD video are supported with this speed. Furthermore, 5G significantly lowers latency to as low as 1 millisecond, allowing for real-time communication that is essential for applications such as remote surgery, driverless cars, and augmented and virtual reality.*

5G is the backbone of the Internet of Things (IoT) because of its remarkable capacity to link a large number of devices at once. In smart cities, where millions of sensors, devices, and systems require seamless connectivity, this feature is crucial. Network slicing, another feature of 5G, enables the development of virtual networks customized data transfer speeds, making it possible to send massive amounts of data in real time. Applications that require a lot of bandwidth, including cloud gaming, streaming HD video, and virtual and augmented reality, are made possible by this improved connectivity. But as 5G technology develops and gains traction, it has the potential to usher in a new era of innovation that will change sectors and the digital environment.

Keywords: Internet of Things