Study on Green Computing and Sustainable Future

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Abstract: *This paper provides an in-depth exploration of green computing, a paradigm designed to address the escalating environmental impact of the information technology sector. With the rapid advancement of technology leading to increased demand for computing resources, the ecological consequences cannot be ignored. Green computing, also known as green IT or sustainable computing, encompasses a set of practices and initiatives aimed at minimizing the environmental footprint of computing technologies. This paper offers a comprehensive overview of green computing, tracing its historical evolution, examining its core principles, and evaluating its impact on the environment..*

Keywords: *green computing*