

**The 4th Industrial Revolution Tools (AI, Web 3.0, Green IT, IoT)  
and Their Application**

by

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**Abstract**

Cutting edge technologies like Artificial Intelligence (AI), Web 3.0, Green IT, and the Internet of Things (IoT) are being incorporated into many facets of human life thanks to the Fourth Industrial Revolution (4IR). Within the context of the Fourth Industrial Revolution (4IR), this research aims to critically analyse and evaluate the significance and practical applications of these technologies. The essay begins with an introduction covering the basics of the Fourth Industrial Revolution (4IR). The instruments are then put through a battery of tests, including an in depth analysis of their features, effects, and potential applications. The study concludes by discussing the dynamic between these instruments and their possible effects on the development of technology and culture

**Keyword:** Industrial Revolution (4IR) 4IR), IOT, AI & Web 3.0, green IT