Role of IoT in Green Technology Development

Mrs. Tejashri Prashant Jadhav and Mr. Avdhut Pandurang Shigvan

Hirwal Education Trust's College of Computer Science and Information Technology, Mahad-Raigad, India

tejashrichavan578@gmail.com

Abstract: *This study paper looks at how the Internet of Things (IoT) has significantly advanced green technology and sustainable development. In order to demonstrate the Internet of Things' capacity to connect and interact with a wide range of devices and sensors, the article starts out by giving a general introduction of the technology and its underlying concepts. Given the growing global emphasis on resource efficiency and environmental conservation, integration of IoT devices and systems has emerged as a powerful tool for optimizing resource usage, reducing energy consumption, and minimizing environmental effect. The use of IoT in green technology is then explored in detail, covering a variety of industries such as energy, buildings, transportation, and agriculture. The study also explores the function of IoT in smart buildings, where automated systems driven by IoT sensors optimize energy usage by adjusting lighting, heating, and cooling based on occupancy and environmental conditions.*

Keywords: Internet of Things

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