

## INTERNET OF THINGS

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## *ABSTRACT*

Internet of Things (IOT) is the networking of physical objects that contain electronics embedded within their architecture in order to communicate and sense interactions amongst each other or with respect to the external environment. Over the past few years, IoT has become one of the most important technologies of the 21st century. Now that we can connect everyday objects—kitchen appliances, cars, thermostats, baby monitors—to the internet via embedded devices, seamless communication is possible between people, processes, and things. By means of low-cost computing, the cloud, big data, analytics, and mobile technologies, physical things can share and collect data with minimal human intervention. In this hyperconnected world, digital systems can record, monitor, and adjust each interaction between connected things.

Internet of Things has emerged as a leading technology around the world. It has gained a lot of popularity in lesser time. Also, the advancements in Artificial Intelligence and Machine Learning have made the automation of IoT devices easy. Due to this, IoT has also expanded its area of application in various sectors like healthcare, agriculture, automotive industry etc. Globally, the number of IoT devices is expected to reach 29 billion by 2030, from a mere 9.7 billion in 2020. The internet of things market volume is expected to reach US\$33.74bn by 2027, with a staggering CAGR of 11.49 from 2022 to 2027.

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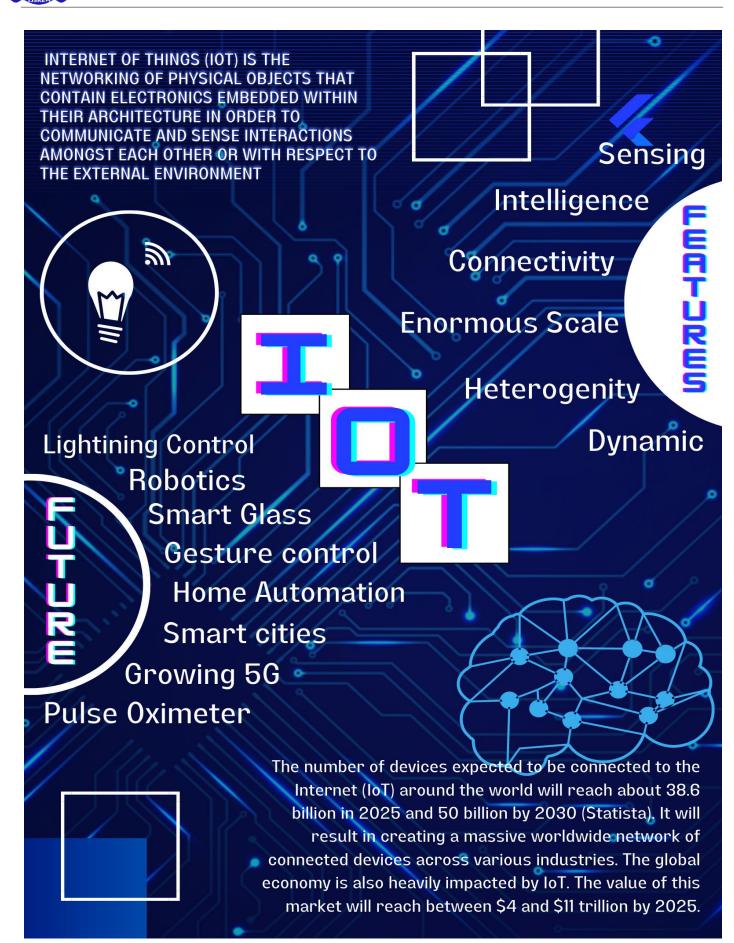


## International Journal of Scientific Research in Engineering and Management (IJSREM)

Volume: 07 Issue: 04 | April - 2023

**Impact Factor: 8.176** 

ISSN: 2582-3930



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