

Proceeding of the National Conference on
Recent Perspectives on IoT & Big Data

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**Proceedings of the National Conference on Recent Perspectives on
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AN OVERVIEW ON CHALLENGES AND SECURITY ISSUES OF INTERNET OF THINGS

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Abstract

The growth potential for the embedded industry is enormous. And the path forward is becoming clearer every day. It's time that we start building IoT systems. As a measure of internet of things serious concerns are elevated over access of individual privacy and personal data pertaining device. Deploying existing data security solutions to the Internet of Things (IoT) is not straightforward because of device heterogeneity, highly dynamic and possibly unprotected environments, and large scale. This paper summaries the, challenges, security and privacy concerns of internet of things.

Keywords: *Privacy and Security, Sensors, RFID, Scanners*

1. Introduction

The term of Internet of Things (IoT) was first invented in 1998 which is a network of networks where typically, a large number of objects or sensors are connected through communications and information infrastructure to provide value-added services. It assures in creating a world where all the objects around us are connected to the internet and therefore the communication to each other has minimal human intervention. The ultimate aim is to create a better world for human beings, where the objects around us understand our desire and hence act accordingly without any explicit instructions.

With the quick development of communication technology and internet technology, survives are progressively led into unreal space of virtual world. People can shop; chat, work, keeps plants and pets in the virtual would be provided by the network. Though, human being lives in an actual world, human action cannot be entirely applied through the services in the imaginary space. It is the restraint of imaginary space that restricts the development of internet to give better services. To eliminate these constraints, a technology is essential to integrate real world on a same platform and imaginary space. Based on a