Internet of Things

Enabling Things Smarter

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Preface

The Internet of Things paradigm promises to make "things" including consumer electronic devices or home appliances, such as medical devices, fridge, cameras, and sensors, part of the Internet environment. This paradigm opens the doors to new innovations that will build novel type of interactions among things and humans, and enables the realization of smart cities, infrastructure, and services for enhancing the quality of life and utilization of resources. With the invention of smart homes, smart cities, and smart everything, the Internet of Things (IOT) has emerged as an area of incredible impact on our life. Whether in your home or in your banking, IOT is everywhere and it presents its own challenges and risks in a completely connected world. It is predicting to have 50 billion connected devices by 2025. However, most of these IOT devices are easy to hack and compromise at present.

The Internet has become a basic need of millions of people who use it for many purposes according to their needs. Internet of Things (IOT) is one of the hottest technologies in the era of digital transformation, connecting everything to the Internet. It is the core technology behind smart homes, self-driving cars, smart utility meters, and smart cities. The Internet of Things (IOT) has quickly become a important part of how people live, communicate and do business. All around the world, web-enabled devices are turning our world into a more switched-on place to live. The future of IOT looks bright and promising. It will be more popular and effective with 5G network which will be the fuel to the IOT growth. This book gives the introduction to Internet of Things, IoT Architecture,