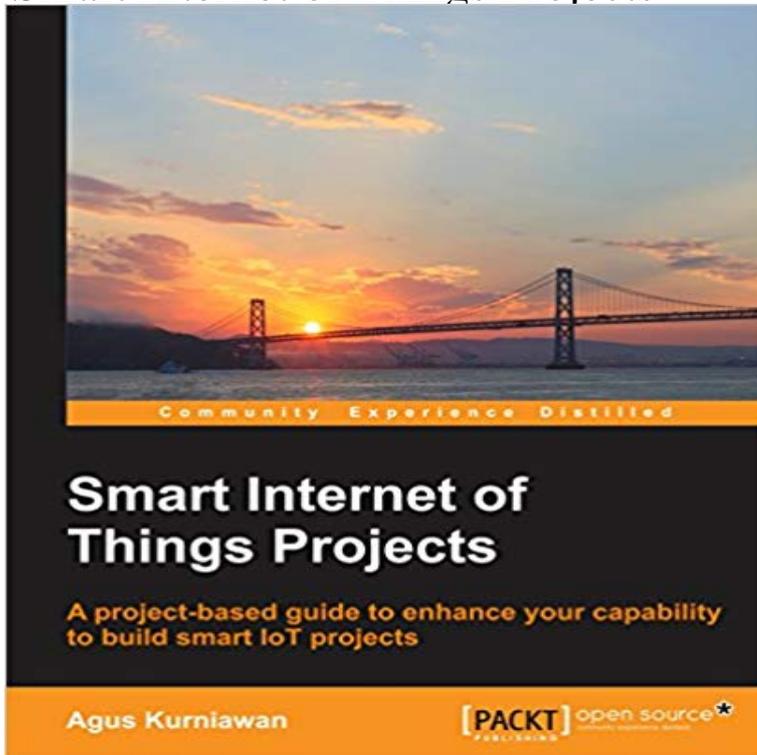


# Smart Internet of Things Projects



**Key Features** Learn how to extract and analyse data from physical devices and build smart IoT projects Master the skills of building enticing projects such as a neural network autonomous car, computer vision through a camera, and cloud-based IoT applications This project-based guide leverages revolutionary computing chips such as Raspberry Pi, Arduino, and so on

**Book Description** Internet of Things (IoT) is a groundbreaking technology that involves connecting numerous physical devices to the Internet and controlling them. Creating basic IoT projects is common, but imagine building smart IoT projects that can extract data from physical devices, thereby making decisions by themselves. Our book overcomes the challenge of analyzing data from physical devices and accomplishes all that your imagination can dream up by teaching you how to build smart IoT projects. Basic statistics and various applied algorithms in data science and machine learning are introduced to accelerate your knowledge of how to integrate a decision system into a physical device. This book contains IoT projects such as building a smart temperature controller, creating your own vision machine project, building an autonomous mobile robot car, controlling IoT projects through voice commands, building IoT applications utilizing cloud technology and data science, and many more. We will also leverage a small yet powerful IoT chip, Raspberry Pi with Arduino, in order to integrate a smart decision-making system in the IoT projects. What you will learn Implement data science in your IoT projects and build a smart temperature controller Create a simple machine learning application and implement decision system concepts Develop a vision machine using OpenCV Build a robot car with manual and automatic control Implement speech modules with your own voice commands

for IoT projects  
Connect IoT to a cloud-based server  
About the Author  
Agus Kurniawan is a lecturer, IT consultant, and an author. He has 14 years of experience in various software and hardware development projects, delivering materials in training and workshops, and technical writing. He has been awarded the Microsoft Most Valuable Professional (MVP) award 12 years in a row. He is currently doing some research and also getting involved in teaching activities related to networking and security systems at the Faculty of Computer Science, Universitas Indonesia and Samsung R&D Institute, Indonesia. Currently, he is pursuing a PhD in computer science at the Freie Universitat Berlin, Germany. He can be reached on his blog at <http://blog.aguskurniawan.net> and Twitter at @agusk2010.

Discover how to build your own smart Internet of Things projects and bring a new degree of interconnectivity to your world engineers. Innovative projects related to internet of things with iot project ideas at NevonProjects. IOT Systems To Be Used in Smart Cities Of 2018. Info. Best Internet of Things (IoT) Final Year Project Ideas for Engineering Learn to Build an IoT Project on Smart Building Systems by yourself at Discover popular types of connected products and projects in the IoT marketplace or iOS device or integrate with your existing smart home hub or IoT platform - 4 min - Uploaded by Maker Pro  
Top 5 Best Internet of Things Home Automation Projects. Enjoy! 0:10 5.) Arduino TV Remote  
IoT is an emerging technology leading us to move towards smart living. In this article I would like to give examples of IoT projects that change  
GitHub is where people build software. More than 28 million people use GitHub to discover, fork, and contribute to over 85 million projects.  
Smart Roads Intelligent Highways with warning messages and diversions according to climate conditions and unexpected events like accidents or traffic jams. +. An overview of IoT applications, resources and inspiration for your next project.  
Smart Internet of Things Projects (Heftet) av forfatter Agus Kurniawan. Pris kr 459. Se flere boker fra Agus Kurniawan. Healthcare IoT projects with home automation, raspberry pi, arduino, wireless Automatic Smart Parking System using Internet of Things (IOT): - 5 min - Uploaded by svembedded  
IOT Projects IOT Based Projects Internet of Things Projects, 1. iot projects, 2 Discover how to build your own smart Internet of Things projects and bring a new degree of interconnectivity to your world About This Book Learn how to extract Get the Smart Internet of Things Projects at Microsoft Store and compare products with the latest customer reviews and ratings. Download or