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Titolo	Raspbian OS programming with the Raspberry Pi : IoT projects with Wolfram, Mathematica, and Scratch / / by Agus Kurniawan
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ISBN	9781484242124 1484242122
Edizione	[2019.]
Descrizione fisica	1 online resource (190 pages)
Collana	Technology in action
Disciplina	001.642
Soggetti	Computer input-output equipment Hardware and Maker
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: Introduction to Raspberry Pi -- Chapter 2: Raspbian OS Command Line -- Chapter 3: Programming on Raspbian OS -- Chapter 4: Computational Mathematics with Wolfram Language and Mathematica -- Chapter 5: Visual Programming with Scratch.
Sommario/riassunto	Master the command line and Raspbian Linux as well as the physical connections of the Pi. With this book you'll develop skills applicable to other real world applications in both hardware and software development all while working on simple and fun IoT projects that you can do yourself. You'll learn to build programs on the top of Raspbian OS in Raspberry Pi boards. Start by using Raspbian shells to develop programs. Then follow projects and samples step-by-step to get new experiences in Raspbian OS development. You'll also learn the Wolfram Language and Mathematica, Scratch, IoT programs and IoT middleware, Node-RED, Interactive Data Visualization with Jupyter Notebook, and more. There are many features in Raspbian OS and on Raspberry Pi boards perfect for building an IoT program to suite various scenarios. The GPIO pins on your Raspberry Pi allow it to scale further to accomplish all kinds of projects and tasks. Raspbian OS Programming with the Raspberry Pi is your pathway to exploring all of this.