1. Record Nr. UNINA9910811879603321 Autore Wilcher Don Titolo Arduino electronics blueprints: make common electronic devices interact with an Arduino board to build amazing out-of-the-box projects / / Don Wilcher Pubbl/distr/stampa Birmingham, England; Mumbai, [India]; Packt Publishing, 2015 ©2015 ISBN 1-78439-211-1 Descrizione fisica 1 online resource (252 p.) Collana Community Experience Distilled Disciplina 005.133 Soggetti Arduino (Programmable controller) Programmable controllers Microcontrollers - Programming Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. ""Cover""; ""Copyright""; ""Credits""; ""About the Author""; ""About the Nota di contenuto Reviewers""; ""www.PacktPub.com""; ""Table of Contents""; ""Preface""; ""Chapter 1: A Sound Effects Machine""; ""Parts list""; ""A sound effects machine block diagram""; ""Building the sound effects machine""; ""Introducing SPI communication""; ""Adding digital logic switches for WAV file selection""; ""Adding SD and WAV file libraries to your Arduino sketch (code)""; ""The TMRpcm library installation""; ""Adding a random function to play sounds automatically"" ""Adding an LED bar graph display for selected sound (concept)"""" Summary""; ""Chapter 2: Programmable DC Motor Controller with an LCD""; ""Parts list""; ""A programmable motor controller block diagram""; ""Building the programmable motor controller""; ""Let's build it!""; ""Interfacing a discrete digital logic circuit with Arduino""; ""Interfacing a small DC motor with a digital logic gate""; ""A sketch of the LCD selection cursor""; ""The partially programmable DC motor controller program sketch that comes without an LCD selection feature"" ""The partially programmable DC motor controller program sketch with an LCD selection feature"""Summary""; ""Chapter 3: A Talking Logic

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""Building a BLE seven segment LED display controller""

Sommario/riassunto

This book is intended for those who want to learn about electronics and coding by building amazing devices and gadgets with Arduino. If you are an experienced developer who understands the basics of electronics, then you can quickly learn how to build smart devices using Arduino. The only experience needed is a desire to learn about electronics, circuit breadboarding, and coding.