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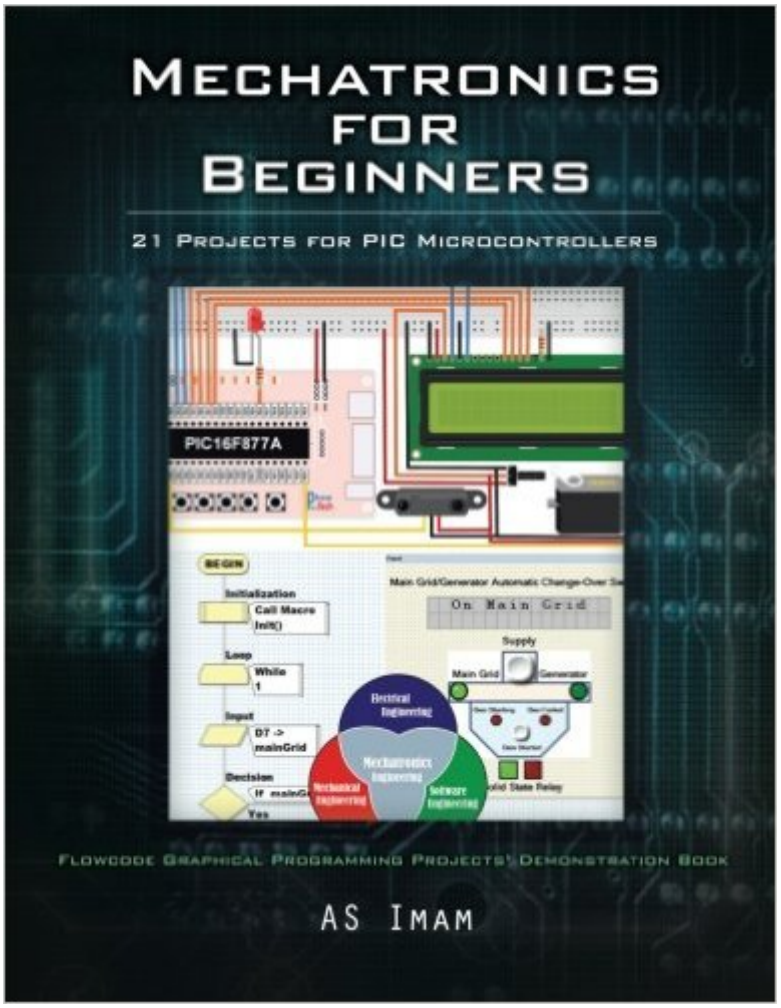
Mechatronics For Beginners: 21 Projects For PIC Microcontrollers



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Synopsis

This book provides a unique approach to teaching how systems or processes can be automated without having prior knowledge of any computer programming language. It presents step-by-step practical guidelines on how sensors, actuators, and other electronic components can be interfaced to microcontrollers for building smart systems using the Flowcode graphical programming software. The book is intended for students in vocational and technical colleges or any other person interested in learning how to build mechatronics systems. The book is in two parts, part 1 and part 2. Part 1 begins with an overview of mechatronics evolution in chapter 1, while chapter 2 discusses some electronic basics essential to mechatronics for users with no electronic knowledge. Chapter 3 covers discussion on hardware and software required for implementing the projects in the book. Part 2 of the book contains the twenty-one projects. The book assumes no knowledge of electrical/electronic and programming languages. Emphasis is placed on practical demonstrations for building the projects in the book. Steps for implementing each project are illustrated with graphics obtained from the Flowcode software.

Book Information

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Customer Reviews

Book is pretty much a guide for the sequence of mouse clicks within the prior version of Flowcode. Lacks any detail as to what exactly you are clicking for, and no explaination of what you are typing. An entire page is dedicated to describing what a crosswalk is and what a traffic light is used for. Author is from Nigeria, so maybe that page is for people that have never seen a crosswalk, but then again, why would they be reading a book about Embedded tech. Lastly, lots and lots of filler, as in

90% of it is screenshots of the Flowcode GUI app., the same screenshots! The slightly more advanced topics (stepper motor control) listed in the book, end up being 1 or 2 pages and then refer the user to a web site for further info\details. I wasted my time (and a few bucks) so you won't have to.

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