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Internet of Things in Automotive Industries and Road Safety

Electronic Circuits, Program Coding and Cloud Servers

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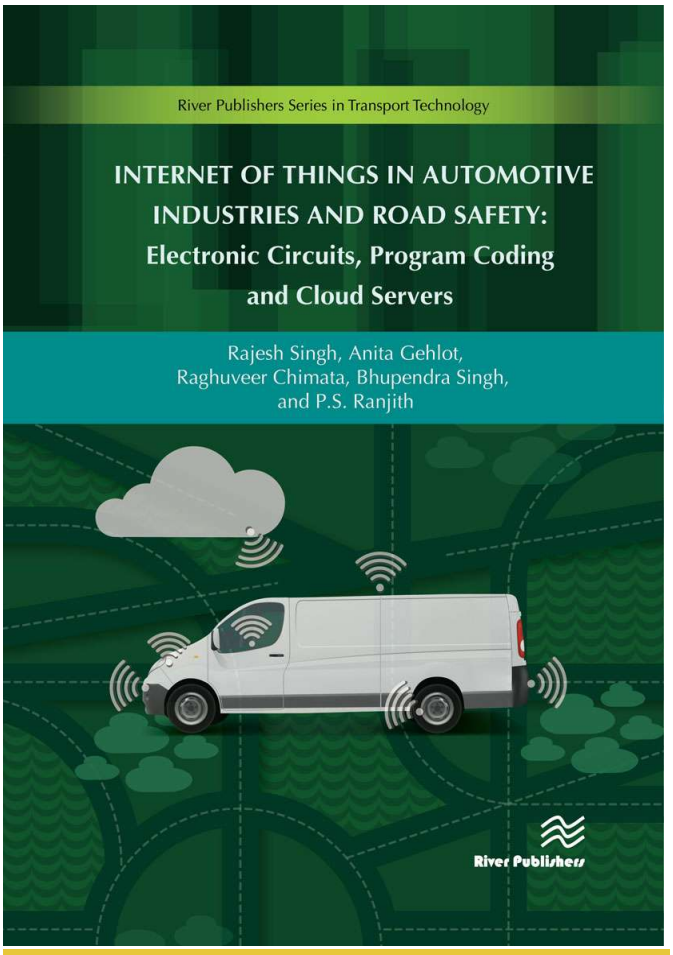
The aim of this book is to provide a platform to readers through which they can access the applications of 'Internet of Things' in the Automotive field. *Internet of Things in Automotive Industries and Road Safety* provides the basic knowledge of the modules with interfacing, along with the programming. Several examples for rapid prototyping are included, this to make the readers understand about the concept of IoT.

The book comprises of ten chapters for designing different independent prototypes for the automotive applications, and it would be beneficial for the people who want to get started with hardware based project prototypes. The text is based on the practical experience of the authors built up whilst undergoing projects with students and industry.

Technical topics discussed in the book include:

- Role of IoT in automotive industries
- Arduino and its interfacing with I/O devices
- Ti Launch Pad and its interfacing with I/O devices
- NodeMCU and its interfacing with I/O devices
- Serial Communication with Arduino and NodeMCU



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