

WIRELESS SENSOR NETWORKS

Dr. P. Udayakumar

Dr. Aniket Siddhaling Kothawale

Dr. N. B. Mahesh Kumar

Dr. B. Suneela




Principal
Tuljaram Chaturchand College
Baramati

Building Wireless Sensor Networks is an essential guide for anyone interested in wireless communications for sensor networks, home networking, or device hacking. It is a first step in becoming proficient in making these systems. It is not a textbook on protocols or a complete guide to networking theory. No engineering or computer science background is expected or required. Those who have fooled around a bit with electronics or programming will certainly have a leg up, but in general, this book is aimed at hobbyists, students, makers, hardware hackers, designers, artists, and prototypes. In the chapters to come, you will scaffold your way up toward greater comfort and proficiency with hardware, software, radio, and communications. I'll explain everything necessary to get started, at least briefly. We'll create examples using accessible environments, such as Arduino for hardware and Processing for displays. And I'll provide a full range of resources, including helpful references to outside works for the electronics and networking novice. Whether you are a young inventor or an experienced engineer, this book focuses on getting your projects up and running as efficiently as possible.

Price Rs 280.00
ISBN 979-888629610-5



AUTHOR PROFILE



Dr P Udayakumar received his M.Tech. degree (Hons and Gold Medal) in Computer Science & Engineering from Chhattisgarh Swamy Technical University, Bhilai (C.G.) and Ph.D. in Computer Science and Engineering from MATS University, Raipur(C.G.). Presently he is working as professor in the department of CSE, Aditya Engineering College, Surampalem, Andhra Pradesh. He has published more than 30 research papers in various national, international journals (Scopus Indexed, WoS, UGC, impact factors) and conferences in India and Abroad. He has published two text books and six patents (filed and published). He has 21 years of teaching experience and he is a lifetime member of ISTE & CSI. His research interest includes Wireless Sensor Networks, Network Security, Artificial Intelligence and Data Science.



Dr. Aniket Siddhaling Kothawale working as Assistant Professor in Department of Electronics in Tuljaram Chaturch and College of Arts, Science & Commerce Baramati, Dist-Pune. He has more than 10 years of Teaching Experience. He completed his Ph.D degree (2022) in Electronics from J.J.T University Rajasthan, India. He has Published more than 10 Research Paper in National & International Journals. He has strong passion in WSN, IOT, Embedded System.



Dr. N.B. Mahesh Kumar received the B.Tech Degree in Information Technology from M.Kumarasamy College of Engineering, Karur, affiliated to Anna University, Chennai, TamilNadu in 2005. M.E. Degree in Computer Science and Engineering from Sri Krishna College of Engineering and Technology, Coimbatore affiliated to Anna University, Coimbatore, TamilNadu in 2009 and the Ph.D. Degree in Computer Science and Engineering from Anna University, Chennai in 2016. He has more than 14 years of experience in teaching and 10 years of experience in research. He is an Associate Professor in Department of Information Technology at K S R Institute for Engineering and Technology, Tiruchngode, Namakkal Tamilnadu. His research interests include Image Processing, IOT and Artificial Intelligence. He has published peer review research papers and Monographs and Acting as reviewer in reputed journals.



Dr. B. Suneela obtained Ph.D degree in Electronics and communication engineering from KL University, Andra pradesh, India in 2020 and M.Tech in Communication &Radars from Nagarjuna University. At present, She is working as Associate Professor in Lords Institute of Engineering &Technology, Hyderabad. She posses decade of teaching experience. Her research interests are Signal processing, Wireless communication, Image processing. She has Published 18 papers in various national/ International journals and National/International conferences. She published 3 patents and authored book in the field electronics and communications.



© All Right Reserved by the Publisher.

First Edition: March - 2022

NOTION PRESS
India. Singapore. Malaysia.

This book has been published with all reasonable efforts taken to make the material error-free after the consent of the author. No part of this book shall be used, reproduced in any manner whatsoever without written permission from the author, except in the case of brief quotations embodied in critical articles and reviews.

The Author of this book is solely responsible and liable for its content including but not limited to the views, representations, descriptions, statements, information, opinions and references. The Content of this book shall not constitute or be construed or deemed to reflect the opinion or expression of the Publisher or Editor. Neither the Publisher nor Editor endorse or approve the Content of this book or guarantee the reliability, accuracy or completeness of the Content published herein and do not make any representations or warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability, fitness for particular purpose. The Publisher and Editor shall not be liable whatsoever for any errors or omissions, whether such errors or omissions result from negligence, accident, or any other cause or claims for loss or damages of any kind, including without limitation, indirect or consequential loss or damage arising out of use, inability to use, or about the reliability, accuracy or sufficiency of the information contained in this book.

MRP Rs. 260 /-

ISBN: 9798886296105

Notion Press Media Pvt Ltd,
Old No. 38, New No. 6, McNichols Road, Chetpet,
Chennai-600031,
Tamilnadu, India.
Email: orders@notionpress.com

