



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Books / Book Chapters

S.No.	Book / Chapter Title	Authors	Publication Details	Year
1.	Signals and Systems	Selva nidhyananthan, P.Munaswamy, Vijay kumar salvia, S.Vimalnath	Alpha International Publications	2023
2.	Current Approaches in Engineering Science and Information Technology for Society	S.Vimalnath , Keerthana S P, Madhusri J, Lakshana K, Ranjana Priya R	Tekscience Publishers ISBN: 978-81-965081-0-4	2023
3.	Design of Four slope solar still	K.Anandhu, T.Krishnamoorthi S.Sivaranjani ,	Scholar's Press ISBN: 978-620-6-76905-7	2024
4.	IoT based remote patient monitoring system for vital signs	S.Parthiban, S.Sivaranjani , P.Vinoth Kumar	Scholar's Press ISBN: 978-620-6-76905-7	2024
5.	5G geological data for seismic inversion data detection based on wide angle reflection wave technology	P.Ramakrishnan , G.A.Senthil	CRC Press Taylor & Francis Group ISBN : 9781003393580	2023
6.	IoT Medical Applications	P.Vinoth Kumar, S.Parthiban, S.Sivaranjani	Scholar's Press ISBN: 978-620-6-76905-7	2023
7.	A Novel harvesting and Data Collection Using UAV with Beamforming in Heterogeneous Clustered Wireless Sensor Networks	S.Subaselvi	Springer ISBN: 978-981-99-4634-1	2023
8.	AI role in making IoT-based Medical devices a success	S.Palanivel Rajan, T. Abirami	IoP Publishing ISBN:978-0-7503-5309-0	2023
9.	Monitoring of Wireless Networks Systems-Based Autonomous Farming using IoT Protocols	D.Faridha Banu, N.Kumaresan, K.Geetha devi, S.Priyanka, G.Swarna Shree, A.Roshan, A.Meivel	Springer ISBN:978-981-99-1744-0	2023
10.	Fabrication and study of fluidic MEMS device for toxic heavy metal ion sensing in water	Dr.Karthikeyan K Sujatha L	Chapman and Hall/CRC ISBN : 978-103-226-5155	2023
11.	Recent progress of carbonaceous materials in third generation solar cells: DSSCs	Nandhakumar E, Ravuri Syamsai , Venkatraman Madurai Ramakrishnan , Senthilkumar N , Selvakumar Pitchaiya	Springer ISBN : 978-981-19-7187-7	2023



12.	Carbonaceous Nanostructures based Photocatalysts for Sustainable H ₂ Production	E. Nandhakumar , E. Vivek , E. Vaishnavi , M. Prem Kumar, Perumal D , P. Selvakumar , N. Senthilkumar	Springer ISBN : 978-981-19-7187-7	2023
13.	Embedded the Medical IoT Devices for Monitoring and Diagnosing The Patient Health to Rural areas peoples using IoMT Technology	V.Karuppuchamy Dr.S.Palanivel Rajan, C.Manikandan	Chapman and Hall/CRC ISBN : 978-100-325-6243	2022



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10.	Advances in Electrical and Computer Technologies/A MobileNet-V2 COVID-19: Multi-class Classification of the COVID-19 by Using CT/CXR Images	Kavitha S Dr.Mahendran N	Springer ISBN : 978-981-19-1111-8	2022
11.	Artificial Intelligence in Healthcare: Algorithms and Decision Support Systems	S.Palanivel Rajan, M. Paranthaman	Online Wiley ISBN : 978-111-9-76201-0	2022
12.	Smart Sensing Technology	S.Palanivel Rajan, T. Abirami	Online Wiley ISBN : 978-111-9-76201-0	2022
13.	Two-Dimensional Transition Metal Di chalcogenide Materials in FET Devices for Low Power Applications	R. Sridevi, J. Charles Pravin	CRC Press Taylor & Francis Group ISBN : 978-1-003-20098-7	2022
14.	Study of Various Beam formers and Smart Antenna Adaptive Algorithms for Mobile Communication	Elizabeth Caroline Britto, Sathish Kumar Danasegaran, Susan Christina Xavier, A. Sridevi, and Abdul Rahim Sadiq Batcha	EAI/Springer Innovations in Communication and Computing ISBN : 978-3-030-76636-8	2022
15.	Health Monitoring and Integrated Wearables	S. Sivaranjani, P. Vinoth Kumar & S. Palanivel Rajan	Springer ISBN : 978-981-19-1075-3	2022
16.	Augmented Intelligence: Deep Learning Models for Healthcare	M. Paranthaman , S. Palanivel Rajan,	Springer ISBN : 978-981-19-1075-3	2022
17.	In Hospital and In-Home Remote Patient Monitoring	Dr.S.Palanivel Rajan T.Dineshkumar	Springer ISBN : 978-981-19-1076-0	2022
18.	Efficient Model for the Computation of Capacitance	M. Dhamodaran S. Selvaperumal B. Ramasubramanian	LAP LAMBERT Academic Publishing ISBN : 978-620-0-56944-8	2020
19.	Concepts of Fault Tolerant Control System and Reconfiguration for a Nonlinear process	Ganesh R. M, Dr. Manoharan S, Vinoth Kumar P, Sivaranjani S	Manglam Publications ISBN : 978-81-945125-0-9	2020
20.	Silicon and Germanium based Halo doped Tunnel Field Effect Transistors	M. Venkatesh	LAP LAMBERT Academic Publishing ISBN : 978-620-3-02896-6	2020
21.	Analysis of Microstrip Patch Antenna for Radar Communication	Palanivelrajan Selvakumaran, Paranthaman Mohanraj	Scholar's Press ISBN: 978-613-8-82696-5	2019
22.	Electronic Devices and its Applications	Dr.S.Palanivel Rajan, A.Suban	ISBN : 978-81-910753-2-8	2018



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23.	Cracking the C Programming Skills	Shriram K Vasudevan , Abhishek S Nagarajan Dr.C.Vivek & RMD Sundaram	ISBN : 978-93-859093-6-8	2017