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3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Compliance of DVV Findings

Compliance 1:

Cover page, content page, first page and last page of the book/publication showing title, author name along with the content page, ISBN number and year of publication of all the books listed in all the 5 years, attested by the principal. (Other than journals/research papers in edited volumes of Proceedings listed in 3.3.2)

A.Y. 2019-20

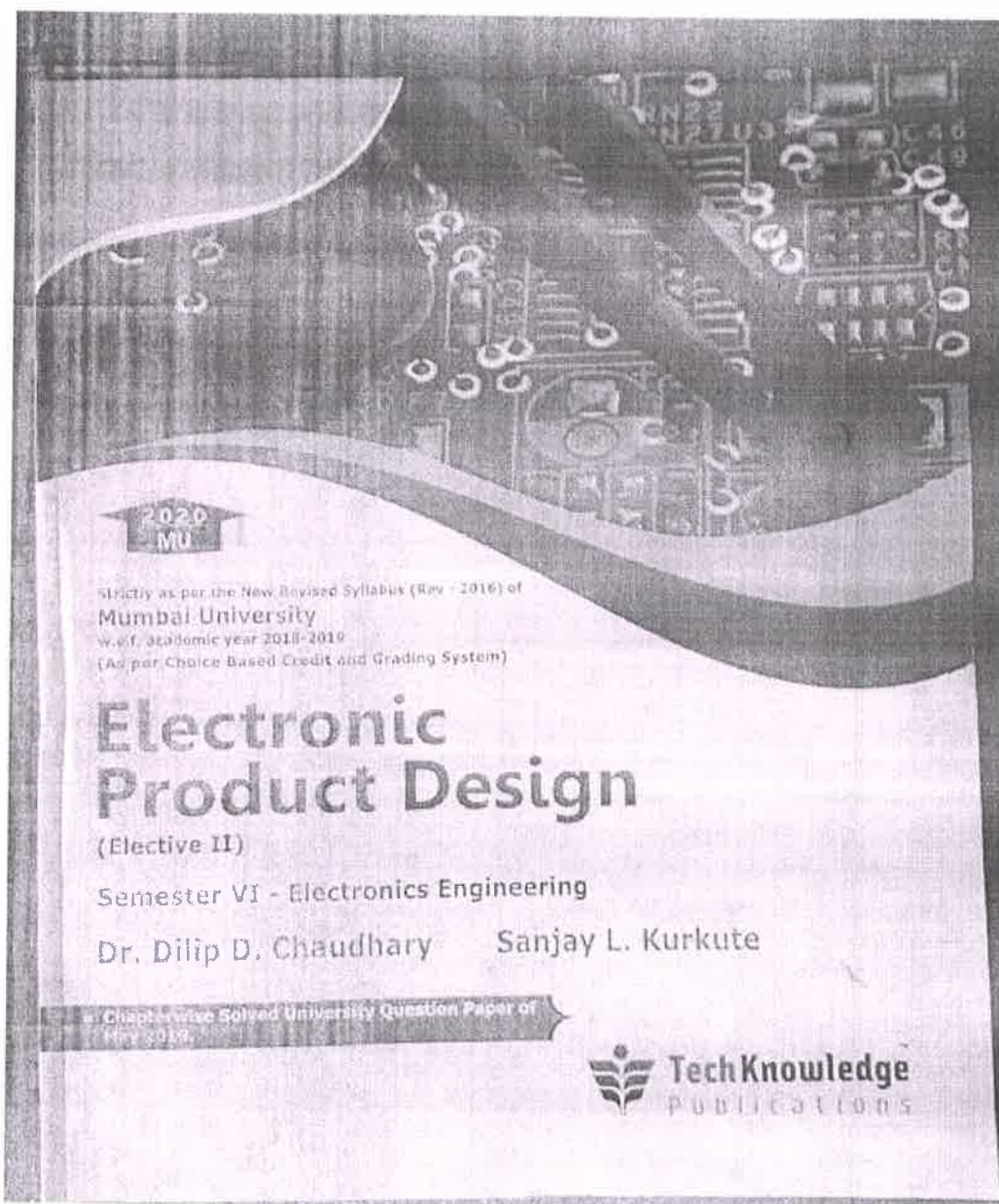
Sr. No.	Title of the book/chapters published	Name of the teacher	ISBN/ISSN number of the proceeding	Year of publication
1.	Textbook on Electronic Product design for TE (Electronics) as per Mumbai Univ. syllabus	Dr.D.D. Chaudhary, S.L. Kurkute	ISBN: 978-93-89828-95-5	2020
2.	Textbook on Electronic Product design for BE (E&TC) as per SPPU syllabus	Dr.D.D. Chaudhary, S.L. Kurkute	ISBN: 978-93-898299-63-3	2020
3.	Internal Symposium GISFI 32 GSSM	Dr. Dnyaneshwar Mantri	NA	2020
4.	A miniaturized Printed UWB Antenna with Sextuple Stop Bands on U shaped Slot Resonators and Split Ring Resonators for IOT application(Chapter in Lecture Notes in Electrical Engineering	Mr. Mayur Raut	Print ISBN: 978-981-15-2925-2 Online ISBN:978-981-15-2926-9	2020
5.	Textbook on Microcontroller	Dr. D.S.Mantri	9789333215756	2020
6.	Layered Network Security for Efficient Data Aggregation in CONASENSE - Book Chapter	Dr. Dnyaneshwar Mantri	NA	2019
7.	Heat transfer for Savitribai Phule Pune University pune	Mr. S.V.Karankoti	9789333215800	2019
8.	Inorganic Electrolytes in Supercapacitor	Mr. Prasad Lokhande	978-1-64490-049-9	2019
9.	Conductive Polymer-derived Materials for Supercapacitor	Mr. Prasad Lokhande	978-0-36719394-2	2019
10.	Trust and Security to Shared Data in Cloud Computing: Open Issues (Chapter)	Ms. B. L. Dhote	978-981-13-2673-8	2019

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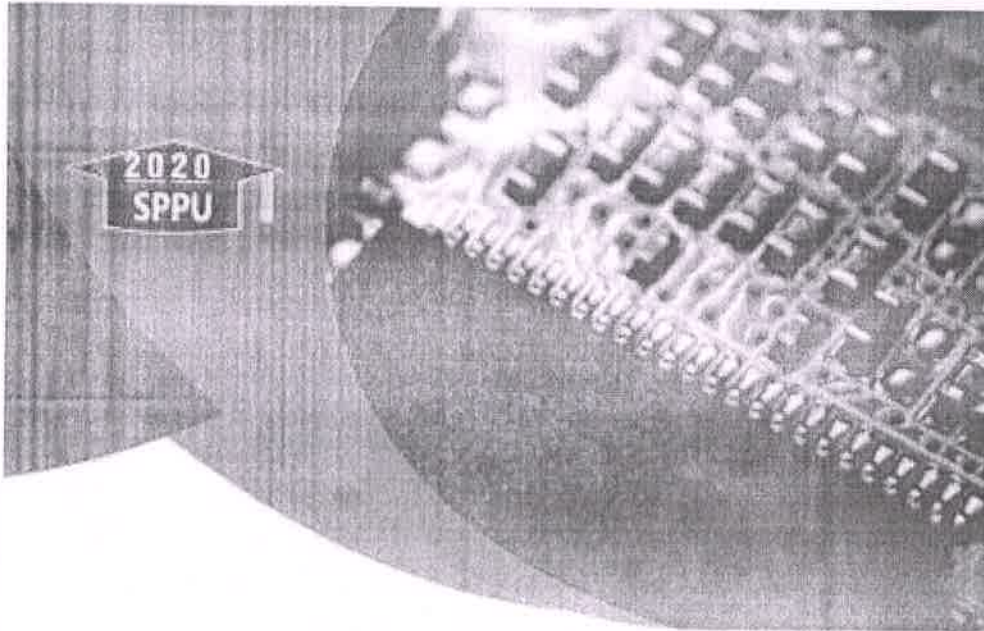
1. Textbook on Electronic Product design for TE (Electronics) as per Mumbai Univ. syllabus



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2. Textbook on Electronic Product design for BE (E&TC) as per SPPU syllabus



Strictly as per the new Credit System Syllabus (2015 Course)
Savitribai Phule Pune University w.e.f. academic year 2018-2019

Electronic Product Design

(Elective II)

Semester VII
Electronics & Telecommunication Engineering

Dr. Dilip D. Chaudhary

Sanjay L. Kurkute



• Chapterwise solved SPPU Question Papers

 **Tech Knowledge**
PUBLICATIONS

Electronic Product Design (PO94A)

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3. Internal Symposium GISFI 32 GSSM- EEHRP: Energy Efficient Hybrid Routing Protocol for Wireless Sensor Network

EEHRP: Energy Efficient Hybrid Routing Protocol for Wireless Sensor Networks

Nandkumar Kulkarni^{1*}, Dnyaneshwar Mantri¹,
Neeli Rashmi Prasad² and Ranjee Prasad³

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²International Technological University (ITU), San Jose, USA

³Department of Business Development and Technology, Aarhus University, Aarhus, Herning, Denmark

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*Corresponding Author

Received 18 September 2020; Accepted 30 November 2020;
Publication XX XXXXXX XXXX

Abstract

With Multi-Objective Optimization (MOO) mechanisms, many practical scenarios are initiated in Wireless Sensor Networks (WSNs). In MOO numerous desirable conflicting or non-conflicting objectives contend with one another and the decision has to be done among multiple available solutions. Based on the type of situation, Programme, and issue to be solved, the MOO problem has varied solutions. The solution chosen is a tradeoff solution on several occasions. In WSN, it is possible to identify MOO issues and associated solutions based on network architecture, node deployment, MAC strategies, routing, data aggregation, node mobility, etc. In this context, the paper proposes mobility aware, competent, delay tolerant Energy Efficient Hybrid Routing Protocol (EEHRP). Optimizing several metrics to pick the best route from the source to the target node is the cornerstone of the EEHRP. Multi-Objective optimization from optimization theory is a NP-hard problem. EEHRP seeks to obtain a Pareto optimal solution for the selection of best MOO-based route under sensor node. The simulation results demonstrate that, relative to state-of-the-art solutions, EEHRP is efficient in terms of

Journal of Mobile Multimedia, Vol. 17, 1-3, 1-28.

doi: 10.13052/jmmml.550-4646.171315

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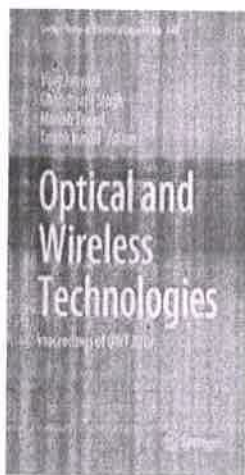
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4. A miniaturized Printed UWB Antenna with Sextuple Stop Bands on U shaped Slot Resonators and Split Ring Resonators for IOT application(Chapter in Lecture Notes in Electrical Engineering)

2020 | OriginalPaper | Chapter

Compact Multi-band Octagonal-Shaped Patch Antenna with a Partial Ground for WLAN/Wi-MAX Applications



Authors: Ritesh Kumar Saraswat, Swasti Dubey, Kunal Jeet Singh


Publisher: Springer Singapore

Published in: *Optical and Wireless Technologies*

 » Get access to the full-text

Abstract

A multi-band octagonal-shaped microstrip patch antenna with a compact size of $30 \times 26.5 \times 0.8$ (X, Y, Z) mm³ is designed on FR-4 substrate, and it operates in the WLAN 2.4/5.2/5.8 GHz bands and Wi-MAX 3.5 GHz band. The compact octagonal shape (split-ring resonator)-based patch antenna with multiple bands is presented in this paper. The proposed design is implemented on FR-4 substrate fed

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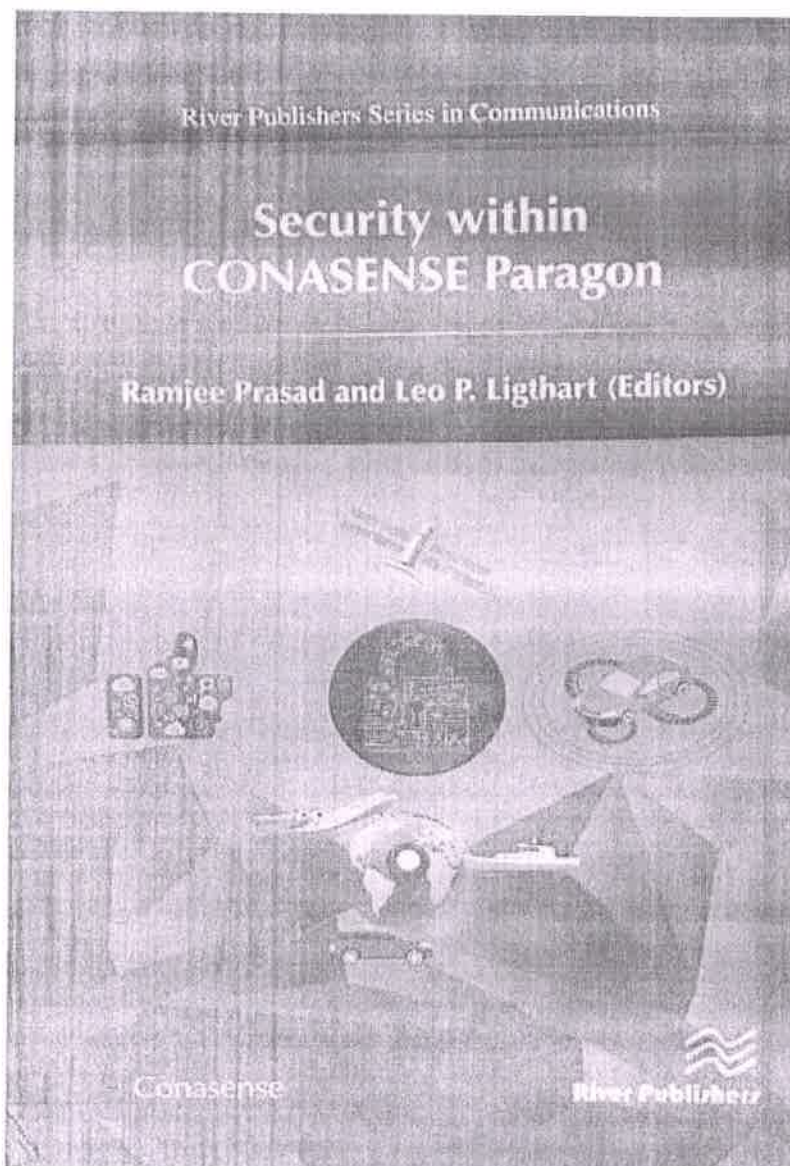
5. Textbook on Microcontroller



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6. Layered Network Security for Efficient Data Aggregation in CONASENSE - Book Chapter



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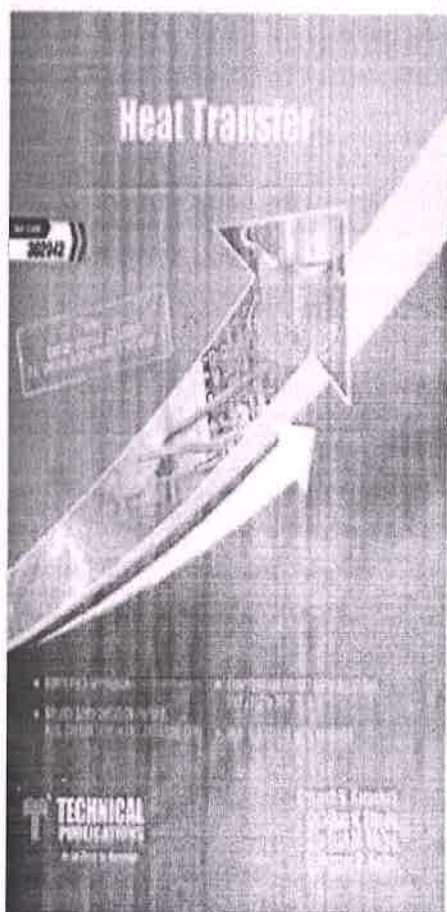
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7. Heat transfer for Savitribai Phule Pune University pune



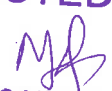
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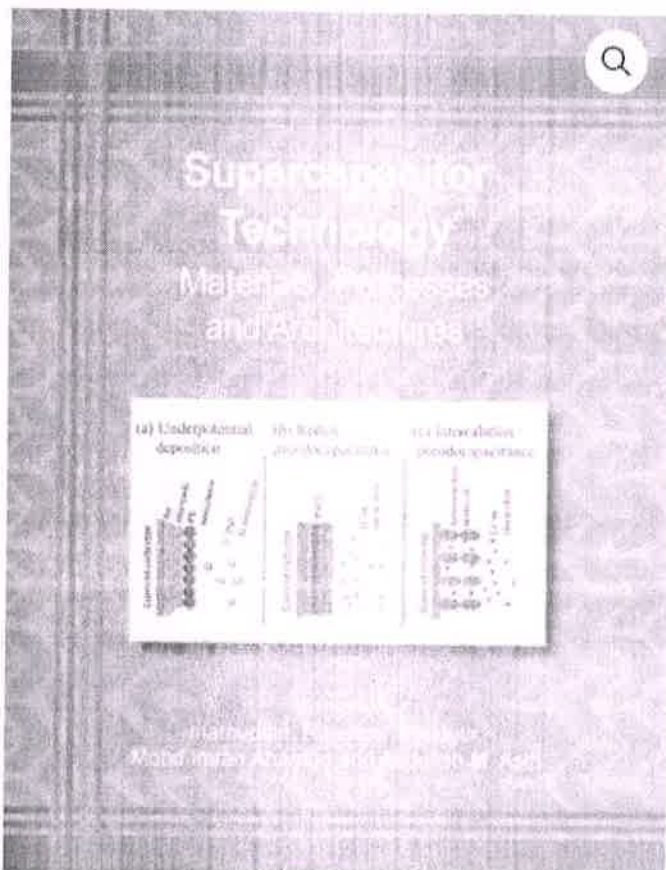
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ISBN	9789333215800
Author	Srikanth V. Karankoti, Dr. Vikas V. Shinde, Shailesh M. Mulye, Anilkumar D. Sathe
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Available	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Available in all digital devices

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8. Inorganic Electrolytes in Supercapacitor

MaterialsResearchForum LLC
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Inorganic Electrolytes in Supercapacitor


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Category: Chapter Tags: Carbon-Based Material, Electrolyte, Metal Oxide, Supercapacitor



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Supercapacitor Technology: Materials, Processes and Applications Materials Research Forum LLC
Materials Research Foundations 81 (2020) 11-30 <https://doi.org/10.21741/16721844900499-2>

Chapter 2

Inorganic Electrolytes in Supercapacitor

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Department of Mechanical Engineering, Maharashtra Institute of Technology, Pune, India,
411007

*prasadgokhale2007@gmail.com

Abstract

Supercapacitors are considered promising energy storage systems due to their high power density, fast charge-discharge, long service lifetime, wide operating temperature range and excellent capacitance retention. The electrochemical performance of the supercapacitors depends upon numerous factors such as nature of electrode materials, type of electrolyte and separator thickness, etc. Among these factors, electrolyte used in supercapacitors plays an important role in deciding final characteristics of supercapacitors. In recent decades, numerous research work has been on the development of novel electrolytes and electrode/electrolyte configurations. In this chapter, we aimed as focus on the role of inorganic electrolytes used in supercapacitors.

Keywords

Supercapacitor, Electrolyte, Metal Oxide, Electrolyte, Carbon-Based Material

Contents

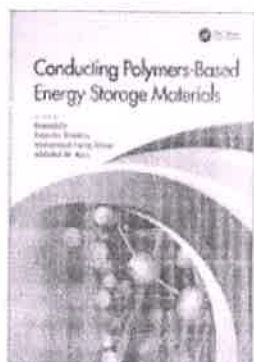
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9. Polymer-derived Materials for Supercapacitor



Chapter

Conductive Polymer-derived Materials for Supercapacitor

By P.E. Lokhande, U.S. Chavan

Book: Conducting Polymer-Based Energy Storage Materials

Edition	1st Edition
First Published	2019
Imprint	CRC Press
Pages	12
eBook ISBN	9780429202261

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10. Trust and Security to Shared Data in Cloud Computing: Open Issues (Chapter)



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2018 OriginalPaper Chapter

Trust and Security to Shared Data in Cloud Computing: Open Issues



Authors: Bharti L. Dhote, G. Krishna Mohan

Publisher: Springer Singapore

Published in: International Conference on Advanced Computing Networking and Informatics

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