

Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist-Pune (Maharashtra)

Criteria 3: Research, Innovations and Extension

Key Indicator – 3.2 Research Publication & Award

3.2.2 Number of books and chapters in edited volumes/books published and papers published innational/ international conference proceedings per teacher during the A.Y-2022-23 year

Sr.	Name of	Title of the	Title of the paper	Title of the	National /	ISBN/ISSN
No	the	book/chapter		proceedings of the	Internatio	number of the
•	teacher	s published		conference	nal	proceeding
1	Dr. S. B. Patil	-	Machine Learning algorithms To improve the accuracy of Brain Tumor	International Conference on Multidisciplinary Research (ICMR- 2022)	International	
2	Dr. S. B. Patil	-	Fuzzy based open switch fault Diagnosis of three phase voltage source.	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA-2022)	International	ISBN:978-1-6654- 8451-0
3	Dr. S. B. Patil	-	Preprocessing and skull stripping of brain Tumor Extraction from magnetic resonance imaging image using image processing	International Conference Of Recent Trends in Computing (ICRTC 2022)	International	
4	Dr. S. K. Pawar	-	Implementing Combinative Distance base assessment(CODAS) for selection of natural fibre for longlasting composites	First International Conference on Modern Materials For Engineering and Research(ICMMER 2022)	International	ISSN:1662-9752
5	Prof T. M. Dudhane	-	Smart Trolly Using Barcode and IoT	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA-2022)	International	ISBN:978-1-6654- 8451-2
6	Prof J. J. Bandal	-	Smart Trolly Using Barcode and IoT	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA-2022)	International	ISBN:978-1-6654- 8451-3
7	Prof B. R. Bhatti	-	Face Recognition System Using Machine Learning With OpenCV and Telegram BOT	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)"	International	ISBN:978-1-6654- 8451-4

Sr. No	Name of the teacher	Title of the book/chapter s published	Title of the paper	Title of the proceedings of the conference	National / Internatio nal	ISBN/ISSN number of the proceeding
8	Prof. K. S. Khamkar	-	Face Recognition System Using Machine Learning With OpenCV and Telegram BOT	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-5
9	Prof N. D. Bagul	-	Automatic Tire Infletion System for Defense Vehicle	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-6
10	Prof S. V. Jagtap	-	Automatic Tire Infletion System for Defense Vehicle	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-7
11	Prof H. G. Fadtare	-	Mathematical Techniques in Engineering Applications	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-8
12	Prof R. B. Raut	-	Review on Synthesis and Calculation Of Cerium Doped on Nickel Magnesium Spinel Ferrite	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-9
13	Prof. K. R. Juare	-	To Enhance The Productivity And Speed of Construction Using Automation Industry	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-10
14	Prof. S. S .Jadhav	-	To Enhance The Productivity And Speed of Construction Using Automation Industry	6th International Conference On Computing, Communication, Control And Automation (ICCUBEA 2022)	International	ISBN:978-1-6654- 8451-11
15	Dr. S. I. Nipanikar	Information and Communication Technology for Competitive Strategies (ICTCS-2022)	Steganography in Colour Images Arnold Chaotic Map and Optimized Curvelet Transform	-	International	ISBN:978-981-19- 9303-9 ISBN:978-981-19- 9304-6(e-book)

Sr. No	Name of the teacher	Title of the book/chapter s published	Title of the paper	Title of the proceedings of the conference	National / Internatio nal	ISBN/ISSN number of the proceeding
16	Prof. R. S. Nipanikar	Information and Communication Technology for Competitive Strategies (ICTCS-2022)	Steganography in Colour Images Arnold Chaotic Map and Optimized Curvelet Transform		International	ISBN:978-981-19- 9303-9 ISBN:978-981-19- 9304-6(e-book)
17	Prof T. M. Dudhane, Prof Jyoti J. Bandal, Prof Pradip V. Taware, Prof. Reshma R. Zende	IoT in Medical	Digital Education for a Changing World		National	ISBN:978-935-54- 5177-4(e-book)
	Prof. Kale J. G, Prof. Fartade G. H, Prof. Tapare B. P	IoT in Medical	The development of computational methods for solving large - scale optimization problems, such as those arising in logistic and supply chain management		National	ISBN:978-935-54- 5177-4(e-book)
19	Prof Digvijay Shelke, Prof Lahu Maskepatil, Prof Nilesh Bagul, Prof Sagar Jagtap, Prof Shilpa Gole	IoT in Medical	Modern Education Society and Culture		National	ISBN:978-935-54- 5177-4(e-book)
20	Prof Geetanjali Yadav, Prof Kaustubh Juare, Prof Niklesh Kank, Prof Shital Salunkhe	IoT in Medical	Digital Management Method and Process		National	ISBN:978-935-54- 5177-4(e-book)
21	Prof Komal Khamkar, Prof Bhagwan Thorat, Prof Pradnya Shinde, Prof Nagnath Dolare	IOI IN MEDICAL	Modern Education for a changing world		National	ISBN:978-935-54- 5177-4(e-book)
22	Prof Sanjay Nipanikar, Prof Sandeep R. Nalage, Prof Sachin R. Mahajan,, Prof Sandhya S. Nalage	Geometric Pattern	Application of VLSI: Recent Trends and Research Challenges of VLSI		International	ISBN:979-837-84- 6304-6
23	Prof Dr. Sumod Pawar, Prof Mangesh Bankar, Prof Shrikant Khemkar, Prof Vishwajit Jadhav, Prof Rahul L. Thombare	Geometric Pattern	Electric and Hybrid Vehicles		International	ISBN:979-837-84- 6304-6

24	Prof. Prajwal Gaikwad, Prof Rucha Divekar, Prof Poonam Gaikwad, Prof Sushama Jadhav	Geometric Pattern	Surveying and Levelling	International	ISBN:979-837-84- 6304-6
25	Prof Bhakti Bhatti, Prof Priyanka Kedge, Prof Sayli Dighe, Prof Priyanka Varpe		Applications of Machine Learning	International	ISBN:979-837-84- 6304-6



8970-

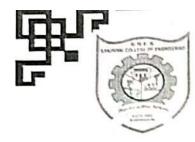
Principal Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engg. Dhangawadi, Pune-412206











Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopargaon (An Autonomous Institute, Affiliated to SPPU, Approved by AICTE) (Accredited by NAAC with 'A' Grade) DEPARTMENT OF COMPUTER ENGINEERING (Accredited by NBA)



International Conference on RECENT TRENDS IN COMPUTING (ICRTC 2022)

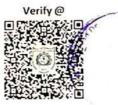
Certificate

This is to certify that Dr. S.B. Patil

presented a paper in the "International Conference on Recent Trends in Computing (ICRTC 2022)" organized by Department of Computer Engineering, Sanjivani College of Engineering, Kopargaon, Maharashtra, India during June 21 & 22, 2022

Title of the paper: Preprocessing and Skull Stripping of Brain Tumor Extraction from Magnetic Resonance Imaging Images Using Image Processing

Dr. D. B. Kshirsagar [Convenor & HoD-Computer]



Dr. A.G. Thakur Director

2022 First International Conference on Modern Materials for Engineering and Research (ICMMER 2022)

29 - 30, Septemberl 2022 | Tiruchengode, Tamil Nadu, India | www.icmmer.com

MMER 3016

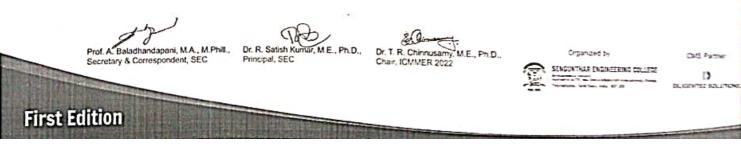
Peer Reviewed

This certificate is presented to



Sumod Pawar Assistant Professor, Shri Chhatrapati Shivajiraje College of Engineering, Pune, India.

for presenting the research paper entitled "Implementing Combinative distance base assessment (CODAS) for selection of natural fibre for long lasting composites" in the First International Conference on Modern Materials for Engineering and Research (ICMMER 2022) held at Hotel Alot, Coimbatore, Tamil Nadu, India during 29 - 30, September 2022. The conference has been organized by the Department of Mechanical Engineering, Sengunthar Engineering College, Tiruchengode, Tamil Nadu, India.





4

GERTIFICATE

Scientific.Net























































Lecture Notes in Networks and Systems 615

M. Shamim **Kaiser** Juanying Xie Vijay Singh Rathore *Editors*

Information and Communication Technology for Competitive Strategies (ICTCS 2022)

Intelligent Strategies for ICT

AD)3111731

Lecture Notes in Networks and Systems

Volume 615

Series Editor

Janusz Kacprzyk, Systems Research Institute. Polish Academy of Sciences. Warsaw, Poland

Advisory Editors

Fornando Gomide, Department of Computer Engineering and Automation—DCA. School of Electrical and Computer Engineering—FEEC, University of Campinas—UNICAMP, São Paulo, Brazil

Okyay Kaynak, Department of Electrical and Electronic Engineering, Bogazici University, Istanbul, Turkey

Derong Liu, Department of Electrical and Computer Engineering, University of Illinois at Chicago, Chicago, USA

Institute of Automation, Chinese Academy of Sciences, Beijing, China

Witold Pedrycz, Department of Electrical and Computer Engineering, University of Alberta, Alberta, Canada

Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland

Marios M. Polycarpou. Department of Electrical and Computer Engineering, KIOS Research Center for Intelligent Systems and Networks, University of Cyprus, Nicosia, Cyprus

Imre J. Rudas, Óbuda University, Budapest, Hungary

Jun Wang, Department of Computer Science, City University of Hong Kong, Kowloon, Hong Kong



The series "Lecture Notes in Networks and Systems" publishes the latest developments in Networks and Systems—quickly, informally and with high quality. Original research reported in proceedings and post-proceedings represents the core of LNNS.

Volumes published in LNNS embrace all aspects and subfields of, as well as new challenges in, Networks and Systems.

The series contains proceedings and edited volumes in systems and networks, spanning the areas of Cyber-Physical Systems, Autonomous Systems, Sensor Networks, Control Systems, Energy Systems, Automotive Systems, Biological Systems, Vehicular Networking and Connected Vehicles, Aerospace Systems, Automation, Manufacturing, Smart Grids, Nonlinear Systems, Power Systems, Robotics, Social Systems, Economic Systems and other. Of particular value to both the contributors and the readership are the short publication timeframe and the world-wide distribution and exposure which enable both a wide and rapid dissemination of research output.

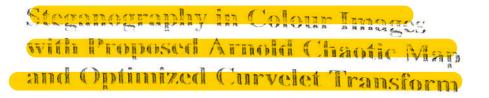
The series covers the theory, applications, and perspectives on the state of the art and future developments relevant to systems and networks, decision making, control, complex processes and related areas, as embedded in the fields of interdisciplinary and applied sciences, engineering, computer science, physics, economics, social, and life sciences, as well as the paradigms and methodologies behind them.

Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago.

All books published in the series are submitted for consideration in Web of Science.

For proposals from Asia please contact Aninda Bose (aninda.bose@springer.com).





Sanjay Nipanikar, Rohini Nipanikar, and Mahesh Kulkarni

Abstract Steganography seems to be the process of concealing secret information within a non-secret file or communication to prevent discovery: this hidden information is then retrieved at its destination. Steganography could be used in conjunction with encryption to conceal or safeguard data. As a result, numerous researchers have concentrated their efforts in this field in order to offer safe data transfer. In addition, we proposed a unique strategy called steganography in colour pictures with proposed Arnold chaotic map and optimized curvelet transform which has two working stages: image embedding and image extraction. In the first stage, the 3level DWT with curvelet transform is being used to embed the original picture with a watermarking image which uses self-improved Aquila optimization (SIAO) to get the better performance by optimizing the scaling factors. During the embedding phase, in the scrambling process, proposed Arnold chaotic map is used to scramble the image. In the second stage, the water marks get extracted from this water marking images by inverse 3-level DWT. Consequently, secret image was generated by applying inverse Arnold chaotic map transforms on the cover image. The performance of proposed work is compared over the other conventional models like existing Aquila optimizer. cat swarm optimization, spider monkey optimization, poor rich optimization. etc., which shows that our proposed steganography technique has greater performance.

Keywords Steganography · Image embedding · Arnold chaotic map transform · 3-level discrete wavelet transform · Self-improved Aquila optimization



S. Nipanikar (🖂) TSSM's PVPIT, Pune, Maharashtra, India c-mall. sanjaynipanikar99@gmail.com

R. Nipanikar · M. Kulkarni Rajgad Dnyanpeeth Technical Campus, Pune, Maharashtra, India

© The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2023 M. S. Kaiser et al. (eds.), Information and Communication Technology for Competitive Strategies (ICTCS 2022), Lecture Notes in Networks and Systems 615, https://doi.org/10.1007/978-981-19-9304-6_29

247



Lecture Notes in Networks and Systems 615

M. Shamim Kaiser Juanying Xie Vijay Singh Rathore *Editors*

Information and Comunication Technology for Competitive Strategies (ICTCS 2022)

Intelligent Strategies for ICT





Lecture Notes in Networks and Systems

Volume 615

Series Editor

Janusz Kacprzyk, Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland

Advisory Editors

Fernando Gomide, Department of Computer Engineering and Automation—DCA, School of Electrical and Computer Engineering—FEEC, University of Campinas—UNICAMP, São Paulo, Brazil

Okyay Kaynak, Department of Electrical and Electronic Engineering, Bogazici University, Istanbul, Turkey

Derong Liu, Department of Electrical and Computer Engineering, University of Illinois at Chicago, Chicago, USA

Institute of Automation, Chinese Academy of Sciences, Beijing, China

Witold Pedrycz, Department of Electrical and Computer Engineering, University of Alberta, Alberta, Canada

Systems Research Institute, Polish Academy of Sciences, Warsaw, Poland

Marios M. Polycarpou, Department of Electrical and Computer Engineering, KIOS Research Center for Intelligent Systems and Networks, University of Cyprus, Nicosia, Cyprus

Imre J. Rudas, Óbuda University, Budapest, Hungary

Jun Wang, Department of Computer Science, City University of Hong Kong, Kowloon, Hong Kong



M. Shamim Kaiser · Juanying Xie · Vijay Singh Rathore Editors

Information and Communication Technology for Competitive Strategies (ICTCS 2022)

Intelligent Strategies for ICT





Editors M. Shamim Kaiser Jahangirnagar University Dhaka, Bangladesh

Vijay Singh Rathore Jaipur Engineering College and Research Centre Jaipur, India

Juanying Xie School of Computer Science Shaanxi Normal University Xi'an, China

ISSN 2367-3370 ISSN 2367-3389 (electronic) Lecture Notes in Networks and Systems ISBN 978-981-19-9303-9 ISBN 978-981-19-9304-6 (eBook)

https://doi.org/10.1007/978-981-19-9304-6

© The Editor(s) (if applicable) and The Author(s), under exclusive license to Springer Nature

This work is subject to copyright. All rights are solely and exclusively licensed by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use. The publisher, the authors, and the editors are safe to assume that the advice and information in this book

are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional

This Springer imprint is published by the registered company Springer Nature Singapore Pte Ltd. The registered company address is: 152 Beach Road, #21-01/04 Gateway East, Singapore 189721,



Steganography in Colour Images with Proposed Arnold Chaotic Map and Optimized Curvelet Transform



Sanjay Nipanikar, Rohini Nipanikar, and Mahesh Kulkarni

Abstract Steganography seems to be the process of concealing secret information within a non-secret file or communication to prevent discovery; this hidden information is then retrieved at its destination. Steganography could be used in conjunction with eneryption to conceal or safeguard data. As a result, numerous researchers have concentrated their efforts in this field in order to offer safe data transfer. In addition, we proposed a unique strategy called steganography in colour pictures with proposed Arnold chaotic map and optimized curvelet transform which has two working stages: image embedding and image extraction. In the first stage, the 3level DWT with curvelet transform is being used to embed the original picture with a watermarking image which uses self-improved Aquila optimization (SIAO) to get the better performance by optimizing the scaling factors. During the embedding phase, in the scrambling process, proposed Arnold chaotic map is used to scramble the image. In the second stage, the water marks get extracted from this water marking images by inverse 3-level DWT. Consequently, secret image was generated by applying inverse Arnold chaotic map transforms on the cover image. The performance of proposed work is compared over the other conventional models like existing Aquila optimizer, cat swarm optimization, spider monkey optimization, poor rich optimization, etc., which shows that our proposed steganography technique has greater performance.

Keywords Steganography · Image embedding · Arnold chaotic map transform · 3-level discrete wavelet transform · Self-improved Aquila optimization

S. Nipanikar (🖾) TSSM's PVPIT, Pune, Maharashtra, India e-mail: sanjaynipanikar99@gmail.com

R. Nipanikar - M. Kulkarni Rajgad Dnyanpeeth Technical Campus, Pune, Maharashtra, India

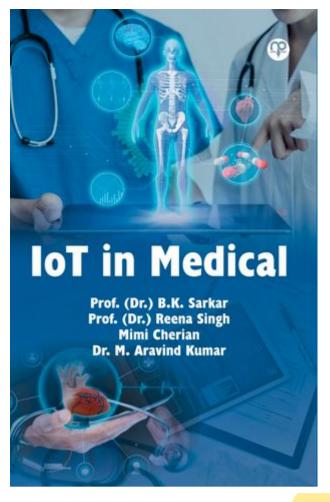
© The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2023 M. S. Kaiser et al. (eds.), *Information and Communication Technology for Competitive Strategies (ICTCS 2022)*, Lecture Notes in Networks and Systems 615, https://doi.org/10.1007/978-981-19-9304-6_29

297









IoT in Medical (eBook)

Digital Education for a Changing World

Dr. (Prof) B. K. Sarkar, Dr. (Prof) Reena Singh, Mimi Cherian, Dr. M. Arvind Kumar

Type: e-book Genre: Computers & Internet, Information Technology Language: English Price: ₹0 Add to Library Available Formats: PDF

Preview

Description

As the world undergoes rapid technological advancements and societal shifts, the landscape of education is evolving to meet the demands of a changing global environment. This paper explores the paradigm shift towards digital education and its implications for preparing individuals to thrive in an ever-evolving world. themes such as digital literacy, online learning platforms, personalized learning experiences, and the role of technology in fostering critical thinking and problem-solving skills. the challenges and opportunities associated with the digitalization of education, including issues of accessibility, equity, and the need for innovative pedagogical approaches. The abstract concludes by emphasizing the necessity of adapting educational systems to the digital age, ensuring that learners are equipped with the skills and knowledge needed to navigate and contribute meaningfully to the complexities of our changing world.

Keywords: digital education, online learning, digital literacy, personalized learning, technology in education, critical thinking, problem-solving, educational technology, accessibility, equity, innovative pedagogy.

About the Authors

Dr. (Prof) B. K. Sarkar Dr. (Prof) Reena Singh Mimi Cherian

Dr. M. Arvind Kumar



Book Details

ISBN: 9789355451774 Publisher: Namya Press Number of Pages: 11 Availability: Available for Download (e-book)

Datings & Daviance **IoT in Medical** Prof. (Dr.) B.K. Sarkar Prof. (Dr.) Reena Singh Mimi Cherian Dr. M. Aravind Kumar **WRITE A REVIEW**

IoT in Medical



(Not Available)

Review This Book

Write your thoughts about this book.

WRITE A REVIEW



Currently there are no reviews available for this book.

Be the first one to write a review for the book loT in Medical.

Write A Review



Digital Education for a Changing World

T. M. Dudhane <u>tmdudhane@gmail.com</u> SCSCOE, Pune Jyoti J. Bandal <u>bandal864@gmail.com</u> SCSCOE, Pune Pradip V. Taware <u>taware.pradiprdtccoe@gmail.com</u> SCSCOE, Pune Reshma R. Zende <u>reshmabhosale26@gmail.com</u>

SCSCOE, Pune

Abstract

As the world undergoes rapid technological advancements and societal shifts, the landscape of education is evolving to meet the demands of a changing global environment. This paper explores the paradigm shift towards digital education and its implications for preparing individuals to thrive in an ever-evolving world, themes such as digital literacy, online learning platforms, personalized learning experiences, and the role of technology in fostering critical thinking and problem-solving skills, the challenges and opportunities associated with the digitalization of education, including issues of accessibility, equity, and the need for innovative pedagogical approaches. The abstract concludes by emphasizing the necessity of adapting educational systems to the digital age, ensuring that learners are equipped with the skills and knowledge needed to navigate and contribute meaningfully to the complexities of our changing world.

Keywords: digital education, online learning, digital literacy, personalized learning, technology in education, critical thinking, problem-solving, educational technology, accessibility, equity, innovative pedagogy.

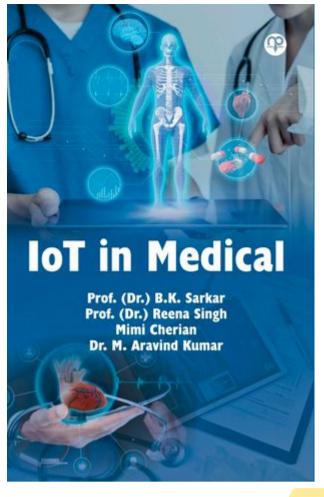
1.Introduction

In the 21st century, education is undergoing a profound transformation driven by global shifts that transcend geographical and cultural boundaries. The advent of the digital age, characterized by unprecedented technological advancements and the omnipresence of the internet, has ushered in









IoT in Medical (eBook)

The development of computational methods for solving large - scale optimization problems, such as those arising in logistic and supply chain management

Dr. (Prof) B. K. Sarkar, Dr. (Prof) Reena Singh, Mimi Cherian, Dr. M. Arvind Kumar

Type: e-book Genre: Computers & Internet, Information Technology Language: English **Price:** ₹0

Add to Library

Available Formats: PDF

Preview

Description

The recent developments and innovations in computational methods tailored for solving largescale optimization problems inherent in the domains of logistics and supply chain management. As these industries grapple with the challenges of increasing complexity, globalization, and the need for real-time decision-making, the demand for efficient optimization techniques has grown significantly. The paper delves into the theoretical foundations of optimization algorithms, their implementation details, and their practical applications in optimizing various facets of logistics and supply chain networks. Keywords: Large-Scale Optimization, Logistic and Supply Chain Management, Computational

Methods, Convex Optimization, Machine Learning

About the Authors

Dr. (Prof) B. K. Sarkar Dr. (Prof) Reena Singh Mimi Cherian Dr. M. Arvind Kumar



ISBN: 9789355451774 Publisher: Namya Press



The development of computational methods for solving largescale optimization problems, such as those arising in logistic and supply chain management.

Kale J. G SCSCOE, Pune nilukale002@gmail.com Fartade G. H SCSCOE, Pune mathsrdtc123@gmail.com Tapare B. P SCSCOE, Pune tapare.rajgad11@gmail.com

Abstract

the recent developments and innovations in computational methods tailored for solving largescale optimization problems inherent in the domains of logistics and supply chain management. As these industries grapple with the challenges of increasing complexity, globalization, and the need for real-time decision-making, the domand for efficient optimization techniques has grown significantly. The paper delves into the theoretical foundations of optimization algorithms, their implementation details, and their practical applications in optimizing various facets of logistics and supply chain networks.

Keywords: Large-Scale Optimization, Logistic and Supply Chain Management, Computational Methods, Convex Optimization, Machine Learning

1.Introduction

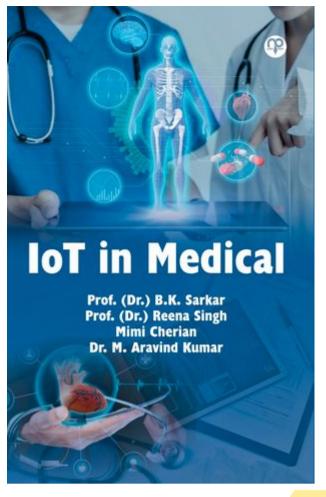
In the contemporary landscape of business and industry, the effective management of logistics and supply chains is paramount for ensuring operational efficiency and competitiveness. The intricacies of these systems often give rise to complex challenges that demand sophisticated solutions. One such critical area is the optimization of large-scale logistics and supply chain operations, where computational methods play a pivotal role in addressing the multifaceted issues that arise.

The exponential growth of global trade and the increasing complexity of supply chain networks have led to a surge in the size and intricacy of optimization problems encountered by businesses. These challenges range from optimizing inventory levels, minimizing transportation costs, and streamlining distribution networks to scheduling production processes efficiently. Tackling these large-scale optimization problems manually is often impractical due to the sheer volume of variables and constraints involved. Therefore, the integration of computational methods has become indispensable for developing effective and scalable solutions, the realm of computational methods specifically tailored for solving large-scale optimization problems in logistics and supply chain management. By leveraging mathematical models, algorithms, and advanced computing technologies, researchers and practitioners aim to devise strategies that enhance decision-making processes, reduce operational costs, and improve overall supply chain performance.









IoT in Medical (eBook)

Modern Education Society and Culture

Dr. (Prof) B. K. Sarkar, Dr. (Prof) Reena Singh, Mimi Cherian, Dr. M. Arvind Kumar

Type: e-book Genre: Computers & Internet, Information Technology Language: English Price: ₹0 Add to Library Available Formats: PDF

Preview

Description

The intersection of modern education, society, and culture represents a dynamic and evolving landscape that continuously shapes the way individuals perceive, interact, and contribute to the world. This abstract delves into the multifaceted connections between modern education systems and their profound influence on the broader societal and cultural fabric.

In the contemporary era, education serves as a catalyst for societal progress, fostering critical thinking, technological advancements, and global interconnectedness. The abstract explores how educational institutions, policies, and practices contribute to the formation of a knowledge-driven society, influencing economic development, social mobility, and the cultivation of informed citizens. The impact of digital technologies, online learning platforms, and artificial intelligence on educational paradigms is considered, with an emphasis on how these innovations redefine

traditional notions of teaching and learning.

Keywords: modern education, society, culture, globalization, cultural diversity, educational paradigms, societal norms, inclusivity, cultural identity, interdisciplinary analysis.

About the Authors

Dr. (Prof) B. K. Sarkar Dr. (Prof) Reena Singh Mimi Cherian

Dr. M. Arvind Kumar



Book Details

ISBN: 9789355451774 Publisher: Namya Press Number of Pages: 11 Availability: Available for Download (e-book)

<complex-block>

IoT in Medical



(Not Available)

Review This Book

Write your thoughts about this book.

WRITE A REVIEW



Currently there are no reviews available for this book.

Be the first one to <u>write a review</u> for the book <u>IoT in Medical</u>.

🧪 Write A Review



Modern Education Society and Culture

Digvijay Shelke digshelke@gmail.com SCSCOE, Pune Lahu Maskepatil lahu maskepatil@gmail.com SCSCOE, Pune Nilesh Bagul ndb@rajgad.edu.in SCSCOE, Pune Sagar Jagtap jagtapsagarv@gmail.com SCSCOE, Pune Shilpa Gole shilpagole23@gmail.com SCSCOE, Pune

Abstract

The intersection of modern education, society, and culture represents a dynamic and evolving landscape that continuously shapes the way individuals perceive, interact, and contribute to the world. This abstract delves into the multifaceted connections between modern education systems and their profound influence on the broader societal and cultural fabric.

In the contemporary era, education serves as a catalyst for societal progress, fostering critical thinking, technological advancements, and global interconnectedness. The abstract explores how educational institutions, policies, and practices contribute to the formation of a knowledge-driven society, influencing economic development, social mobility, and the cultivation of informed citizens. The impact of digital technologies, online learning platforms, and artificial intelligence on educational paradigms is considered, with an emphasis on how these innovations redefine traditional notions of teaching and learning.

Keywords: modern education, society, culture, globalization, cultural diversity, educational paradigms, societal norms, inclusivity, cultural identity, interdisciplinary analysis.

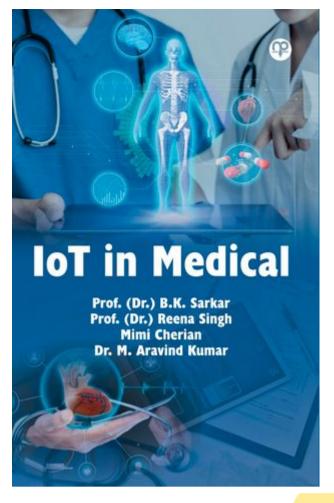
1. Introducton

In the 21st century, the synergy between modern education, society, and culture has become a focal point of examination, reflecting a dynamic interplay that significantly shapes the way individuals perceive, engage with, and contribute to the world. Education, once primarily viewed as a means to acquire knowledge and skills, now stands as a cornerstone for societal advancement and cultural evolution.









IoT in Medical (eBook)

Digital Management Method and Process

Dr. (Prof) B. K. Sarkar, Dr. (Prof) Reena Singh, Mimi Cherian, Dr. M. Arvind Kumar

Type: e-book Genre: Computers & Internet, Information Technology Language: English Price: ₹0 Add to Library Available Formats: PDF

Preview

Description

In the rapidly evolving landscape of digital technologies, effective digital management has become imperative for organizations to stay competitive and ensure sustainable growth. This paper introduces an integrated methodology that synthesizes various aspects of digital management into a cohesive and streamlined process framework. The proposed approach addresses key challenges in digital asset organization, data security, workflow optimization, and strategic decision-making. Keywords: Digital Management, Methodology, Process Framework, Digital Assets, Data Security 1. Introduction

In the contemporary business landscape, the proliferation of digital technologies has ushered in a new era of opportunities and challenges for organizations across diverse sectors. As businesses increasingly rely on digital assets, data, and processes, the need for an effective digital

management strategy has become paramount. This paper seeks to address the intricacies of digital management by presenting an integrated methodology that encapsulates a comprehensive process framework. The overarching goal is to streamline digital workflows, enhance organizational efficiency, and fortify strategic decision-making in the dynamic digital ecosystem. The rapid digitization of...

Read More

About the Authors

Dr. (Prof) B. K. Sarkar Dr. (Prof) Reena Singh Mimi Cherian Dr. M. Arvind Kumar



Book Details

ISBN: 9789355451774 Publisher: Namya Press Number of Pages: 11 Availability: Available for Download (e-book)

<complex-block>

IoT in Medical



(Not Available)

Review This Book

Write your thoughts about this book.

WRITE A REVIEW



Currently there are no reviews available for this book.

Be the first one to <u>write a review</u> for the book <u>IoT in Medical</u>.

🧪 Write A Review



Digital Management Method and Process

Geetanjali Yadav ygeetanjali21@gmail.com SCSCOE, Pune Kaustubh Juare kaustubhjuare1@gmail.com SCSCOE, Pune Niklesh Kank <u>nikleshkank@gmail.com</u> SCSCOE, Pune Shital Salunkhe

shitalpsalunkhe@gmail.com

SCSCOE, Pune

Abstract:

In the rapidly evolving landscape of digital technologies, effective digital management has become imperative for organizations to stay competitive and ensure sustainable growth. This paper introduces an integrated methodology that synthesizes various aspects of digital management into a cohesive and streamlined process framework. The proposed approach addresses key challenges in digital asset organization, data security, workflow optimization, and strategic decision-making. Keywords: Digital Management, Methodology, Process Framework, Digital Assets, Data Security

1. Introduction

In the contemporary business landscape, the proliferation of digital technologies has ushered in a new era of opportunities and challenges for organizations across diverse sectors. As businesses increasingly rely on digital assets, data, and processes, the need for an effective digital management strategy has become paramount. This paper seeks to address the intricacies of digital management by presenting an integrated methodology that encapsulates a comprehensive process framework. The overarching goal is to streamline digital workflows, enhance organizational efficiency, and fortify strategic decision-making in the dynamic digital ecosystem. The rapid digitization of business processes, coupled with the explosive growth of data, demands a strategic approach to digital management. As organizations grapple with the complexities of managing digital assets, ensuring data security, and optimizing workflows, there is a critical need for a unified framework that seamlessly integrates these facets. Our proposed methodology not only acknowledges these challenges but also provides a structured and adaptable approach to digital management that aligns with the evolving needs of modern enterprises. The unfolds in subsequent sections to delineate the components of our integrated methodology, emphasizing its applicability across various domains. By exploring the intricate interplay between digital assets, data security, workflow optimization, and strategic decision-making, we aim to offer insights that contribute to the enhancement of organizational resilience in the face of digital disruptions.

2. Literature review

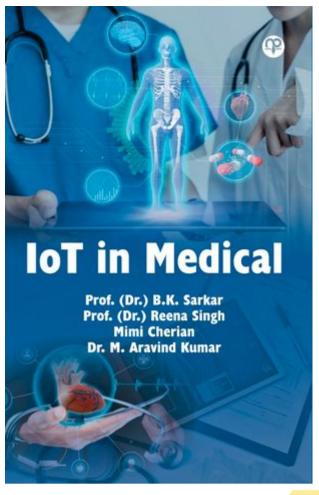
Digital Transformation and Organizational Strategy:

The concept of digital transformation has gained prominence as organizations seek to align their operations with the digital age. Scholars (Smith et al., 2018; Westerman et al., 2014) emphasize the pivotal role of strategic alignment in achieving successful digital transformations. Understanding how digital management integrates with overarching organizational strategies becomes crucial for sustained success in today's dynamic business environment.









IoT in Medical (eBook)

Modern Education for a changing world

Dr. (Prof) B. K. Sarkar, Dr. (Prof) Reena Singh, Mimi Cherian, Dr. M. Arvind Kumar

Type: e-book Genre: Computers & Internet, Information Technology Language: English **Price:** ₹0 Add to Library Available Formats: PDF

Preview

Description

The dynamics of modern society have significantly transformed the landscape of education, shaping a cultural and ethical framework that influences the way knowledge is acquired, disseminated, and applied. This abstract delves into the multifaceted relationship between education, society, culture, and ethics in contemporary contexts. It explores the reciprocal impact of societal norms and values on educational systems, as well as the role of education in shaping cultural identities and ethical perspectives. The abstract also examines the challenges and opportunities presented by the intersection of modern education, societal expectations, cultural diversity, and ethical considerations. By understanding these interconnections, stakeholders in education can navigate the complexities of preparing individuals for an ever-evolving global landscape.

About the Authors

Dr. (Prof) B. K. Sarkar Dr. (Prof) Reena Singh Mimi Cherian

Dr. M. Arvind Kumar

Book Details

ISBN: 9789355451774

Publisher: Namya Press Number of Pages: 11 Availability: Available for Download (e-book)



Modern Education for a changing world

Komal Khamkar kkskhamkar@gmail.com SCSCOE, Pune Bhagwan Thorat bhagwan.thorat@gmail.com SCSCOE, Pune Pradnya Shinde pradnya2206@gmail.com SCSCOE, Pune Nagnath Dolare prof.nagnathdolare@gmail.com SCSCOE, Pune

Abstract:

The dynamics of modern society have significantly transformed the landscape of education, shaping a cultural and ethical framework that influences the way knowledge is acquired, disseminated, and applied. This abstract delves into the multifaceted relationship between education, society, culture, and ethics in contemporary contexts. It explores the reciprocal impact of societal norms and values on educational systems, as well as the role of education in shaping cultural identities and ethical perspectives. The abstract also examines the challenges and opportunities presented by the intersection of modern education, societal expectations, cultural diversity, and ethical considerations. By understanding these interconnections, stakeholders in education can navigate the complexities of preparing individuals for an ever-evolving global landscape.

Keywords: Modern education, society, culture, ethics, educational systems, cultural diversity, ethical considerations, technology in education, inclusive education.

1. Introduction

In the tapestry of human civilization, education, society, culture, and ethics are interwoven threads that collectively shape the fabric of our shared existence. As we navigate the complexities of the modern era, the symbiotic relationship between education and its societal context becomes









Wain, Tyler



Geometric Patterns (eBook)

Wain, Tyler

Type: e-book Genre: Engineering, Science & Technology Language: English Price: ₹0 Add to Library

Available Formats: PDF

Preview

Description

The field of Very Large-Scale Integration (VLSI) has witnessed unprecedented growth and innovation in recent years, driven by advancements in semiconductor technology. This research paper explores the latest trends and research challenges in the application of VLSI, shedding light on the transformative impact of VLSI in various domains. The paper reviews recent developments in VLSI applications such as Internet of Things (IoT), artificial intelligence, edge computing, and 5G communication. It delves into the design methodologies, tools, and architectures that enable the integration of millions to billions of transistors on a single chip. Additionally, the paper discusses the challenges faced by researchers and industry professionals in pushing the boundaries of VLSI technology, including power consumption, thermal issues, security concerns, and the demand for novel fabrication techniques. The research paper aims to provide a comprehensive overview of the cutting-edge applications of VLSI, identify emerging trends, and outline the key

research challenges that need to be addressed for the continued advancement of VLSI...

Read More

About the Authors

Wain, Tyler

Book Details

ISBN: 9798378463046

Publisher: GEH Press

Number of Pages: 10

Availability: Available for Download (e-book)



Application of VLSI: Recent Trends and Research Challenges of VLSI

Sanjay I. Nipanikar sanjaynipanikar99@gmail.com SCSCOE, Pune Sandeep R. Nalage sandeepnalage@gmail.com SCSCOE, Pune Sachin R. Mahajan smahajan733@gmail.com SCSCOE, Pune Sandhya S. Nalage sandhyanalage84@gmail.com SCSCOE, Pune

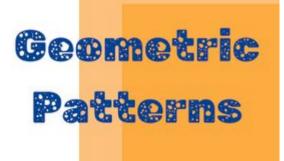
Abstract:

The field of Very Large-Scale Integration (VLSI) has witnessed unprecedented growth and innovation in recent years, driven by advancements in semiconductor technology. This research paper explores the latest trends and research challenges in the application of VLSI, shedding light on the transformative impact of VLSI in various domains. The paper reviews recent developments in VLSI applications such as Internet of Things (IoT), artificial intelligence, edge computing, and 5G communication. It delves into the design methodologies, tools, and architectures that enable the integration of millions to billions of transistors on a single chip. Additionally, the paper discusses the challenges faced by researchers and industry professionals in pushing the boundaries of VLSI technology, including power consumption, thermal issues, security concerns, and the demand for novel fabrication techniques. The research paper aims to provide a comprehensive overview of the cutting-edge applications of VLSI, identify emerging trends, and outline the key research challenges that need to be addressed for the continued advancement of VLSI technology. Keywords: VLSI, Very Large-Scale Integration, semiconductor technology, IoT, artificial intelligence, edge computing, 5G communication **1.introduction**









Wain, Tyler



Geometric Pattern (eBook)

Wain, Tyler

Type: e-book Genre: Engineering, Science & Technology Language: English Price: ₹0 Add to Library

Available Formats: PDF

Preview

Description

Thorough examination of the current state, advancements, and challenges in the field of electric and hybrid vehicles. The rapid depletion of fossil fuel resources and growing environmental concerns have driven the automotive industry to seek sustainable alternatives. Electric and hybrid vehicles have emerged as promising solutions, with advancements in battery technology, powertrain design, and infrastructure development contributing to their increased adoption. This paper reviews the key technologies underpinning electric and hybrid vehicles, explores the environmental benefits, and delves into the challenges hindering their widespread adoption. Additionally, the research paper discusses government initiatives, industry trends, and potential future developments, aiming to offer a comprehensive understanding of the current landscape and future prospects of electric and hybrid vehicles.

About the Authors

Wain, Tyler

Book Details

ISBN: 9798378463046

Publisher: GEH Press

Number of Pages: 11

Availability: Available for Download (e-book)



Electric and Hybrid Vehicles

Dr. Sumod Pawar sumodpawar@gmail.com SCSCOE, Pune Mangesh Bankar mbbankar89@gmail.com SCSCOE, Pune Shrikant Khemkar scscoe, Pune Rahul L. Thombare rahulthombare2019@gmail.com SCSCOE, Pune

Abstract:

thorough examination of the current state, advancements, and challenges in the field of electric and hybrid vehicles. The rapid depletion of fossil fuel resources and growing environmental concerns have driven the automotive industry to seek sustainable alternatives. Electric and hybrid vehicles have emerged as promising solutions, with advancements in battery technology, powertrain design, and infrastructure development contributing to their increased adoption. This paper reviews the key technologies underpinning electric and hybrid vehicles, explores the environmental benefits, and delves into the challenges hindering their widespread adoption. Additionally, the research paper discusses government initiatives, industry trends, and potential future developments, aiming to offer a comprehensive understanding of the current landscape and future prospects of electric and hybrid vehicles.

Keywords: Electric vehicles, Hybrid vehicles, Battery technology, Powertrain, Environmental benefits, Infrastructure, Government policies, Industry trends, Future prospects.







Geometric Patterns

Wain, Tyler



Geometric Patterns (eBook)

Wain, Tyler

Type: e-book Genre: Engineering, Mathematics Language: English Price: ₹0

Add to Library

Available Formats: PDF

Preview

Description

Surveying and leveling are essential techniques in civil engineering and land development, providing accurate measurements and data crucial for construction and infrastructure projects. This abstract explores the fundamental concepts and methodologies involved in surveying and leveling, emphasizing their significance in ensuring precise geometric and spatial information. Key aspects of surveying, such as the use of total stations, theodolites, and GPS technologies, are discussed to highlight the evolution and integration of modern tools. Additionally, the abstract delves into leveling techniques, including differential leveling and trigonometric leveling, showcasing their applications in establishing elevations and contours. The importance of accurate surveying and leveling in minimizing errors, optimizing resource utilization, and facilitating informed decisionmaking in construction projects is underscored. As the field continues to advance with technology, the abstract also touches upon emerging trends, such as LiDAR and drone-based surveying, shaping the future of surveying and leveling practices. Overall, this abstract provides a comprehensive overview of surveying and leveling, offering valuable insights for professionals, researchers, and...

Read More

About the Authors

Wain, Tyler

Book Details

ISBN: 9798378463046

Publisher: GEH Press Number of Pages: 10



Surveying and Levelling 1. Prof. Prajwal Gaikwad prajwalgaikwad707@gmail.com SCSCOE, Pune 2. Rucha Divekar ruchacdivekar@gmail.com SCSCOE, Pune 3. Poonam Gaikwad poonamgaikwad@gmail.com SCSCOE, Pune 4. Sushama Jadhav jadhav.sush29@gmail.com SCSCOE, Pune

Abstract:

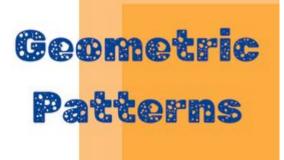
Surveying and leveling are essential techniques in civil engineering and land development, providing accurate measurements and data crucial for construction and infrastructure projects. This abstract explores the fundamental concepts and methodologies involved in surveying and leveling, emphasizing their significance in ensuring precise geometric and spatial information. Key aspects of surveying, such as the use of total stations, theodolites, and GPS technologies, are discussed to highlight the evolution and integration of modern tools. Additionally, the abstract delves into leveling techniques, including differential leveling and trigonometric leveling, showcasing their applications in establishing elevations and contours. The importance of accurate surveying and leveling in minimizing errors, optimizing resource utilization, and facilitating informed decisionmaking in construction projects is underscored. As the field continues to advance with technology, the abstract also touches upon emerging trends, such as LiDAR and drone-based surveying, shaping the future of surveying and leveling practices. Overall, this abstract provides a comprehensive overview of surveying and leveling, offering valuable insights for professionals, researchers, and students in the field of civil engineering and land surveying.

Keywords: Surveying, leveling, total station, theodolite, GPS, differential leveling, trigonometric leveling, elevation, contour, LiDAR, drone-based surveying, civil engineering, land development.









Wain, Tyler



Geometric Patterns (eBook)

Wain, Tyler

Type: e-book Genre: Engineering, Science & Technology Language: English Price: ₹0 Add to Library

Available Formats: PDF

Preview

Description

Machine learning is one of the older areas of artificial intelligence and concerns the study of computational methods for the discovery of new knowledge and for the management of existing knowledge. Machine learning methods have been applied to various application domains. However, in the few last years due to various technological advances and research efforts (e.g. completion of the Human Genome Project, evolution of the Web), new data have been available and consequently new domains where machine learning can be applied have been arisen. Some of these modern applications are learning from biological sequences, learning from email data, and learning in complex environments such as Web. three application domains as well as some recent efforts, where machine learning techniques are applied in order to analyze the data provided by these domains.

About the Authors

Wain, Tyler

Book Details

ISBN: 9798378463046

Publisher: GEH Press

Number of Pages: 10

Availability: Available for Download (e-book)



Applications of Machine Learning 1. Bhakti Bhatti SCSCOE, Pune 2. Priyanka Varpe priyankagire2004@gmail.com SCSCOE, Pune

Abstract

Machine learning is one of the older areas of artificial intelligence and concerns the study of computational methods for the discovery of new knowledge and for the management of existing knowledge. Machine learning methods have been applied to various application domains. However, in the few last years due to various technological advances and research efforts (e.g. completion of the Human Genome Project, evolution of the Web), new data have been available and consequently new domains where machine learning can be applied have been arisen. Some of these modern applications are learning from biological sequences, learning from email data, and learning in complex environments such as Web. three application domains as well as some recent efforts, where machine learning techniques are applied in order to analyze the data provided by these domains.

Keywords Bioinformatics, Learning from Email, Machine Learning, Reinforcement Learning 1.introduction

The concept of a cognitive system revolves around its ability to comprehend the intricacies of its environment through the construction of a simplified interpretation termed as a model. This process of model construction is encapsulated within the realm of inductive learning. Furthermore, a cognitive system showcases its adeptness in organizing experiences by creating new structures referred to as patterns. When a cognitive system utilizes a dataset to construct models and patterns, this endeavor is recognized as machine learning.

Machine learning tasks can be broadly categorized into two groups: supervised learning and unsupervised learning. In supervised learning, the cognitive system endeavors to learn a

