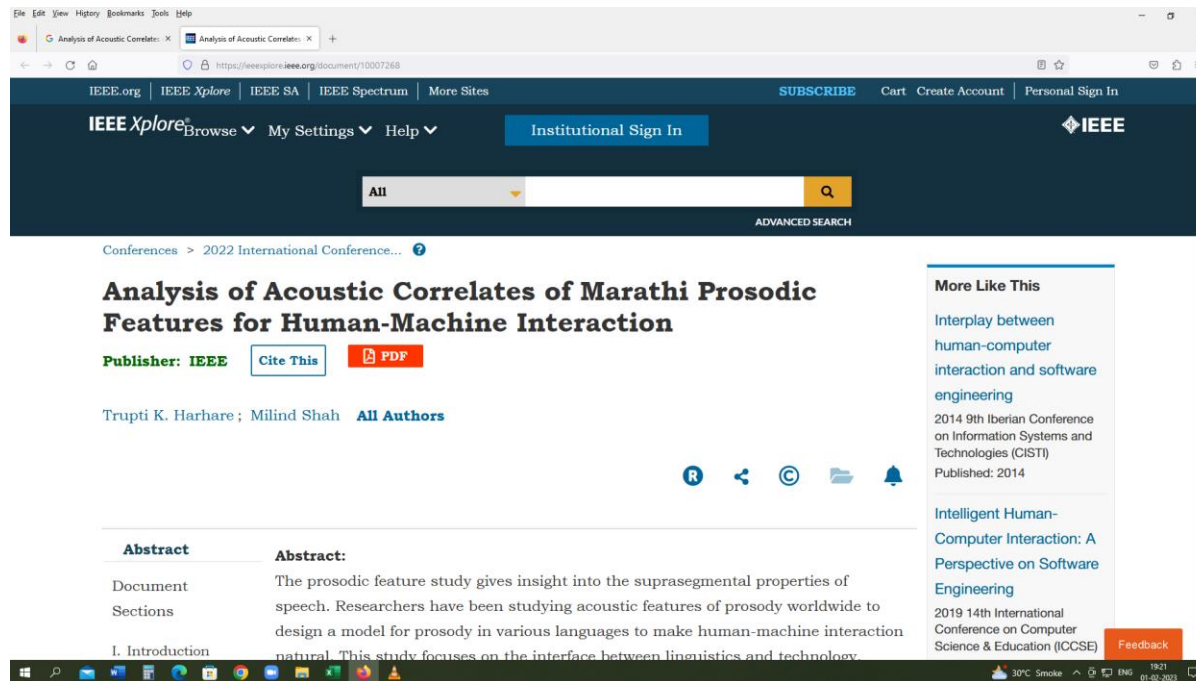




3.3.2 Books with ISBN number/Cover page/content page/first page of the selected publication

AY2021-22




PRINCIPAL
Lokmanya Tilak College of Engineering
Sector -4, Vikas Nagar, Koparkhairane,
Navi Mumbai - 400 709.



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The screenshot shows a web browser window with the following elements:

- Browser Tabs:** "Inbox (10,887) - shilpa.wakode@...", "Book chapter - shilpa.wakode@...", "Criteria 3_new - Google Drive", "3.3.2.xlsx - Google Sheets".
- Address Bar:** "mail.google.com/mail/u/2/?zx=lxe8el81zrn#inbox/FMfcgzGrbvHXRSdfXzZZwQIQVkkPCCQc?projector=1&messagePartId=0.1"
- Page Title:** "ML_book chapter_sheeba.jpg"
- Website:** Taylor & Francis Group. The page displays a chapter titled "Application of Machine Learning in Stock Market Prediction" by P. S. Sheeba and Subhash K. Shinde. The book is "Handbook of Research on Machine Learning".
- Metadata:**
 - Edition: 1st Edition
 - First Published: 2022
 - Imprint: Apple Academic Press
 - Pages: 24
 - eBook ISBN: 9781003277330
- Buttons:** "GET ACCESS" and "GO TO ROUTLEDGE.COM".
- Taskbar:** Shows system tray with weather (84°F, Smoke), search, and date/time (10-01-2023, 15:54).



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The screenshot shows a web browser window with a PDF document titled "ICEET_CERTIFICATE_ID # 124.pdf" open. The document is a certificate for the 8th International Conference on Engineering and Emerging Technologies (ICEET 2022), held in Kuala Lumpur, Malaysia, from October 27-28, 2022. The certificate is presented to Trupti Kamiesh Harhare* and Millind S. Shah for an oral presentation of paper ID-124, titled "Analysis of Acoustic Correlates of Marathi Prosodic Features for Human-Machine Interaction". The certificate is signed by Prof. Dr. Mardeni Bin Roslee, General Chair of ICEET 2022, and Dr. Adnan Yousof, Executive Chair of ICEET 2022. The organizers and sponsors listed are UMMU (Multimedia University), IEEE, IEEE Malaysia Chapter & ITS Joint Chapter, IEEE Conf Soc VTS, and Superior University. The browser interface shows the address bar with a mail.google.com link and a Windows taskbar at the bottom with the date 10-01-2023 and time 16:18.



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The screenshot shows a web browser window with several tabs open, including 'Inbox (10,886) - shilpa.wakode@...', 'Papers Published in 2022 - shilp...', 'Criteria 3_new - Google Drive', and '3.3.2.xlsx - Google Sheets'. The active tab is a Gmail message containing a PDF document titled 'Protected Biometric Identification with Multiple Finger Vein' by Suresh K. Chaudhary and Suresh K. Nish. The document is from the Department of Electronic Engineering at Lokmanya Tilak College of Engineering, Mumbai, India. The paper discusses a secure method for getting protection as an identification process which involves one-to-one matching. It covers the process of identification, the use of multiple finger vein images, and the implementation of a secure system. The paper also includes an abstract, introduction, and a flowchart (Fig. 1) illustrating the proposed system architecture. The flowchart shows the process from 'User Registration' to 'User Authentication', involving 'Finger Vein Capture', 'Feature Extraction', 'Template Storage', and 'Template Matching'.

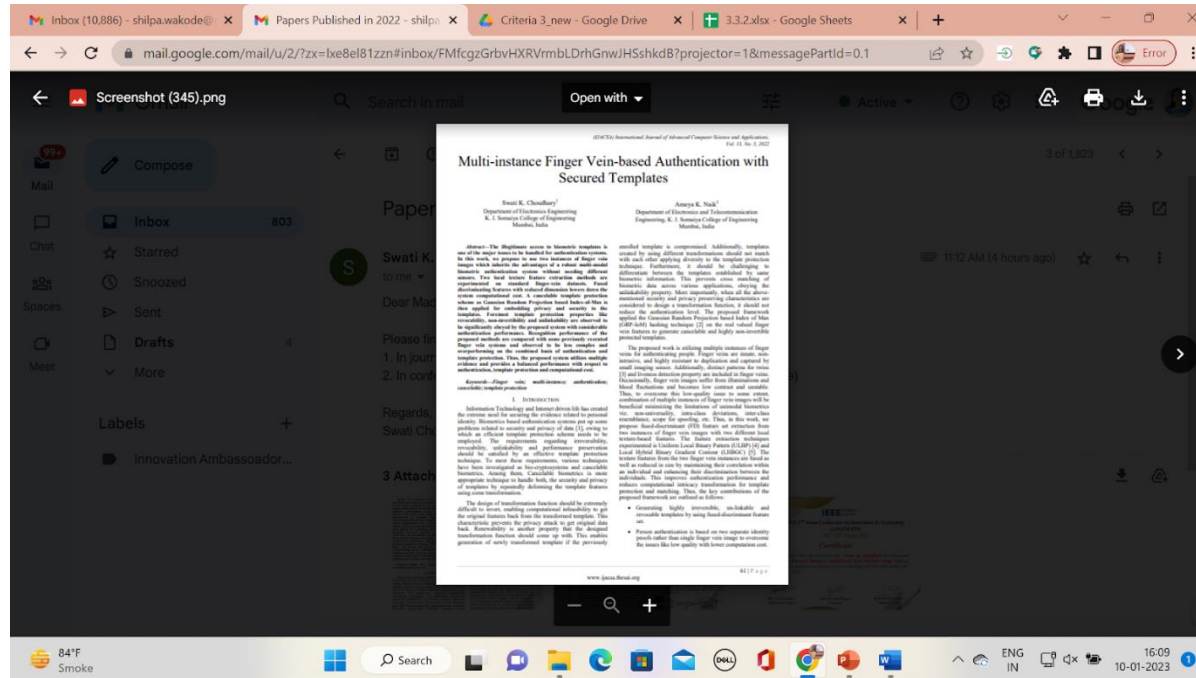


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The screenshot shows a web browser window with the following content:

- Browser Address Bar:** <https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119792345.ch15>
- Page Header:** Working off-campus? Learn about our remote access options
- Navigation:** Wiley Online Library, Search, Login / Register
- Article Title:** Chapter 15: Aids of Machine Learning for Additively Manufactured Bone Scaffold
- Author:** Nimisha Rahul Shirbhate, Sanjay Bokade
- Book Editor(s):** Monika Mangla, Nonita Sharma, Poonam Mittal, Vaishali Mehta Wadhwa, K. Thirunavukkarasu, Shahnawaz Khan
- Publication Date:** First published: 30 July 2021 | <https://doi.org/10.1002/9781119792345.ch15>
- Tools:** PDF, TOOLS, SHARE
- Summary:** Additively manufactured bone scaffolds are used to replace or support the function of lost or damaged bone tissue. The scaffolds are designed to provide a porous structure that...
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The screenshot shows a web browser window displaying the IEEE Xplore digital library. The page features a dark blue header with navigation links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. A search bar is present with the text 'All' and a search icon. Below the header, the breadcrumb trail reads 'Conferences > 2022 2nd Asian Conference on ...'. The main content area displays the title 'Protected Biometric Identification with Multiple Finger Vein' in a large, bold font. Below the title, it indicates the publisher as 'IEEE' and provides options to 'Cite This' or download a 'PDF'. The authors listed are 'Swati K. Choudhary' and 'Ameya K. Naik', with a link to 'All Authors'. On the left side, there are tabs for 'Paper', 'Citation', and 'Views', with 'Paper' selected. The 'Abstract' section is visible, starting with 'Document Sections' and 'L. Introduction'. The abstract text reads: 'The access control or gaining permission to do a particular activity without claiming your identity is an identification process which involves one is to all matchings. The proposed multi-instance biometric identification utilizes multiple instances of finger vein to identify a person with secured templates. Common pre-processing and'. On the right side, there is a 'More Like This' section with several related article titles, including 'Fingerprint identification using feature extraction: A survey', 'Competitive Coding Scheme based on 2D Log-Gabor filter for Palm Vein Recognition', and '2018 NASA/ESA Conference on Adaptive Hardware and Systems (AHS)'. A 'Feedback' button is located at the bottom right of the page. The browser's taskbar at the bottom shows the system tray with a temperature of 30°C, a smoke icon, and the date and time: 19:24 on 01-02-2023.



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Protected Biometric Identical: x Performance Implications of Th: x

https://ieeexplore.ieee.org/document/10011099

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Performance Implications of Thread Count on OS Level Factors in Multithreaded Applications

Publisher: IEEE Cite This PDF

Sachin Malave; Subhash Shinde **All Authors**

Abstract: In high-performance computing, picking the right number of threads to gain a good speedup is important, as many OS-level parameters are influenced by even slight adjustments in thread count. These parameters are required by the operating system for process management and should not be ignored. They also contribute overhead to

Abstract

Document

Sections

1. Introduction

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2019 International Conference on High Performance Computing & Simulation (HPCS)
Published: 2019

In-kernel integration of operating system and infiniband functions for

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The screenshot shows a web browser displaying an IEEE Xplore article. The browser's address bar shows the URL: <https://ieeexplore.ieee.org/document/9791814>. The page header includes navigation links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites, along with options to SUBSCRIBE, Cart, Create Account, and Personal Sign In. The article title is "Analysis of Different Encryption Techniques used in Watermarking Algorithm for the Security of Medical Image". The publisher is IEEE, and there are buttons for "Cite This" and "PDF". The authors listed are Namita D. Pulgam and Subhash K. Shinde. The article has 54 full text views. The abstract begins with "Today, in the computerized age, the development and use of internet technology in healthcare has been increasing rapidly. Quick improvement is going on in the". A "More Like This" sidebar on the right suggests related articles, including "Data security in medical information system" (published 2009) and "A Robust Mutual Authentication Scheme Based on Elliptic Curve Cryptography for Telecare Medical Information Systems" (published 2018). A "Feedback" button is located at the bottom right of the article content area. The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a smoker icon, and the date 01-02-2023.



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Chapter 15

Aids of Machine Learning for Additively Manufactured Bone Scaffold

Nimisha Rahul Shirbhate, Sanjay Bokade

Book Editor(s): Monika Mangla, Nonita Sharma, Poonam Mittal, Vaishali Mehta Wadhwa, K. Thirunavukkarasu, Shahnawaz Khan

First published: 30 July 2021 | <https://doi.org/10.1002/9781119792345.ch15>

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Summary

Bone scaffold is a three-dimensional porous construction that provides support to enhance natural cell growth in the injured or broken part of the bone. In recent years, investigators from various departments like biomedical, mechanical, and orthopedics have

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Dizhen Dizhi Journal (ISSN-0253-4967)

Regeneration of Natural Bone and its Dynamic Analysis

Nimisha Shirbhate¹, Sanjay Bokade²
¹Research scholar, Mechanical engineering Department, RGIT, Mumbai
²Professor, Mechanical engineering Department, RGIT, Mumbai
¹nomotghare@gmail.com, ²sanjay bokade@mctrgit.ac.in

Abstract: Human skeleton could have a number of kinds of fractures but, one of the noticeable number of fracture occurs in the human body takes place within the femur bone. Among all one of the important reason for this sort of fracture is due to it being the longest bone in entire body. Femur bone liable to sustain whole weight of human body. The critical geometry and anisotropy traits of this bone has recounted huge importance within the field of biomedical area. Treating these larger fractures usually by Bone graft. The material used for a bone graft is frequently required different types of exclusive analyses and check for biocompatibility. Bone grafting uses as remedy of the anatomical damage. In spite of that, because of biological constrained and dangers associated with autografts as well as with allografts, it needs substitute treatment and that may be the Bone scaffold. The bone scaffold is a porous material of customized shape and size, that facilitates to develop cells in damaged area. this article gives an in depth assessment of Dynamic analysis of 3D printed bone scaffold.

Keywords: Bone scaffold, Dynamic analysis, cell growth, Bone formation

1. Introduction

The reasons of most bone disorders and degeneration of tissues are categorized into accidental bone loss, or fractures, different types of infections, cancer, age group, and hereditary diseases, which can all results into damage. In spite of this, once the damage reaches to critical point or when it exceeds the limit of the bone's regrowth capacity, treatment is needed to initiate the natural cell growth and to heal the damaged section. Grafting is the current treatment in which tissues can be harvested from patients own body (autograft) or it can be taken from another (donors) body (allograft). Grafting is the painful treatment also there are chances of infections and disease to carry along with the tissue. Another treatment to overcome these customised porous structure which help to initiate the natural cell growth.

The 3D printed bone scaffold has its important application in treating the bone defects. The additively manufactured bone scaffold can be evaluated based on the load carrying capacity, its strength and dynamic behavior as well. The different mechanical characteristic plays an important role in predicting its behavior in human body. There are some of the important and variety of taken into consideration while choosing the literature or material for the study. The performance of bone scaffold is evaluated by static structural analysis and fluid dynamic analysis. Static structural behavior helps to identify mechanical properties and fluid dynamic analysis help to find out



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The screenshot shows a web browser window with multiple tabs. The active tab is titled "Smart Antennas | springerprof...". The address bar shows the URL: <https://www.springerprofessional.de/en/smart-antennas/20098096>. The page content includes a search bar, navigation links (Disciplines, Books, Journals, Events, Individual access, Access for companies), and a list of search results. The first result is titled "Slot-Based Miniaturized Textile Antenna for Wearable Application" with an abstract discussing wearable devices and antenna technology. The second result is titled "Terahertz Antenna Technology for Detection of Explosives and Weapons: A Concise Review" with an abstract discussing wireless applications and terahertz frequency bands. The browser's taskbar at the bottom shows the system tray with a temperature of 32°C, a smoke alarm icon, and the date 01-02-2023.

element lead with microstrip feed and defected ground used in the design. The conducting material of the

Show more ▾

Slot-Based Miniaturized Textile Antenna for Wearable Application
Abstract
The basic need of wearable devices is for hands-free movements or in some special cases where handheld electronic gadgets are not possible to carry. Due to the pandemic, in a body area network, the necessity for hands-free wearable gadgets is increasing worldwide. Along with hands-free, it should be compact enough to fit in a trivial place of transmitter. Therefore, advances in compact wearable antenna technology are being driven by this motivation. The main significance of reducing the size of the antenna is that they become lightweight, emit broad radiation across the surface of the human skin to offer full coverage, and reduce sensitivity to variation in distance between the antenna and the skin. This work presents a miniaturized fabric antenna that can be worn like normal clothing operating at 2.5 GHz and demonstrates a less complex size reduction technique. It further illustrates that coarse and fine frequency variability could be achieved by varying the patch and feed length, respectively, in a similar structure for some special application. The proposed results are tested with various practical conditions such as on-body and bending effect. This design recommends a simple slot technique without the use of any complicated methods such as metamaterial, substrate integrated waveguide (SIW) technique, and electromagnetic bandgap (EBG). These complicated methods are used for size reduction by researchers in this field. However, this simple design offers the best solution for on-body communications and wearable applications.

Pranita Manish Potey, Kuzhal Tuckley, Anjali Thakare

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Terahertz Antenna Technology for Detection of Explosives and Weapons: A Concise Review
Abstract
The rapid development of various advanced wireless applications in diversified fields makes the microwave spectrum congested, thereby demanding higher frequency bands (terahertz) with high transmission data rates (Tbps) for next-generation wireless systems. Terahertz frequency band will eliminate communication spectrum

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File Antenna for Wearable Application

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Back

ANTENNA SELECTION IN FUTURE MIMO SYSTEMS
A comprehensive Guide for MIMO Systems in Future Wireless Communication
LAP Lambert Academic Publishing (2022-04-28)
€ 79,90
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Multiple Input Multiple Output (MIMO) system has become the core part of recent communication systems such as 3GPP, LTE, LTE advanced, cognitive radio, 5G and all future wireless systems. This book provides brief background for MIMO systems, the concept of spatial multiplexing and its benefits to improve the performance of communication systems in terms of the ergodic capacity and Bit Error Rate (BER). The several aspects of feedback-based communication with multiple antenna systems are verified. A TAS-Orthogonal Space Time Block Coding (OSTBC) system is proposed with new concatenation of Bose, Chaudhuri, and Hocquenghem (BCH)-TURBO code. This book, further, presents a novel TAS system for LTE system using the recently developed meta-heuristic algorithm called Grey Wolf Optimization (GWO). It provides the analytical and simulation based presentation of antenna subset selection in MIMO Systems.

Book Details:

| | |
|------------------|--|
| ISBN-13: | 978-613-9-46325-1 |
| ISBN-10: | 6139463254 |
| EAN: | 9786139463251 |
| Book language: | English |
| By (author): | Nitin Deotale Vaibhav Hendre |
| Number of pages: | 172 |
| Published on: | 2022-04-28 |
| Category: | Electronics, electro-technology, communications technology |

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The screenshot shows a web browser displaying the IEEE Xplore digital library page for the article "Carrier Aggregation in 5g Using Millimeter Range Communication". The page includes the IEEE logo, navigation links, a search bar, and a list of authors: Devidas Chikhale, Shankar Deosarkar, and Mahesh Munde. The abstract is partially visible, starting with "Getting higher data rates always remains a challenging task...". The page also features a "More Like This" sidebar with related article titles and a "Feedback" button.



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The screenshot shows a web browser window with the following content:

- Browser Tabs:** Protected Biometric Identical..., An Overview of IoT in Financial..., Career Aggregation in 5g Usin..., Optimal transmit antenna sele..., Google
- Address Bar:** <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003277460-13/overview-iot-financial-sectors-sheeba>
- Security Notice:** Your online security is important to us, so we're taking steps to protect our visitors by ensuring that their browsers always connect to our website over HTTPS. All HTTP requests will no longer be processed/will be blocked. These changes will take place on 27th February 2023.
- Header:** Taylor & Francis Group an informa business. Search for keywords, authors, titles, ISBN. Login.
- Navigation:** About Us, Subjects, Browse, Products, Request a trial, Librarian Resources, What's New!
- Breadcrumb:** Home > Computer Science > Information & Communication Technology (ICT) > Internet & Multimedia > Real-Life Applications of the Internet of Things > An Overview of IoT in Financial Sectors
- Chapter Info:**
 - Chapter:** An Overview of IoT in Financial Sectors
 - By:** P. S. Sheeba
 - Book:** Real-Life Applications of the Internet of Things
 - Edition:** 1st Edition
 - First Published:** 2022
 - Imprint:** Apple Academic Press
 - Pages:** 22
- Access Options:**
 - GET ACCESS (for digital content)
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The screenshot shows a web browser window with the following content:

- Browser Tabs:** Protected Biometric Identical, An Overview of IoT in Health Sectors, An Overview of IoT in Health Sectors, Google, Google.
- Address Bar:** <https://onlinelibrary.wiley.com/doi/abs/10.1002/9781119792345.ch1>
- Header:** Working off-campus? Learn about our remote access options. Wiley Online Library. Search [input field] [magnifying glass icon]. Login / Register.
- Content:**
 - Chapter 1
 - An Overview of IoT in Health Sectors**
 - Author: [P.S. Sheeba](#)
 - Book Editor(s): Monika Mangla, Nonita Sharma, Poonam Mittal, Vaishali Mehta Wadhwa, K. Thirunavukkarasu, Shahnawaz Khan
 - First published: 30 July 2021 | <https://doi.org/10.1002/9781119792345.ch1>
 - Tools: PDF, TOOLS, SHARE
 - Summary:** In the recent past, several technological developments have happened owing to the growing demand for connected devices. Applications of Internet of Things (IoT) are vast, and it is used in several fields including home-automation, automated machines, agriculture, finance sectors, and smart cities. Life style diseases are increasing among urban population and lot of focus is given for
- Advertisement:** Emerging Technologies for Healthcare: Internet of Things and Deep Learning Models



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The screenshot shows the IEEE Xplore digital library interface. At the top, there are navigation links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. A search bar is present with a dropdown menu set to 'All' and a search button. The main content area displays the title of the paper: "An Acoustic and Statistic Study of Emotions Expressed in Marathi Speech". Below the title, it lists the publisher as IEEE and provides options to "Cite This" or download the "PDF". The authors are listed as Trupti K. Harhare and Milind Shah. There are social media sharing icons and a "Full Text Views" indicator showing 32 views. The abstract section is partially visible, starting with "In the Marathi language, this paper seeks to acoustically evaluate acting speech for anger, happiness, fear, and neutral emotions." On the right side, there is a "More Like This" section with recommendations such as "A critical survey on the use of Fuzzy Sets in Speech and Natural Language Processing" and "Advances in Chinese Natural Language Processing and Language resources". A "Feedback" button is located at the bottom right of the page.



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Springer
International Conference
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Artificial Intelligence and Sustainable Engineering (AISE-2020)
Hosted at
National Institute of Technology Goa
January 18th-20th, 2021
In Association With
SPIU
CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. **Sanjivani Deokar** of
Lokmanya Tilak College of Engineering has
attended the three days International Conference on **Artificial Intelligence and Sustainable Engineering**
(AISE-2020) held on January 18th-20th, 2021.

Prof. (Dr.) Shashank Awasthi
Organizing Secretary

Prof. (Dr.) Goutam Sanyal
General Chair

Prof. (Dr.) Gopal Mugeraya
Director, NIT Goa

Page 1 / 1

32°C Smoke 19:50 01-02-2023



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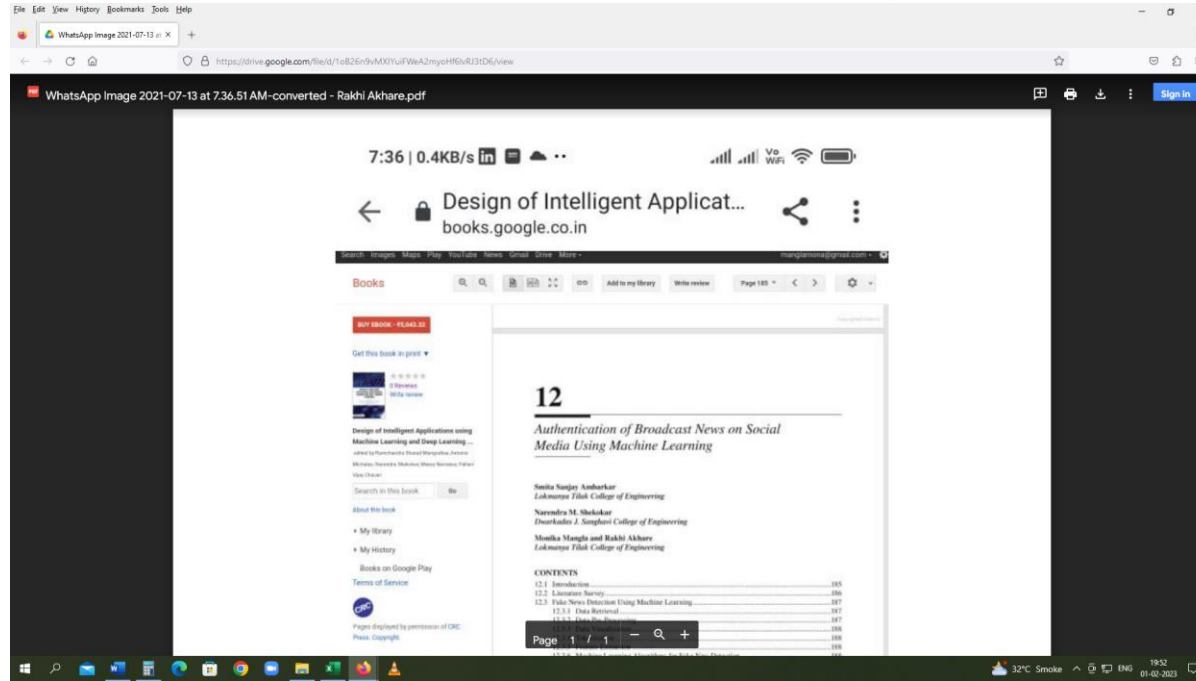
The screenshot shows a Google Scholar document viewer interface. The browser's address bar displays the URL: https://drive.google.com/file/d/14V5V40Cnq3pYXwA_d77HBu7FuV8Q/view. The document content includes:

- Page Number:** 12
- Chapter Title:** Authentication of Broadcast News on Social Media Using Machine Learning
- Authors:** Sneha Sanjay Ambekar (Lokmanya Tilak College of Engineering), Narendra M. Shukkar (Draupadi A. Sanghvi College of Engineering), and Sneha Mangal and Rakhi Akhore (Lokmanya Tilak College of Engineering).
- Table of Contents:**

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| 12.2 Literature Survey | 186 |
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- 12.1 Introduction:** News is considered to be a fake if it is factually incorrect, misrepresents the facts, or spreads through any unauthorised media. However, social media is a prominent tool to perform various social activities. Unfortunately, this tool is being equally used for some unethical purposes by some unethical elements. Regularly, celebrities' lives and public relations are covered in society. Also, political parties take advantage of social media to circulate fake facts about oppositions to gain the confidence of the general public. This fact was realised during the 2016 US presidential election. Fake news (false news) is primarily circulated through social media compared to any other medium of communication (TV, Radio, etc.) owing to cost and ease of communication. Despite the widespread usage of social media, fake news detection over social media is a challenging task as the detector model needs to identify the correlation between news categories, the news subject, and the credibility of the news to identify the impact of news on the society.



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The screenshot shows a web browser window with multiple tabs. The active tab is displaying an IEEE Xplore article. The article title is "Evaluating Precision and Context in Image Captions" by Chaitral Prasanna Chaudhari, Satish Devare, and All Authors. The article is published in the 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS). The abstract discusses image captioning, a process of generating a textual description for an image, and mentions the use of a Long Short Term Memory (LSTM) model and a deep learning classifier. The browser's address bar shows the URL: https://ieeexplore.ieee.org/document/9441774. The IEEE logo and "Publish Open Access" button are visible at the bottom of the article page. The Windows taskbar at the bottom shows the system tray with a temperature of 32°C, a smoker icon, and the date 01-02-2023.



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The screenshot shows a web browser window with multiple tabs. The active tab is displaying a Wiley Online Library article. The article title is "Employing Machine Learning Approaches for Predictive Data Analytics in Retail Industry" by Rakhi Akhare. The page includes a search bar, a "Login / Register" link, and a "Summary" section. The browser's taskbar at the bottom shows various open applications and the system tray with the date 01-02-2023 and time 19:56.



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The screenshot shows a web browser window with the following content:

- Wiley Online Library** header with a search bar and "Login / Register" link.
- Chapter 3** heading.
- Employing Machine Learning Approaches for Predictive Data Analytics in Retail Industry** as the main title.
- Authors: Rakhi Akhare, Sanjivani Deokar, Monika Mangla, Hardik Deshmukh.
- Book Editor(s): Sachi Nandan Mohanty, Jyotir Moy Chatterjee, Monika Mangla, Suneeta Satpathy, Sirisha Potluri.
- Publication info: First published: 13 July 2021 | <https://doi.org/10.1002/9781119785873.ch3>
- Book cover image for "Machine Learning Approach for Cloud Data Analytics in IoT".
- Related and Information links.

The browser's address bar shows a Google Drive link: <https://drive.google.com/file/d/1Xc5W5mVDSX2gQ3dU0bDGHM4nPLMQ5/view>. The Windows taskbar at the bottom shows the system tray with a temperature of 32°C, smoke icon, and time 19:56 on 01-02-2023.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows a Google Drive link. The page content includes:

- SpringerLink logo and search bar.
- Book cover for "Autonomic Computing in Cloud Resource Management in Industry 4.0" (pp 177-193).
- Chapter title: "A Proposed Framework for Autonomic Resource Management in Cloud Computing Environment".
- Authors: Monika Mangla, Sanjivani Deokar, Rakhi Akhare & Mehdi Gheisari.
- Chapter information: Chapter | First Online: 05 August 2021 | 162 Accesses.
- Series information: Part of the EA/Springer Innovations in Communication and Computing book series (EAIICC).
- Abstract section (partially visible).
- Chapter details sidebar: Price EUR 24.95, DOI: 10.1007/978-3-030-71756-8_10, Chapter length: 17 pages, Instant PDF download, Readable on all devices, Clean & forever, Exclusive offer for individuals only, Tax calculation will be finalised during checkout. A "Buy Chapter" button is present.

The Windows taskbar at the bottom shows the system tray with a temperature of 32°C, a "Smoke" notification, and the time 19:57 on 01-08-2023.



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The screenshot shows a web browser window with the following content:

- Browser Tabs:** Protected Biometric Identical..., Google, Book chapter - criterion 3.pdf, Book chapter - criterion 3.pdf.
- Address Bar:** <https://drive.google.com/file/d/1JAmRabkHYT1bVEGOARm7qaNnFCeEmX/view>
- Page Header:** Taylor & Francis Group, T&F eBooks, Search for keywords, authors, titles, ISBN, Advanced Search.
- Navigation:** About Us, Subjects, Browse, Products, Request a trial, Librarian Resources, What's New.
- Breadcrumbs:** Home > Engineering & Technology > Electrical & Electronic Engineering > Electrical Engineering Communications > Intelligent Systems > Real-Life Applications of > Framework for Video Summarization Using CNN-LSTM Approach in IoT Surveillance Networks.
- Chapter Title:** Framework for Video Summarization Using CNN-LSTM Approach in IoT Surveillance Networks.
- Author:** By Chaitralli Chaudhari, Satish Devane.
- Book Title:** Real-Life Applications of the Internet of Things.
- Publication Info:** Edition: 1st Edition, First Published: 2022, Imprint: Apple Academic Press.
- Access:** A "GET ACCESS" button is visible, along with a message: "You do not have access to this content. Please click 'Get Access' button if your institution have access to this content." Below it, a "GO TO ROUTLEDGE.COM" button is present.
- Footer:** Page 1 / 1, 32°C, Smoke, 19:55, 01-02-2023.



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The screenshot shows a Google Drive document titled "COMP_STD_Paper conference...". The document is a certificate for the "International Conference on Artificial Intelligence and Sustainable Engineering (AISE-2020)". The certificate is hosted at the National Institute of Technology Goa, from January 18th to 20th, 2021. It is in association with SPIU. The certificate is for Prof. Dr./Mr./Ms. Sanjivani Deokar, who attended the conference. The certificate is signed by Prof. (Dr.) Shashank Awasthi, Prof. (Dr.) Goutam Sanyal, and Prof. (Dr.) Gopal Mugeraya. The certificate is displayed in a browser window with a Windows taskbar at the bottom.

Springer
International Conference
on
Artificial Intelligence and Sustainable Engineering (AISE-2020)
Hosted at
National Institute of Technology Goa
January 18th-20th, 2021
In Association With
SPIU
CERTIFICATE

This is to certify that Prof./Dr./Mr./Ms. **Sanjivani Deokar** of
Lokmanya Tilak College of Engineering has
attended the three days International Conference on **Artificial Intelligence and Sustainable Engineering**
(AISE-2020) held on January 18th-20th, 2021.

Shashank Awasthi
Prof. (Dr.) Shashank Awasthi
Organizing Secretary

Goutam Sanyal
Prof. (Dr.) Goutam Sanyal
General Chair

Gopal Mugeraya
Prof. (Dr.) Gopal Mugeraya
Director, NIT Goa

Page 1 / 1

32°C Smoke ENG 2003 01-02-2023



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-16-8546-0_3. The page features a SpringerLink logo, a search bar, and a 'Log in' button. The main content area displays the title 'A Proposed Framework to Achieve CIA in IoT Networks' and lists authors: Monika Mangla, Smita Ambarkar, Rakhi Akhare, Sanjivani Deokar, Sachin Nandan Mohanty, and Suneeta Satpathy. It identifies the paper as a conference paper from the 'International Conference on Artificial Intelligence and Sustainable Engineering' (pp 19-30) and notes its first online availability on 08 April 2022. The page has 168 accesses and is part of the 'Lecture Notes in Electrical Engineering' book series (LNEE, volume 837). An abstract section begins with 'Internet of things (IoT) is a ubiquitous technology that has witnessed'. On the right, a sidebar provides purchase options: 'Buy Chapter' for EUR 29.95 (including VAT in India) and 'eBook' for EUR 181.89. A list of features for the chapter is also visible, including DOI, page length, instant PDF download, and device compatibility.



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The screenshot shows a web browser window with the URL <https://www.futurecities.mes.ac.in/program/proceedings/>. The page header includes the conference title "Conference on Technologies for Future Cities (CTFC 2022)" held on 8th November 2022 at Pillai College of Engineering, New Panvel - 410206. It also lists accreditation logos for PCE, A+ NAAC, and IEEE Bombay Section. The main content area is titled "Proceedings" and shows a PDF viewer displaying a document titled "Promising Friction and Wear-reducing Additive in Lubrication- Recent Progress & Perspective". The authors are Ujjwala J. Pawaskar and Divya Padmakshin, both from the Mechanical Engineering Department at Pillai College of Engineering, New Panvel, India. The document text discusses the synthesis of aluminum oxide nanoparticles and their application as wear-reducing additives in lubrication, highlighting their benefits in reducing friction and wear.

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Shri. Satish Chaturvedi
Chairman

Dr. Vivek Sunnapwar
Principal



AY 2020-21

The screenshot shows a web browser window displaying the Taylor & Francis Group website. The page is for a chapter titled "Design Strategy of Wearable Textile Antenna" by P. Potey and K. Tuckley, from the book "Planar Antennas". The page includes a book cover image, a "Chapter" label, and a "Book" link. A "GET ACCESS" button is visible, along with a message stating that the user does not have access to the content. The page also features a "GO TO ROUTLEDGE.COM" button. The browser's address bar shows the URL: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003187325-15/design-strategy-wearable-textile-antenna-potey-tuckley/context=ubx&refId=183c8832-6999-43be-994d-8a2e5813d666. The browser's taskbar at the bottom shows the date and time as 20/10/2023, 01:42:30.

Chapter
Design Strategy of Wearable Textile Antenna
By P. Potey, K. Tuckley

Book [Planar Antennas](#)

Edition 1st Edition
First Published 2021
Imprint CRC Press
Pages 17
eBook ISBN 9781003187325

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The screenshot shows a web browser window with the URL <https://www.2pressrelease.net/assessment-of-sign-using-facial-expression-and-hand-gesture-recognition/#page-content>. The page features the 2PressRelease logo and navigation links: HOME, NEWS RELEASE, PRICING, ABOUT US, CONTACT US, LOGIN. The main article title is "Assessment of Sign Using Facial Expression and Hand-gesture Recognition". The author is identified as Dr. Rajeshree Rokade, from the Department of Electronics and Telecommunication at Lokmanya Tilak College of Engineering, Koperkhairne, Navi Mumbai, 400709, India. The article text discusses recent work on facial expression and hand gesture recognitions, noting that facial expressions and hand gestures are used to express emotions without oral communication. It mentions research on human-machine interactions (HMIs) and the expectation that systems based on such HMI algorithms should respond similarly. The text also states that extant systems are designed to express these emotions through HMIs without oral communication, and that other systems have added various combinations of hand gestures and facial expressions as videos or images. The systems were trained and tested, and certain extant systems have separately defined the meanings of such hand gestures and facial expressions.



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express emotions orally, he or she automatically uses complementary facial expressions and hand gestures. Extant systems are designed to express these emotions through HMIs without oral communication. Other systems have added various combinations of hand gestures and facial expressions as videos or images. Accordingly, the systems were trained and tested. Further, certain extant systems have separately defined the meanings of such hand gestures and facial expressions.

Author (s) Details

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View Book :- <http://bp.bookpi.org/index.php/bpi/catalog/book/261>

30°C Smokey 29/02/2022 01:42:00Z



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-3-030-46197-3_11. The page features a red header with the SpringerLink logo and a search bar. Below the header, there is a book cover for 'Fog Computing for Healthcare 4.0 Environments' with the page range 'pp 269–290'. The main title of the chapter is 'A Secure Fog Computing Architecture for Continuous Health Monitoring', authored by Sanjivani Deokar, Monika Mangla & Rakhi Akhare. The page indicates it is a chapter from the 'Signals and Communication Technology' book series (SCT). The abstract begins with 'Automation of health monitoring has witnessed an unmatched transformation during the past decade owing to advancement in the IoT. In automated health monitoring system, patient is efficiently and...'. On the right side, there is a pricing section for the chapter, listing 'Chapter' at EUR 29.95 and 'eBook' at EUR 117.69. A 'Buy Chapter' button is visible. The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a smoke alarm icon, and the date 2025-01-02-003.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-15-6044-6_7. The page features a dark blue header with the SpringerLink logo, a search bar, and a 'Log in' link. Below the header, there is a book cover for 'Fog Data Analytics for IoT Applications' and the chapter title: 'Proposed Framework for Fog Computing to Improve Quality-of-Service in IoT Applications'. The authors listed are Rakhi Akhare, Monika Mangla, Sanjivani Deokar, and Vaishali Wadhwa. The chapter is noted as being first online on 26 August 2020, with 358 accesses and 8 citations. It is part of the 'Studies in Big Data' book series (SBD, volume 76). An abstract begins with 'In this era of IoT, edge devices generate gigantic data every second.' On the right side, there is a 'Buy Chapter' section with a price of EUR 29.95, including VAT for India. The list of features includes: DOI: 10.1007/978-981-15-6044-6_7, Chapter length: 21 pages, Instant PDF download, Readable on all devices, Own it forever, and Exclusive offer for individuals only. A note states that tax calculation will be finalized during checkout. A 'Buy Chapter' button is located at the bottom of this section. The browser's taskbar at the bottom shows the Windows logo, search icon, and various application icons, along with system information: 30°C, Smoke, and the date/time 20/07/2023 01:42:00.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-3-030-48849-9_13. The page features a search bar, a shopping cart icon, and a 'Log in' link. The main content area includes a book cover for 'Emotion and Information Processing' (pp 199-211) and the chapter title 'Employing Machine Learning for Multi-perspective Emotional Health Analysis' by Monika Mangla, Rakhi Akhare, Sanjivani Deokar & Vaishali Mehta. The chapter is noted as 'First Online: 22 October 2020' and has '398 Accesses'. An abstract is provided: 'Human emotion is undoubtedly the most fundamental aspect of human relationships and thus guides human to distinguish among right and wrong human behavior. Also, emotional equilibrium governs'. A sidebar on the right offers an 'Access via your institution' button and a 'Buy Chapter' button for EUR 29.95. The sidebar also lists chapter details: DOI: 10.1007/978-3-030-48849-9_13, Chapter length: 13 pages, Instant PDF download, Readable on all devices, Own it forever, Exclusive offer for individuals only, and Tax calculation will be finalised during checkout. The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a smoker icon, and the date 01-02-2023.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-16-8546-0_3. The page header includes the SpringerLink logo, a search bar, and a 'Log in' link. Below the header, there is a red banner for the 'International Conference on Artificial Intelligence and Sustainable Engineering' with page numbers 19-30 and a 'Cite as' link. The main title of the chapter is 'A Proposed Framework to Achieve CIA in IoT Networks'. The authors listed are Monika Mangla, Smita Ambarkar, Rakhi Akhare, Sanjivani Deokar, Sachi Nandan Mohanty, and Suneeta Satpathy. The page is identified as a conference paper first online on 08 April 2022, with 168 accesses. It is part of the 'Lecture Notes in Electrical Engineering' book series (LNEE, volume 837). The abstract begins with 'Internet of things (IoT) is a ubiquitous technology that has witnessed its application in numerous applications ranging from agriculture, transportation to healthcare, etc. IoT platform aims toward connecting numerous sensors and actuators (sometimes referred to as edge devices) via the Internet. Here, it is worth mentioning that IoT standard'. On the right side, there is a pricing section for purchasing the chapter, listing options for a chapter (EUR 29.95), an eBook (EUR 181.89), and a hardcover book (EUR 219.99). A 'Buy Chapter' button is visible. At the bottom of the page, there are links for 'Sections', 'Figures', and 'References'. The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a 'Smoker' notification, and the date and time as 20:40 on 01-02-2023.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-15-3242-9_20. The page features a SpringerLink logo, a search bar, and a 'Log in' link. The main content area displays the chapter title: **Improving Security of IoT Networks Using Machine Learning-Based Intrusion Detection System**. Below the title, the authors [Smita Sanjay Ambarkar](#) and [Narendra M. Shekhar](#) are listed. The page indicates it is a conference paper, first online on 07 May 2020, with 709 accesses and 2 citations. It is part of the 'Algorithms for Intelligent Systems' book series (AIS). An abstract begins with: 'With the improvement of IPv6 and its support for low-power lossy networks, the new ubiquitous technology has loomed known as the'. On the right side, there is a 'Buy Chapter' section with a price of EUR 29.95 (including VAT in India). A list of features includes: DOI: 10.1007/978-981-15-3242-9_20, Chapter length: 12 pages, Instant PDF download, Readable on all devices, Own it forever, Exclusive offer for individuals only, and Tax calculation will be finalised during checkout. A 'Buy Chapter' button is visible below the list. At the bottom of the page, there are options for 'eBook' (EUR 139.09) and 'Softcover Book' (EUR 160.00). The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a smoke alarm icon, and the date/time: 20/03/2023, 01:42:00.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-3-030-39047-1_5. The page header includes the SpringerLink logo, a search bar, and a 'Log in' link. The main content area features a book cover for 'Internet of Things, Smart Computing and Technology: A Roadmap Ahead' (pp 97-118) and the chapter title 'Ensemble Classifier for Praise or Complaint Classification and Visualization from Big Data' by Sujata Khedkar & Subhash Shinde. The chapter is identified as 'Chapter | First Online: 15 February 2020' and is part of the 'Studies in Systems, Decision and Control' book series (SSDC, volume 266). The abstract begins with: 'With the advent in Big Data Analytics, IoT and Machine Learning newer opportunities are created for Business organizations to analyze, monitor and mine user-generated contents in real time for business intelligence using cognitive IoT. Customers share their opinions online...'. On the right side, there is a pricing section for the chapter, listing options for 'Chapter' (EUR 29.95), 'eBook' (EUR 117.69), 'Softcover Book' (EUR 149.99), and 'Hardcover Book' (EUR 149.99). A 'Buy Chapter' button is also visible. The Windows taskbar at the bottom shows the system tray with a temperature of 30°C, a smoke alarm icon, and the date/time 01-02-2023.



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Chapter

Ethics in AI in Machine Learning

By *Shilpa Kapse*

Book [Handbook of Research on Machine Learning](#)

Edition 1st Edition
First Published 2022
Imprint Apple Academic Press
Pages 22

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Shruti INCET2021Paper0581_published paper.pdf

2021 2nd International Conference for Emerging Technology (INCET)
Bilqum, India, May 21-25, 2021

An Optimal Enhancement of Transmission Line Performance under Various Load Conditions

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Abstract— Reactive power consumed by the transmission line parameters affects performance of power system such as transmittable power, voltage profile of transmission lines. Conventionally, series capacitors and inductors are being used as reactive power compensators since long which enhance transmittable power as well as voltage under various load conditions. Static Synchronous Series Compensator is an advanced series VSI based compensator, capable of providing both capacitive and inductive compensation which improves the performance of the transmission line. It is proved that an optimal control algorithm which is proposed for heavy load conditions are applicable to even light load conditions. The algorithm also helps in minimizing transmission loss while enhancing the performance of the line. As overvoltage during light load conditions is a major issue at high voltage systems, the proposed method is more useful in the case of high voltage transmission systems. A sequential quadratic programming algorithm is used for finding optimal solution using MATLAB software platform and results are presented in this paper.

Index Terms—Optimization, Static Synchronous Series Compensator, Surge impedance loading, Voltage source inverter

1 INTRODUCTION

In view of continuous increase in load demand, it is now felt that there is a need to increase the transmission voltage up to 1200 kV so that bulk power can be transferred from generation point to load station. As voltage level increases, the series inductance and shunt capacitance of transmission line per unit distance increases and badly affects transmittable power and voltage at various parts of power system. Reactive power consumed by the transmission line parameters is a major factor which decides transmitted power and voltage profile of the system. The various transmission line parameters are shown in the equivalent circuit of long transmission line shown in Fig. 1. It is well known that at surge impedance loading (NIL) condition, flat voltage profile is obtained, as reactive power balance is achieved [1] between series inductance and shunt capacitance of the line. At light load operating conditions, reactive power consumed by the transmission line is higher compared to the reactive power generated by the shunt inductance of the line and hence, the voltage profile increases from receiving end to sending end. As per the norms prescribed by CEA (Central Electric Authority), voltage variation limit is $\pm 5\%$ on all the points along the transmission line. So, to maintain flat voltage profile or voltage variations in permissible limit for any load conditions, characteristics of transmission line need to be modified using compensator. This modification also helps in controlling voltage as well as transmittable power.

Conventionally, reactors are widely used in long transmission lines to vary the overall impedance of the transmission line for light load to heavy load conditions, either in series or in shunt. Series compensators can directly modify the transmission line impedance, so it is more effective in controlling power, which controls the voltage variations as well [2]. With the advancement in high power semi conductor devices, flexible ac transmission systems (FACTS) initiatives are launched in late 1980s. Among all semiconductor based series compensators like thyristor-switched and thyristor-controlled series compensator (TSSC and TCSC), Static Synchronous Series Compensator (SSSC) is the most advantageous FACTS device. SSSC is a voltage source inverter (VSI) based series compensator, which can exchange reactive power with transmission line with uniform range of capacitive and inductive compensation [2, 3]. Single line diagram of two machine system with SSSC at mid-point of the transmission line is shown in Fig. 2.

Page 1 of 5

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Principal



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The screenshot displays the Flipkart product page for the book "Technical Approach for Gesture Recognition" by Dr. Rajeshree Rokade-Shinde. The page features a blue header with the Flipkart logo and navigation options. The main content area shows the book cover on the left and product details on the right. The price is listed as ₹105, a 38% discount from ₹170. Below the price, there are several promotional offers, including a 5% cashback on Flipkart Axis Bank Card and a ₹500 off on two-wheelers. The delivery information indicates that the book will be delivered by Monday, February 6th, for ₹59. The author's name, Dr. Rajeshree Rokade-Shinde, is prominently displayed. The page also includes an "ADD TO CART" button and a "BUY NOW" button. The bottom of the page shows the Windows taskbar with various application icons and system information like temperature and time.



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The screenshot shows a web browser displaying an IEEE Xplore article. The browser's address bar shows the URL: <https://ieeexplore.ieee.org/document/6946013>. The page header includes the IEEE logo and navigation links like 'SUBSCRIBE', 'Cart', 'Create Account', and 'Personal Sign In'. The article title is 'Investigating Single Channel Source Separation Using Non-Negative Matrix Factorization and Its Variants for Overlapping Speech Signal'. The publisher is listed as IEEE, and there are buttons for 'Cite This' and 'PDF'. The authors are Nandini C Nag and Milind S Shah. The abstract begins with 'A pre-processor to speech recognition, audio source separation may mitigate the problem of quality degradation of individual signal recognition in scenarios like cock-'. On the right side, there is a 'More Like This' section with related article titles and a 'Feedback' button at the bottom right. The Windows taskbar is visible at the bottom of the browser window.



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The screenshot shows a web browser window displaying the IEEE Xplore digital library. The page features a dark blue header with navigation links like 'IEEE.org', 'IEEE Xplore', and 'Institutional Sign In'. A search bar is visible with the word 'All' selected. The main content area displays a search result for a conference paper. The title is 'Investigating Single Channel Source Separation Using Non-Negative Matrix Factorization and Its Variants for Overlapping Speech Signal'. Below the title, it lists the publisher as IEEE, provides a 'Cite This' button, and a PDF icon. The authors are identified as Nandini C Nag and Milind S Shah. A 'Full Text Views' counter shows 126 views. An abstract section is partially visible, starting with 'A pre-processor to speech recognition, audio source separation may mitigate the problem of quality degradation of individual signal recognition in scenarios like cock-'. On the right side, there is a 'More Like This' section with several related paper titles. At the bottom of the browser window, the Windows taskbar is visible, showing the system clock as 20:58 on 01-02-2023.

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Publisher: IEEE Cite This PDF

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Abstract Abstract: A pre-processor to speech recognition, audio source separation may mitigate the problem of quality degradation of individual signal recognition in scenarios like cock-

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- Published: 2013
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The screenshot shows a web browser displaying the IEEE Xplore digital library page for the article "Implementation of Alcohol and Collision Sensors in a Smart Helmet". The page includes the IEEE logo, navigation links, a search bar, and a sidebar with "More Like This" recommendations. The abstract of the paper is visible, starting with "The introduction of Electronic Stability Control and other features have made cars much ahead and safer than before. The concept of Smart Helmet aims to provide the same for Bikes. With features like built-in Black Box, GPS logging which will keep track of the rider's location and can be accessed in case of emergency. A collision".

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Implementation of Alcohol and Collision Sensors in a Smart Helmet

Publisher: IEEE [Cite This](#) [PDF](#)

Shikha Gupta ; Kashish Sharma ; Nihar Salvekar ; Akshay Gajra **All Authors**

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Abstract

Abstract:
The introduction of Electronic Stability Control and other features have made cars much ahead and safer than before. The concept of Smart Helmet aims to provide the same for Bikes. With features like built-in Black Box, GPS logging which will keep track of the rider's location and can be accessed in case of emergency. A collision

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Context-Aware Automation Based Energy Conservation Techniques for IoT Ecosystem

[Monika Mangla](#) [Rakhi Akhare](#) & [Smita Ambarkar](#)

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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-15-5955-6_100. The page features a SpringerLink logo, a search bar, and a 'Log in' button. The main content area displays the title of the chapter: 'Design, Analysis and Hardware Implementation of Modified Bipolar Solid-State Marx Generator'. Below the title, the authors 'Neelam S. Pinjari & S. Bindu' are listed. The page also indicates it is a 'Conference paper' and provides the DOI: 10.1007/978-981-15-5955-6_100. A sidebar on the right offers purchase options, including a 'Buy Chapter' button for EUR 29.95 and an 'eBook' option for EUR 234.33. The abstract section is partially visible, starting with 'Bipolar Marx generator generates high voltage, repetitive pulse with both positive and negative half, which is being used for application like'.



Design Methodology for Direct Generation of AC Electricity from PV Cell

Publisher: **IEEE**

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Vigneshnandakumar Naidu ; Mayuri Shinde ; Mangesh Singh ; Samiksha Solase ; R.D. Kulka ; Shruti Nema

53

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Abstract

Abstract:

Document
Sections

I. Introduction

India is the highly-populated country in the world. With ongoing growing population, the needs of people and their usage is also growing. In such cases there will be rise in rate of demand for electricity. Hence it is necessary to switch on to renewable energy resources as fossil fuels are limited. Solar energy can be one of the effective

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The screenshot displays the Open Access Pub website interface. The browser address bar shows the URL: https://openaccesspub.org/journal/jc_show/1400/1. The website header includes navigation links: HOME, ABOUT, POLICIES, JOURNALS, and a search bar with 'ARTICLE' selected. A 'REGISTER' button is also present. Below the header, a navigation menu lists: Home, About, Editorial Board, Aims & Scope, Current Issues, Previous Issues, Special Issues, Archive, Indexing, For Authors, For Editors, and For Reviewers. The main content area features the journal title 'Journal of 3D Printing and Applications', the current issue information 'Current Issue Volume No: 1 Issue No: 1', and the ISSN '2831-8846'. There are social media share buttons and a 'share this page' link. Below this, there are four tags: 'Research Article', 'Open Access', 'Available online freely', and 'Peer Reviewed'. The breadcrumb trail reads 'Journal / J3DPA / Archives / Article'. The article title is 'Review on 3D Printed Bone Scaffold and Biocompatible Material'. The authors listed are Nimisha Shirbhate and Sanjay Bokade. Their affiliations are: ¹Department of Mechanical Engineering, LT College of Engineering, Koparkhairne, Navi Mumbai, India; and ²Department of Mechanical Engineering, RGIT, Varsova, Mumbai, India. On the right side, there is a search bar and a 'Download' section with options for PDF and XML. The Windows taskbar at the bottom shows the system tray with a temperature of 29°C, a smoke icon, and the date 01-02-2023.



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Chapter

Uncertainty of Measurement—An Overview

July 2019

DOI:10.1007/978-981-13-6148-7_75

In book: Smart Technologies for Energy, Environment and Sustainable Development (pp.785-794)

Authors:



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Lokmanya Tilak College of En...



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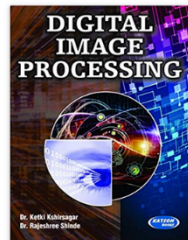
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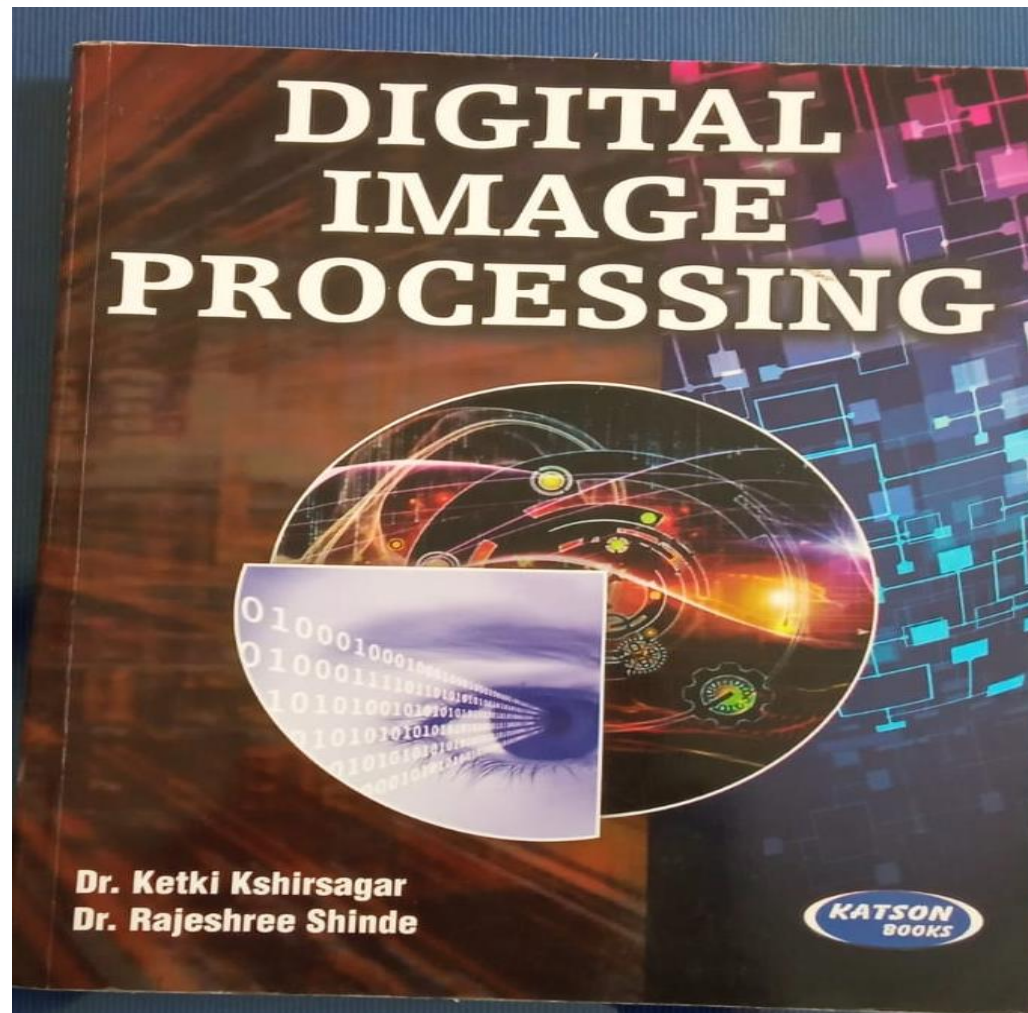
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Shri. Satish Chaturvedi
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DIGITAL IMAGE PROCESSING

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View article

Dr. Pranita Potey

Design of wearable textile antenna with various substrate and investigation on fabric selection [PDF] from researchgate.net

Authors: Pranita Manish Potey, Kushal Tuckley

Publication date: 2018/2/9

Conference: 2018 3rd international conference on microwave and photonics (ICMAP)

Pages: 1-2

Publisher: IEEE

Description: In field of wearable technology one challenging improvement is wearable textile antenna. Primary requirement for wearable textile antennas are flexible construction materials which includes fabric with planar structure. Properties of the textile antenna such as bandwidth, efficiency, input impedance etc. depend upon type of substrate materials used. These properties are mostly determined by the substrate dielectric constant. Fabric material dielectric constant accurate value is to be calculated from resonant frequency of patch antenna. In this paper, rectangular microstrip patch antenna with different materials like cotton, polyester, lycra, cordura with different dielectric properties is design mathematically and simulated using IE3D software. Its influences on antenna parameters are investigated for designing of textile antenna with good efficiency.

Total citations: Cited by 34

Scholar articles: Design of wearable textile antenna with various substrate and investigation on fabric selection
PM Potey, K Tuckley - 2018 3rd international conference on



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The screenshot shows a PDF viewer window with the following content:

Correlative Approach to Calculate Attainment Level of Course Outcomes (COs) for TIER II Institute

R.N. Duche¹, G. Sahoo², M. Farhan³ and S. Datta⁴
Department of Electronics and Telecommunication Engineering, LTCE, University of Mumbai
E-mail: ¹ravindrduche@gmail.com; ²gits.sahoo@gmail.com; ³far786686@gmail.com; ⁴susmita.iaar@gmail.com

ABSTRACT

Private engineering colleges affiliated to University under TIER-II scheme of NBA, faces problem in calculating CO attainment based on end theory examination marks. This is because results declared by University does not have student's marks as per COs due to huge data or such system does not exist. To overcome COs attainment calculation problem of End theory examination we have devised a new method using fuzzy correlative concept as their exist correlation among COs. In this method initially university results are compared to set threshold to derive attainment level. Then question paper marks assigned to each CO are measured and correlative attainment levels are calculated. This method is also applied to other CO attainment assessment tools like Test, Term work and Practical marks. Finally we have compared our method with conventional method by using Test marks assessment to prove the appropriateness. The CO attainment level obtained by this approach is almost matching.

Keywords: Course Outcomes, Attainment Calculation, Correlative, End Theory Examination

INTRODUCTION

To ensure the Quality in Engineering Institute in India, accreditation by National Board of Accreditation (NBA) is must [1]. Criterion 3 on Course Outcomes and Program Outcomes measurement mentioned in self-assessment report (SAR) of June 2015 is most critical to attain by Institutions [2]. The important assessment tool in CO attainment calculation is End semester Theory examination marks of students [4]. University results can't be declared with marks of each questions because of huge data. Also such systems are not yet incorporated. Under such circumstances COs attainment calculation for Theory examination is impossible[3].



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The screenshot shows a web browser displaying a Semanticscholar.org page. The browser's address bar shows the URL: <https://www.semanticscholar.org/paper/A-Proposed-Wireless-Solar-Piezo-Hybrid-Charging-Kosamkar-Raj/5938286370874b96f078b559a4016048c15d7>. The page header includes the Semanticscholar logo and a search bar with the text "Search 21,00,40,924 papers from all fields of science".

The main content area features the paper title: **A Proposed Wireless Solar Piezo Hybrid Charging System**. Below the title, it lists the authors: **Rohit Kosamkar, Vinaya J.Raj**, and notes "+2 authors P. Sheeba". The publication information is "Published 7 August 2018" and "Engineering, Computer Science". The conference is identified as "International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI) 2018".

The abstract text reads: "The aim of this work is to design and construct Wireless Solar Piezo Hybrid Charging System which will prove to be highly beneficial for different parts of our lifestyle to harness energy which can be used anywhere according to its need and application. This device will generate energy using piezoelectric sensors and solar panels and store it in a battery and the stored energy can be used accordingly for various applications. The system can be monitored wirelessly using Zigbee Technology. This..."

Below the abstract, there are several interactive buttons: "View via Publisher", "Save to Library", "Create Alert", and "Cite".

On the right side of the page, there is a "Share This Paper" section with social media icons and a "1 Citations" box with a "View All" button. Below this, there are tabs for "1 Citations", "12 References", and "Related Papers".

At the bottom of the page, there is a blue banner with the text: "By clicking accept or continuing to use the site, you agree to the terms outlined in our [Privacy Policy](#), [Terms of Service](#), and [Dataset License](#)". A button labeled "ACCEPT & CONTINUE" is positioned to the right of this text.

The browser's taskbar at the bottom shows the system tray with a search bar, taskbar icons, and system information: "29°C Smokey", "21:53", and "01-02-2023".



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Computing, Communication and Signal Processing pp 987-999 | [Cite as](#)

Captioning the Images: A Deep Analysis

[Chaitrali P. Chaudhari](#) & [Satish Devane](#)

Conference paper | [First Online: 13 September 2018](#)

1201 Accesses | **1** Citations

Part of the [Advances in Intelligent Systems and Computing](#) book series (AISC, volume 810)

Abstract

Image captioning is one of the fundamental tasks in machine learning since the ability to generate text captions of an image can have a great impact by assisting us in day-to-day life. However, it is not just an object classification or recognition task, because the model must know the dependencies among the recognized objects and their attributes and encode that knowledge correctly in the caption using a natural language like English. Recently, the internet

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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-13-1513-8_15. The page features a SpringerLink logo, a search bar, and a 'Log in' link. The main content area displays the chapter title 'Indexing in Big Data' by Madhu M. Nashipudimath & Subhash K. Shinde. It includes a 'Conference paper' label, a 'First Online: 13 September 2018' date, and '1414 Accesses | 1 Citations'. The abstract begins with 'Nowadays communication is through social media for almost all activities like business, knowledge, personal updates, etc. This leads to'. A sidebar on the right provides purchase details for the chapter, including a price of EUR 29.95 and a 'Buy Chapter' button. The Windows taskbar at the bottom shows the system tray with a temperature of 29°C, a smoke alarm icon, and the date 01-02-2023.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-3-030-30465-2_52. The page features a SpringerLink logo, a search bar, and a 'Log in' link. The main content area displays the title 'Linguistic Feature-Based Praise or Complaint Classification from Customer Reviews' by Sujata Khedkar & Subhash Shinde. It indicates the chapter is from the 'Advances in Intelligent Systems and Computing' series (AISCC, volume 1039) and was published in the 'International Conference on Intelligent Computing, Information and Control Systems' (ICICCS 2019) on October 19, 2019. The page has 915 accesses and 1 citation. A sidebar on the right provides pricing information: 'Chapter' for EUR 29.95 and 'eBook' for EUR 234.33. A 'Buy Chapter' button is visible. The Windows taskbar at the bottom shows the system tray with a temperature of 29°C, a smoke alarm icon, and the date/time 22:19 on 01-02-2023.



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The screenshot shows a web browser window displaying a SpringerLink page. The browser's address bar shows the URL: https://link.springer.com/chapter/10.1007/978-981-15-1286-5_26. The page header includes the SpringerLink logo, a search bar, and a 'Log in' link. The main content area features a yellow banner for the 'International Conference on Innovative Computing and Communications' (pp 305-313). Below this, the chapter title is prominently displayed: 'Improved Feature Matching Approach for Detecting Copy-Move Forgery and Localization of Digital Images'. The authors, Vanita Mane and Subhash Shinde, are listed. The page indicates it is a conference paper first online on 29 February 2020, with 525 accesses. It is part of the 'Advances in Intelligent Systems and Computing' book series (AISC, volume 1087). An abstract section is visible, starting with 'Nowadays, with the availability of many open-source tools which help'. On the right side, there is a pricing and purchase information box. It shows the chapter price as EUR 29.95 (including VAT in India) and the eBook price as EUR 181.89. A 'Buy Chapter' button is present. A list of features includes: DOI: 10.1007/978-981-15-1286-5_26, chapter length of 9 pages, instant PDF download, readability on all devices, and ownership forever. A note mentions that tax calculation will be finalized during checkout. At the bottom of the page, a Windows taskbar is visible, showing the system tray with a temperature of 29°C, a smoke alarm icon, and the date and time: 22-19 01-02-2023.



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The screenshot shows a web browser displaying an IEEE Xplore article. The browser tabs include 'Springer Dr S K Shinde An Coll...', 'ICNTE-19 - Google Search', 'Design and Simulation of Three...', and 'DOI: 10.1109/ICNTE4086.2019...'. The URL in the address bar is 'http://ieeexplore.ieee.org/document/8345883/similar#similar'. The page header includes 'IEEE.org', 'IEEE Xplore', 'IEEE SA', 'IEEE Spectrum', 'More Sites', 'SUBSCRIBE', 'Cart', 'Create Account', and 'Personal Sign In'. Below the header is a search bar with 'All' selected and an 'ADVANCED SEARCH' button. The article title is 'Design and Simulation of Three Phase Six Pulse Thyristor Controlled Rectifier'. The publisher is 'IEEE'. There are buttons for 'Cite This' and 'PDF'. The authors listed are 'Raunak Kulkarni ; Suyash Gangurde ; Yash Pant ; R.D. Kulkarni ; Madhwi Kumari'. The article has 1 citation and 397 full-text views. The abstract states: 'Conventional electrical power can be converted from AC into DC by using various rectifier circuit configurations with multi pulse arrangement to minimize the ripple content in the output. The rectifiers have several applications in industry like electroplating, heating, magnet power supply, traction, battery charging, etc. with'. A 'More Like This' sidebar on the right lists related articles such as 'Parametric Dynamic Phasor Modeling of Thyristor-Controlled Rectifier Systems Including Harmonics for Various Operating Modes' and 'Parametric Average-Value Modeling of Thyristor-Controlled Rectifiers With Internal'. The Windows taskbar at the bottom shows the date as 22-23 01-02-2023 and the temperature as 29°C.

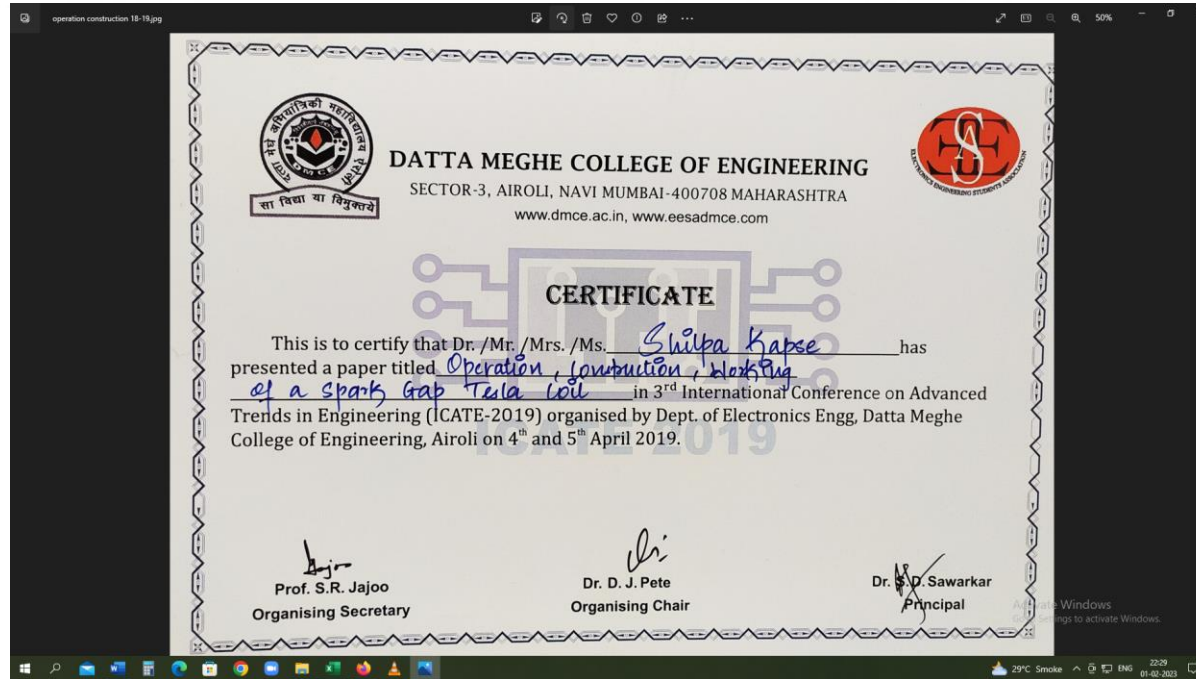


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2019 International Conference on Nascent Technologies in Engineering (ICNTE-2019)

Design Considerations of Permanent Magnet High Speed Alternator for Solar Thermal Power Plant

| | | |
|--|--|---|
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| <p>Shubham Prajapati Student of Electrical Engineering Lokmanya Tilak College of Engg. Navi Mumbai, India sp19371@gmail.com</p> | <p>R. D. Kulkarni Member, IEEE and Scientific Officer 'T' Bhabha Atomic Research Center Department of Atomic Energy, Govt. of India Mumbai, India rdk@barc.gov.in</p> | <p>Shiba Kapre Professor of Electrical Department Lokmanya Tilak College of Engg.5 Navi Mumbai, India shibapshrawane@gmail.com</p> |

Abstract—Recently, the focus of designing a conventional alternator has been shifted to designing permanent magnet alternator. Due to the use of permanent magnet in rotor we achieve merits like reduction in size, high power density, thermal stability, low cost. While designing such type of alternator various issues arise due to facts, therefore there are certain design considerations which should be taken into account. The design considerations for permanent magnet high speed alternator has been worked out in the paper. Several factors viz. stator and rotor winding, pole size, bearing type, permanent magnets, etc. governing the performance of the machine to obtain the maximum efficiency has been described in detail and calculations have been performed using empirical relationship. The design of permanent magnet alternator is presented in this paper.

Keywords—permanent magnet machine, alternators, design of rotating machine, bearing, high speed machine, solar thermal

I. INTRODUCTION

Energy generation is mainly done by fossil fuels and is also used in a way that society will not be able to sustain for long, as fossil fuels are limited. There is an ever increasing effort in commercializing the alternative sources, which are practically never ending and are also difficult to find. Among the major ones are solar power, wind energy, bio-fuels, geothermal and nuclear. Among these, most available is the solar power. Research in solar power had been happening for long and among all solar photovoltaic and concentrating solar power are among the widely used technologies for commercial electricity generation [1]. Solar

Popularity of use of Permanent Magnet (PM) alternator over conventional alternator has increased. Due to development and research in PM, it has become key component in many devices. High speed PM alternators have gained popularity in several sectors such as in solar thermal power plants, aerospace applications and many more [5-6].

Permanent Magnet High Speed (PMHS) alternators preferred due to their advantages e.g. higher power density, high efficiency, smaller in size including space needed is less. The parts of power transmission system e.g. belt pulley and gear boxes are to be avoided to achieve the reduction of the dimensions of the electrical machines. Due to simplicity in structural design and high power density, PM machines with high speed are best suited for small co-generation. Design of PMHS generator is somewhat different than that of a conventional generator. Besides, the design of HSPM alternator involves complex procedure because of high frequency and high losses factors. Thus all the design parameters required to be chosen very carefully [7-10].

II. DESIGN OF PERMANENT MAGNET ALTERNATOR

A. Initial Considerations

The design process commences on the basis of a design specification which includes the following [11,12]

Terminal voltage, V_a (V)
Frequency, f (Hz)

Activate Windows
Go to Settings to activate Windows.

29°C Smoke 22:32 01-02-2023



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Dr. Ravishankar S. Dudhe presently working as an Associate Professor in School of Engineering and Information Technology, Manipal University, Dubai and former HOD (EXTC) of Lokmanya Tilak College of Engineering, Mumbai University. Dr. R. S. Dudhe did his M. Tech as well as Ph.D in Microelectronics from IIT Bombay. Dr. R. S. Dudhe has taken teaching as a hobby so justifies it. He has got an excellent teaching and research experience of about 21 years to his credit. He is a recognized Ph.D Guide. He has published many research papers to his credit in journals of national / international repute. He has also published a book on 'Analog Electronics-I'. He has also presented his research papers at national / international conference organized in India & abroad. He has organized several national level conferences and he was actively involved in organizing the international conference. He is LIFE member of ISTE and IETE professional bodies. Dr. Dudhe was a member of Board of studies of Electronics & Electronics and Telecommunication of Mumbai University.

Mr. Mohd. Farhan graduated in Electronics & Telecommunication from Lokmanya Tilak College of Engineering, Mumbai University in 2011. His most recent ongoing accomplishment includes post-graduation from Mumbai University, with a Masters degree in EXTC. He is working as Assistant Professor at Lokmanya Tilak College of Engineering. His present focus is in Analog Electronics, Signal Processing, Antennas and Microwave Engineering. He has taught subjects like Electronic Devices & Circuits I & II and Analog Electronics to undergraduates. He has published research papers in international journal/conference.

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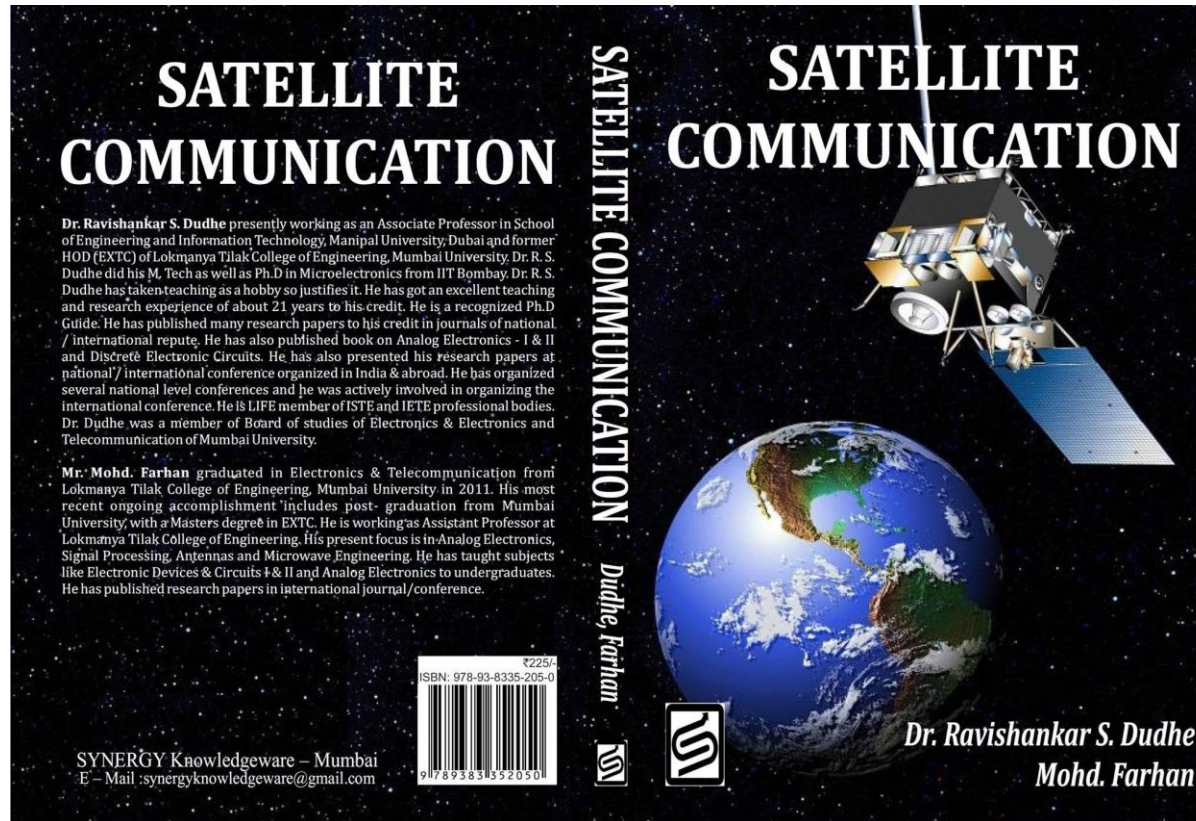
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Mohd. Farhan



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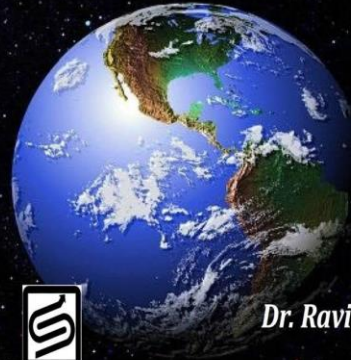
Mr. Mohd. Farhan graduated in Electronics & Telecommunication from Lokmanya Tilak College of Engineering, Mumbai University in 2011. His most recent ongoing accomplishment includes post-graduation from Mumbai University, with a Masters degree in EXTC. He is working as Assistant Professor at Lokmanya Tilak College of Engineering. His present focus is in Analog Electronics, Signal Processing, Antennas and Microwave Engineering. He has taught subjects like Electronic Devices & Circuits I & II and Analog Electronics to undergraduates. He has published research papers in international journal / conference.

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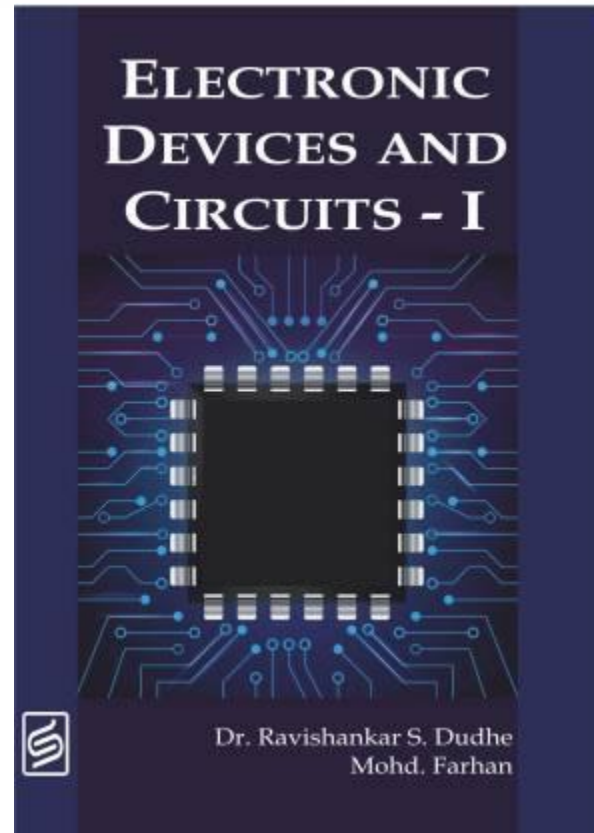
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The screenshot shows a web browser displaying the IEEE Xplore digital library. The page title is "Fundus image analysis for detection of fovea: A review". The publisher is listed as IEEE. The authors are Shilpa Joshi and P. T. Karule. The abstract states: "The fovea is essential characteristics of the eye. It is the sight of our sharpest vision and is the center of Macula. As the severity level of the retinal diseases causing vision loss is related to abnormalities appears in the retina with respect to its distance from fovea. So clinically it is one of the important features to identify for". The page also includes a search bar, navigation links, and a sidebar with "More Like This" recommendations.



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International Conference on Information and Communication Technology for Intelligent Systems

ICTIS 2017: Information and Communication Technology for Intelligent Systems (ICTIS 2017) - Volume 1 pp 516-520 | [Cite as](#)

Automatic and Intelligent Integrated System for Leakage Detection in Pipes for Water Distribution Network Using Internet of Things

Shikha Pranesh Gupta & Umesh Kumar Pandey

Conference paper | First Online: 08 August 2017

1431 Accesses

Part of the Smart Innovation, Systems and Technologies book series (SIST volume 83)

Abstract

The problem of leaking distribution system is very important issues across the world to operate and via moving steps in this direction better performance of services from water supply organization can be achieved. Even though the methods and technology used in a leakage localization are based on only one kind of sensor, therefore the leakage is not identified until the water has risen above the surface. Due to physical constraint and unique feature of water distribution network designing effectively identification of leakage is very difficult. This paper incorporates idea to propose a new effective practical approach to collect the information from the sensor and after the analysis and computation of that data information is communicated using any technology like Bluetooth, wireless network, wired network etc. which will be helpful to fire some important decision and based on this valuable decision, leakage control parameter can be controlled using Internet. This paper aims to propose the use of technology of this era, Internet of things (IoT) integrated with recent advances in electronics embedded technology to secure the most valuable resource water for this era as well as for future generation. This paper aims for proposing use of multi-sensor fusion data and Internet of things for leakage detection in pipes for water distribution

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at the International Conference on Innovative Technologies in Engineering (ICITE-2018) technically co-sponsored by IEEE Hyderabad Section held during 11th - 13th April 2018 organised by University College of Engineering, Osmania University, Hyderabad, Telangana, India under Osmania University Centenary Celebrations, in association with TEQIP-III, UCE, OU and VSSUT Burla, Odisha (TEQIP-III Mentee Institution).

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smita Ambarkar

Toward smart and secure IoT based healthcare system

Authors: Smita Sanjay Ambarkar, Narendra Shekokar

Publication date: 2020

Book: Internet of Things, Smart Computing and Technology: A Roadmap Ahead

Pages: 283-303

Publisher: Springer, Cham

Description: The protection of a patient's data is the prime concern in the healthcare sector. With the escalation in the adoption of Internet of Things (IoT) technology for the smart healthcare system, incidences of the revelation of privacy data also upswings hence it becomes necessary to devise a secure smart healthcare system. The requirement of the secure healthcare system is based on a critical survey and this year's Thales India Data Threat report. The report discloses the percentage of data breaches in past years and emphasizes the need for a tightening of patient data privacy regulation. As a result, the secure smart healthcare system has been recognized as a high priority goal to improve the sustainability of society. However, to concoct a legitimate secure smart healthcare system, threat triggered by integrating multiple devices and protocols need to be curtailed. In addition, a big challenge is to achieve accuracy ...

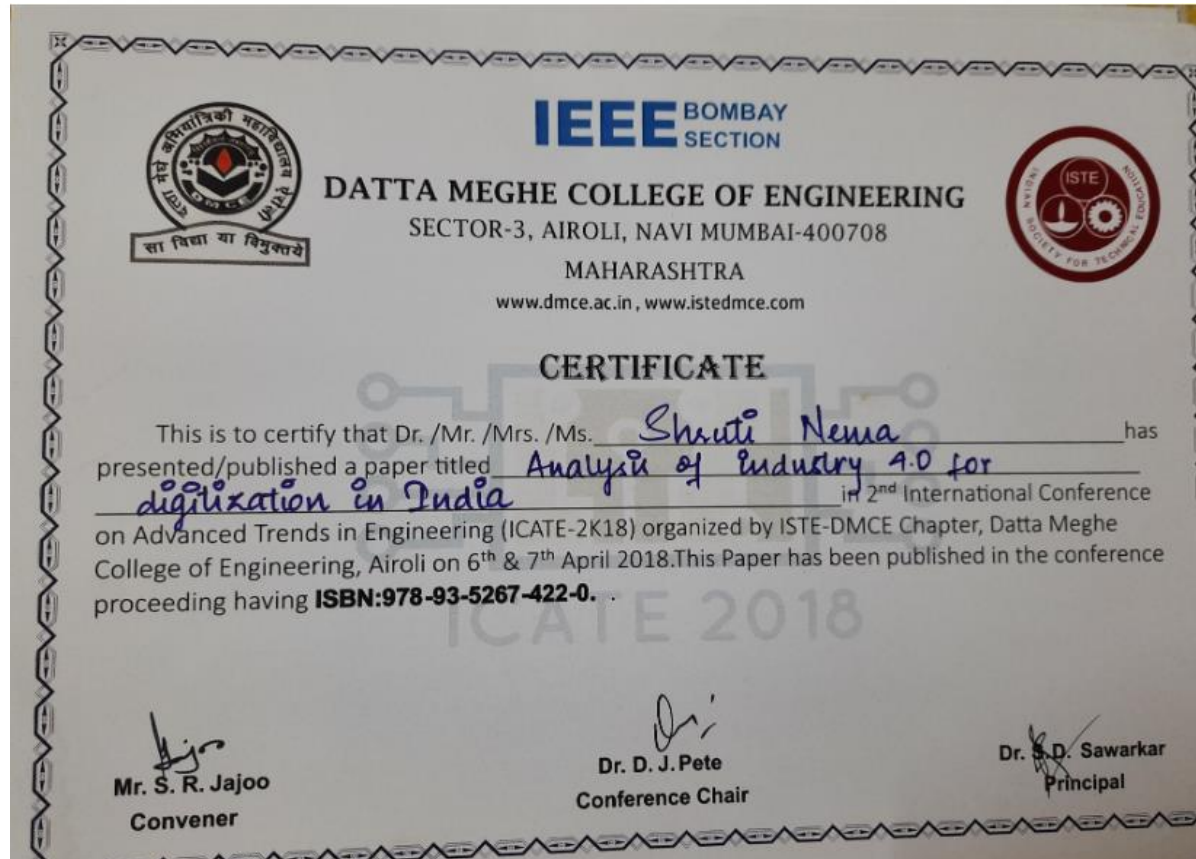
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Scholar articles: [Toward smart and secure IoT based healthcare system](#)
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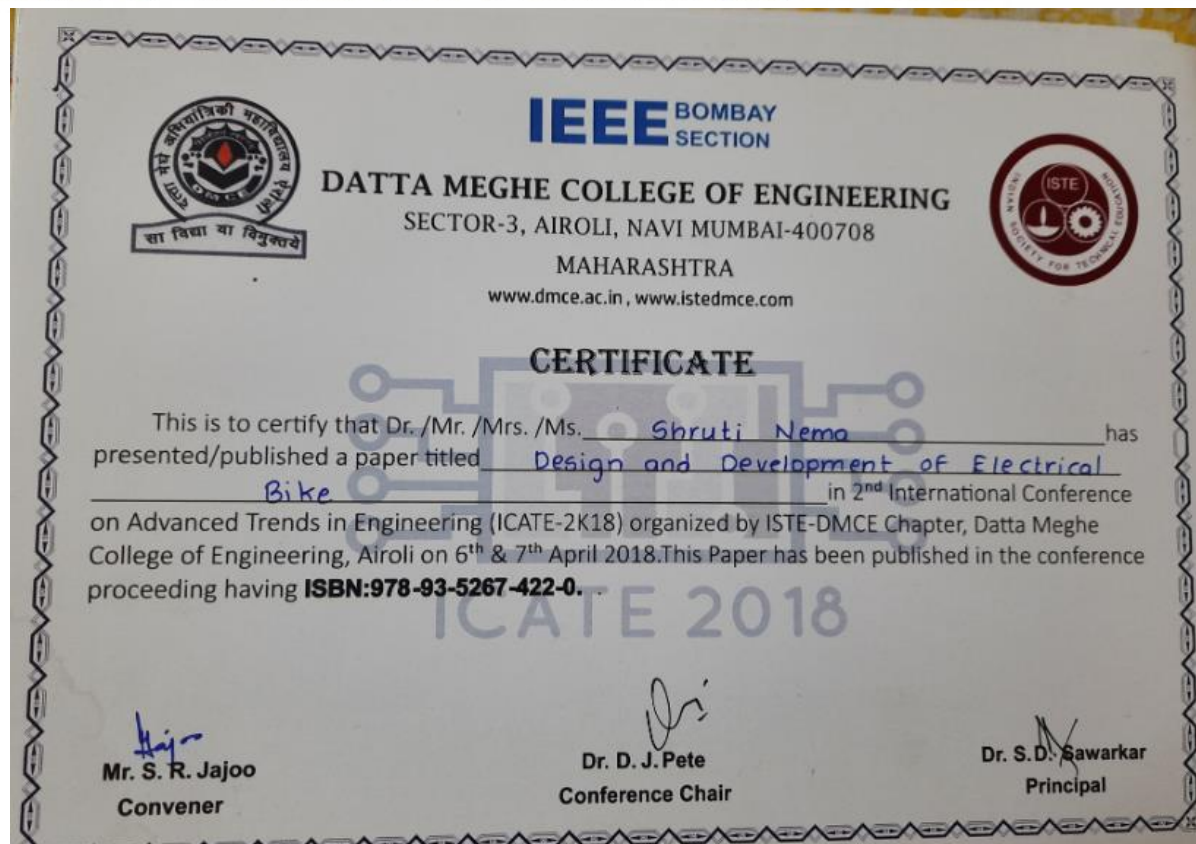


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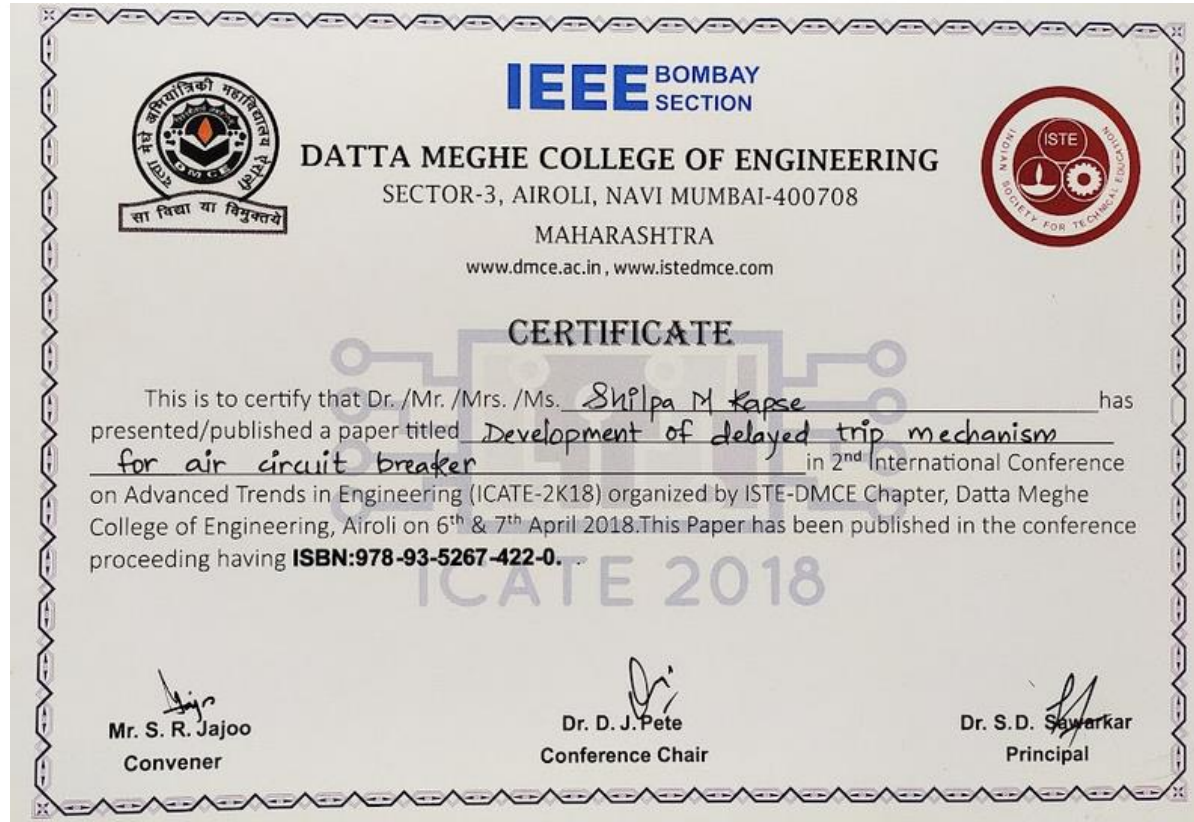


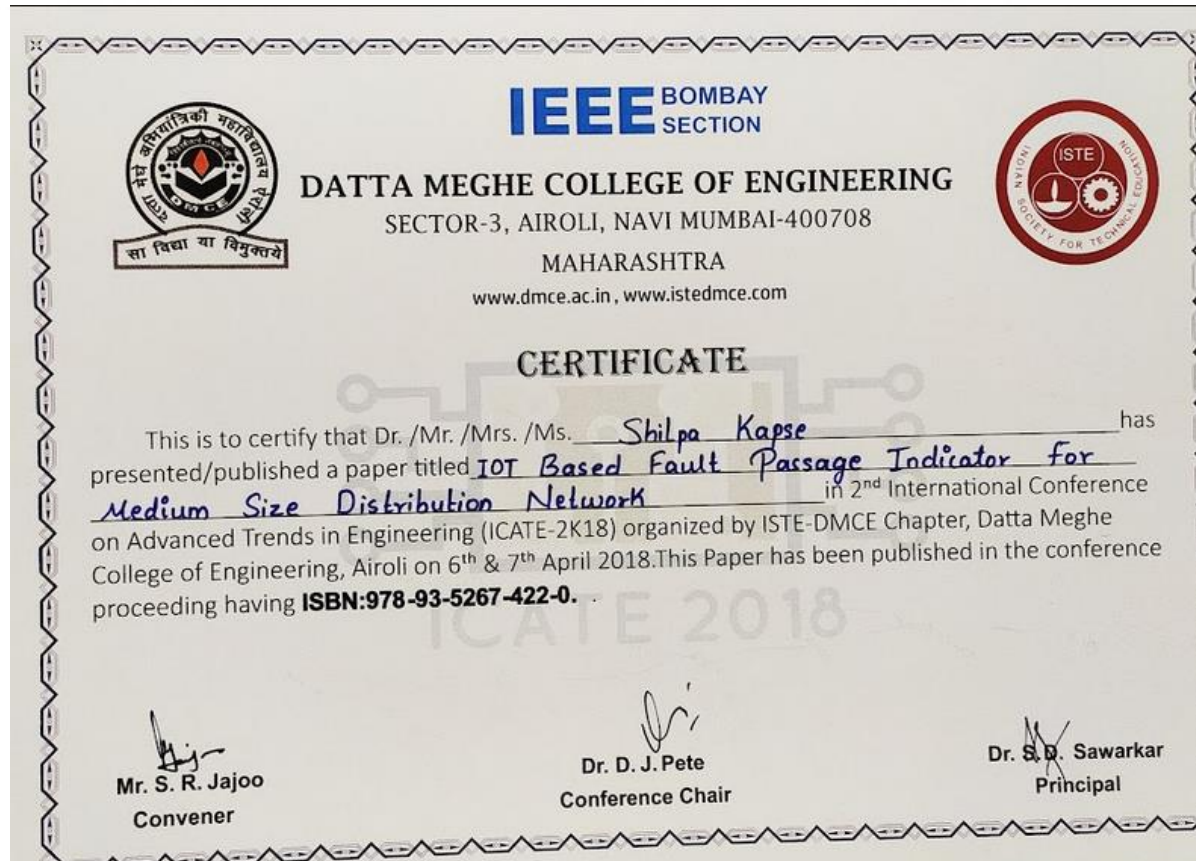
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
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
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


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This is to certify that Dr. /Mr. /Mrs. /Ms. REKHA S. SONUNE has presented/published a paper titled Underground Cable Fault Analysis using Arduino UNO in LT system in 2nd International Conference on Advanced Trends in Engineering (ICATE-2K18) organized by ISTE-DMCE Chapter, Datta Meghe College of Engineering, Airoli on 6th & 7th April 2018. This Paper has been published in the conference proceeding having **ISBN:978-93-5267-422-0**.


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The search results page displays a list of results. The first result is:

- Named entity recognition and tweet sentiment derived from tweet segmentation using hadoop**

Swati Powar; Subhash Shinde
2017 1st International Conference on Intelligent Systems and Information Management (ICISIM)
Year: 2017 | Conference Paper | Publisher: IEEE
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The screenshot shows a web browser window displaying the Book Depository website. The URL is <https://www.bookdepository.com/Web-personalized-Recommender-System-for-e-business-Subhash-K-Shinde...>. The page features a navigation bar with 'Contact us', 'Help', 'FREE DELIVERY WORLDWIDE', 'Order Status', 'Wishlist', and 'Sign in/Join'. Below the navigation bar is a search bar with the text 'Search for books by keyword / title / author / ISBN' and buttons for 'Search' and 'Advanced Search'. The main content area displays a book listing for 'Web personalized Recommender System for e-business' by Subhash K. Shinde and Uday V. Kulkarni. The book is a paperback in English, priced at ₹4,439.69 (a 21% discount from ₹5,659.26). It offers free delivery worldwide and is available for expected delivery to India in 25-30 business days. The 'Add to basket' button is visible at the bottom of the listing. The Windows taskbar at the bottom shows the date as 03-02-2023 and the time as 09:55.



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