



# Indore Institute of Science & Technology

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2023-2024

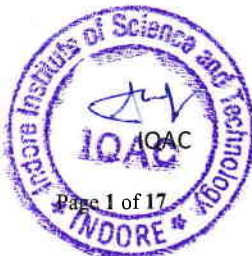
3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

HEI Response: **12**

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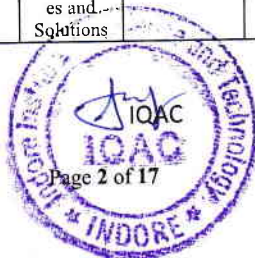
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1. Summary

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Ankit Jain	Intelligent Circuits and Systems for SDG 3 – Good Health and well-being	Tailoring of Morphology and Electrical Properties of Hexagonal Ferrites	NA	NA	National	2024	978-1-0000-0000-0	IIST Indore	CRC Press
2	Dr. Preeti Dixit		Impacts of biofouling on marine environments and its prevention	NA	NA		2023	978-1-0034-5145-7	CRC press	Taylor and Francis
3	Dr. Margi Patel	NA	Software Architecture Survey From an Edge Computing Perspective	IEEE Explore	2024 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU)	International	01/03/2024-02/03/2024	10.1109/IC-CGU58078.2024.10530838	IIST	IEEE
4	Richa Gupta	NA	Prediction-Based Learning to Enhance Artificial Intelligence Essentialities on the Steps of Crop Framing	Proceedings of National Conference on Advancing Engineering Frontiers Innovations, Challenges and Solutions	Advancing Engineering Frontiers Innovations, Challenges and Solutions	National	10 June 2024	978-9-3340-7394-2	IIST	Riser Publisher
5	Vivek Gupta	NA	Prediction-Based Learning to Enhance Artificial Intelligence Essentialities on the Steps of Crop Framing	Proceedings of National Conference on Advancing Engineering Frontiers Innovations, Challenges and Solutions	Advancing Engineering Frontiers Innovations, Challenges and Solutions	National	10 June 2024	978-9-3340-7394-2	IIST	Riser Publisher

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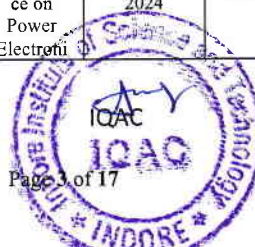
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6	Dr. Mukesh Patidar	NA	Performance Analysis of Side Lobe Reduction for Smart Antenna Systems Using Genetic Algorithms (GA)	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	International	2023	2473-7674	IIST Indore	IEEE
7	Sharvan K. Namdeo	NA	An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Cervical Cancer Screening of Whole Slide Pap-Smear Images	2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA)	2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA)	International	2023	979-8-3503-0500-5	IIST Indore	IEEE
8	Dr. Nitin Kumar Chauhan	NA	An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Cervical Cancer Screening of Whole Slide Pap-Smear Images	2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA)	2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA)	International	2023	979-8-3503-0500-5	IIST Indore	IEEE
9	Dr. Nitin Kumar Chauhan	NA	Social Media Content Control & Automation Techniques	3rd International Conference on Power Electronics	IEEE ICPEICES-2024	International	2024		IIST Indore	IEEE

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				cs, Intelligent Control and Energy Systems 26th - 28th April 2024 Department of Electrical engineering, Delhi Technological University						
10	Ankit Muley	NA	An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Cervical Cancer Screening of Whole Slide Paper Images	2023 7th International Conference on Computer Applications in Electrical Engineering- Recent Advances (CERA)	2023 7th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA)	International	2023	979-8-3503-0500-5	IIST Indore	IEEE
11	Sneha Nagar	NA	A Framework of Recommending Products to Solved Cold Starts Problem using FP Growth Algorithm	15th Soft Computing and Pattern Recognition (SoCPAR-23) Springer	15th Soft Computing and Pattern Recognition (SoCPAR-23) Springer	International	2023		IIST Indore	Springer
12	Aditya Shastri	NA	Social Media Content Control & Automation Techniques	3rd International Conference on Power Electronics, Intelligent Control and	IEEE ICPEICES-2024	International	2024		IIST Indore	IEEE

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				Energy Systems 26th - 28th April 2024 Department of Electrical engineering, Delhi Technological University						

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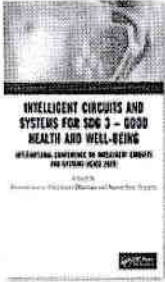
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2. Author: Ankit Jain- Tailoring of Morphology and Electrical Properties of Hexagonal Ferrites

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Chapter


## Tailoring of Morphology and Electrical Properties of Hexagonal Ferrites

By Ankit Jain, Charanjeet Singh, Sachin K. Godara, Rajshree B. Jotania, Varinder Kaur, Ashwani K. Sood

Book [Intelligent Circuits and Systems for SDG 3 - Good Health and well-being](#)

Edition	1st Edition
First Published	2024
Imprint	CRC Press
Pages	7
eBook ISBN	9781003521716

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3. Author: Preeti Dixit- Impacts of Biofouling on Marine Environments and Its Prevention

taylorfrancis.com/chapters/edit/10.1201/9781003451457-2/impacts-biofouling-marine-enviro



Chapter  
**Impacts of Biofouling on Marine Environments and Its Prevention**  
By *Neha Bhaduria, Preeti Pradhan, Arjun Suresh*  
Book Biohydrometallurgical Processes

Edition	1st Edition
First Published	2023
imprint	CRC Press
Pages	10
eBook ISBN	9781003451457

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**ABSTRACT**

One of the key elements that have a large functional and financial influence on ships and other maritime constructions is marine biofouling, or the establishment of aquatic microbes on surfaces used in aquaculture. The primary impact in shellfish aquaculture is the direct fouling of stock, which results in physical loss, mechanical blockage, microbiological conflict, and environmental change in addition to affecting infrastructure. Contrarily, the major consequence of finfish farming is structural pollution, which restricts water circulation, raises the danger of infections, and distorts cages and structures. Consequently, biofouling remediation comes at a high financial expense. Currently, the mitigation of fouling on marine surfaces relies on the development of surfaces that purposefully release biocide to restrict the colonization

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- 4. Author: Margi Patel- Software Architecture Survey from an Edge Computing Perspective

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## Software Architecture Survey From an Edge Computing Perspective

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

Nitin Raihore ; Mukund Savaliya ; Margi Patel ; Sunil Gautam ; Ramesh Ram Naik [All Authors](#)

111 Full Text Views


**Abstract**

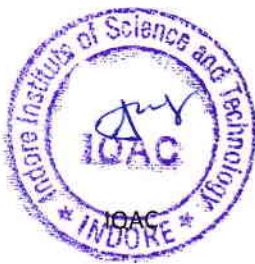
Document Sections


- i. Introduction
- ii. Background
- iii. Scope of the Survey
- IV. Edge Computing in Action
- V. Conclusion

**Abstract:**

The growing interest in the Internet of Things (IoT) has prompted a more innovative architectural design approach and evolutionary frameworks to integrate heterogeneous IoT devices better. Edge computing, which provides services close to end-user devices without requiring high-speed Internet connectivity, has become a popular paradigm for reducing network congestion and allowing real-time Internet of Things applications. However, the heterogeneous and resource-constrained edge nodes make it difficult to design edge computing frameworks. However, because the edge computing environment is dynamic, with irregular connections and limited bandwidth, it's critical to deal with the challenge of determining the relative performance of applications deployed in the edge computing paradigm when input traffic, networking protocols, or system software changes. So, this paper explores three software architectures, namely monolithic architecture, microservices architecture (MSA), and service-oriented architecture (SOA), providing a framework for edge computing's many requirements. A comparative analysis of these three software architectures is also covered based on the fundamental

  
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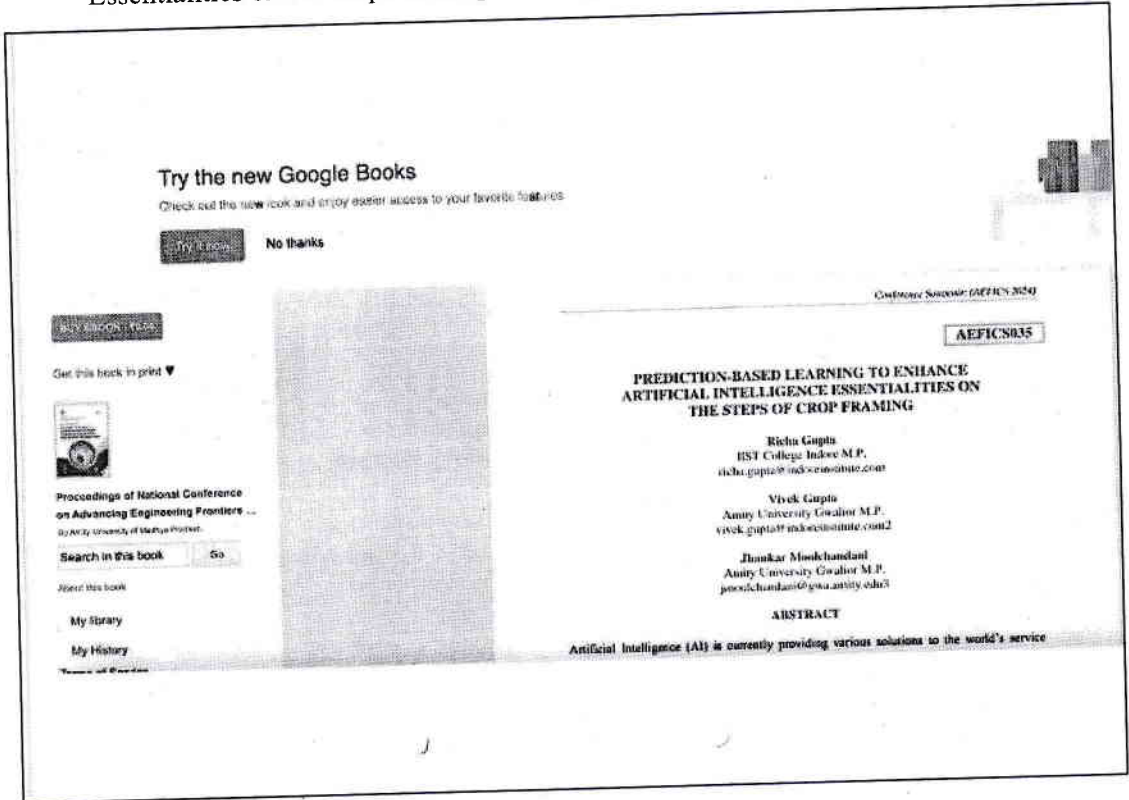



  
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5. Author: Richa Gupta- Prediction-Based Learning to Enhance Artificial Intelligence Essentialities on the Steps of Crop Farming



  
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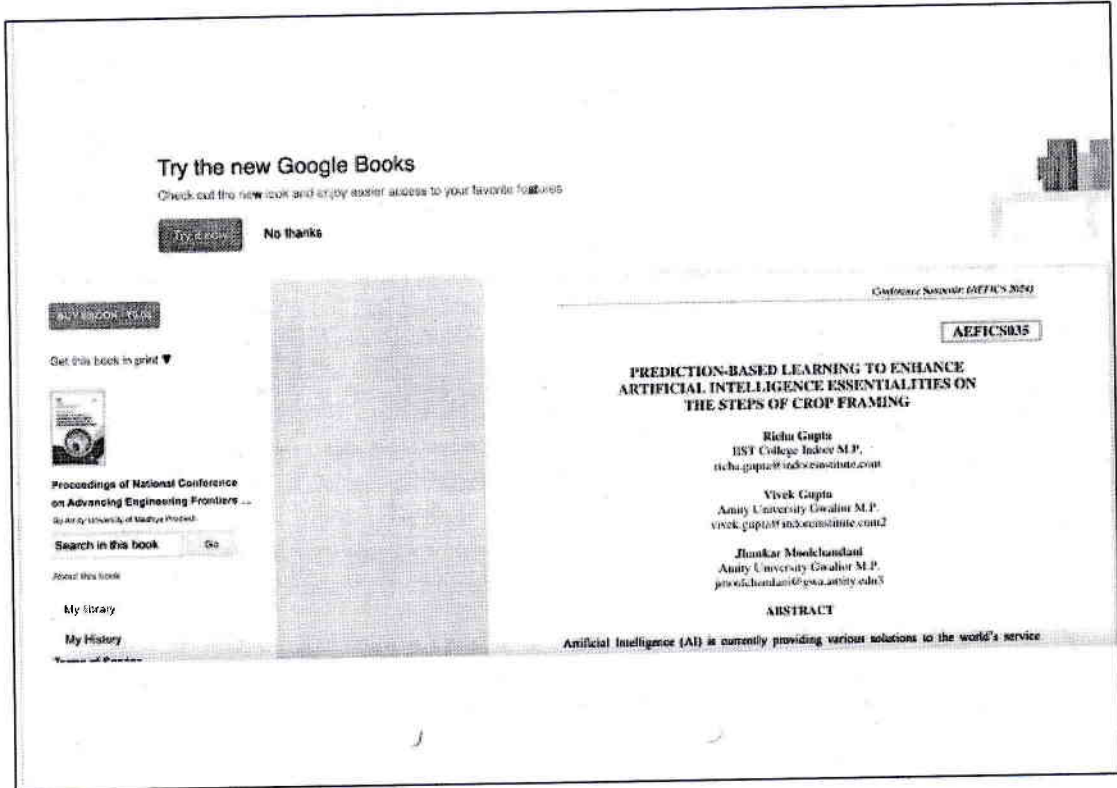


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6. Author: Vivek Gupta - Prediction-Based Learning to Enhance Artificial Intelligence Essentialities on the Steps of Crop Farming



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- 7. Author: Mukesh Patidar- Performance Analysis of Side Lobe Reduction for Smart Antenna Systems Using Genetic Algorithm (GA)

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## Performance Analysis of Side Lobe Reduction for Smart Antenna Systems Using Genetic Algorithms (GA)

Publisher: IEEE [Cite This] [PDF]

Rani Yadav ; Piyush Moghe ; Mukesh Patidar ; Vivek Jain ; Mayur Tembhurney ; Praveen Kumar Patidar | All Authors

2	110
Cites in	Full
Papers	Text Views

**Abstract:**  
The growing demand for wireless communications necessitates greater radio spectrum utilisation in order to achieve better coverage, more capacity, and improved transmission quality. Several adaptive algorithms may be utilised to examine the adaptive beamforming technique of smart antennas, improving the performance of wireless communication networks. This article suggests an efficient and

**Document Sections**

I. INTRODUCTION

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- 8. Author: Shravan K. Namdeo- An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Survival Cancer Screening of Whole Slide Pap-Smear Images

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- Author: Nitin Kumar Chauhan - An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Survival Cancer Screening of Whole Slide Pap-Smear Images

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10. Author: Nitin Kumar Chauhan – Social Media Content Control & Automation Techniques




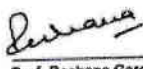
**IEEE ICPEICES-2024**  
3<sup>rd</sup> IEEE INTERNATIONAL CONFERENCE  
on  
**POWER ELECTRONICS, INTELLIGENT CONTROL AND ENERGY SYSTEMS**  
26<sup>th</sup>-28<sup>th</sup> APRIL, 2024


Department of Electrical Engineering, Delhi Technological University

*This certificate of Participation/Presentation is awarded to*

Dr./Mr./Ms. **Aditya Shastri** has attended the conference and presented paper entitled **Social Media Content Control and Automation Techniques** authored by **Aditya Shastri; Jyoti Piparia Nitin Kumar Chauhan, slappna Pillai** in the 3<sup>rd</sup> IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems held at Delhi Technological University, Delhi, India from 26<sup>th</sup> - 28<sup>th</sup> April, 2024.

  
 Prof. Vinod Kumar Yadav  
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11. Author: Ankit Muley- An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Survival Cancer Screening of Whole Slide Pap-Smear Images

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 the text 'All' and an 'ADVANCED SEARCH' button. Below the search bar, the breadcrumb trail reads 'Conferences > 2023 7th International Confer...'. The main title of the article is 'An Evaluative Investigation of Deep Learning Models by Utilizing Transfer Learning and Fine-Tuning for Cervical Cancer Screening of Whole Slide Pap-Smear Images'. The publisher is listed as IEEE, with buttons for 'Cite This' and 'PDF'. The authors are listed as Nitin Kumar Chauhan; Krishna Singh; Shravan Namdeo; Ankit Muley, with a link for 'All Authors'. On the left, there is a statistics box showing '1 Cites in Paper' and '48 Full Text Views'. The abstract section is partially visible, starting with 'Abstract: Deep learning (DL) is a prominent tool utilized today in many applications across many industries, including the healthcare realm. DL methods can manage several problems that traditional artificial...'. At the bottom of the abstract, it says 'Document Sections'.

  
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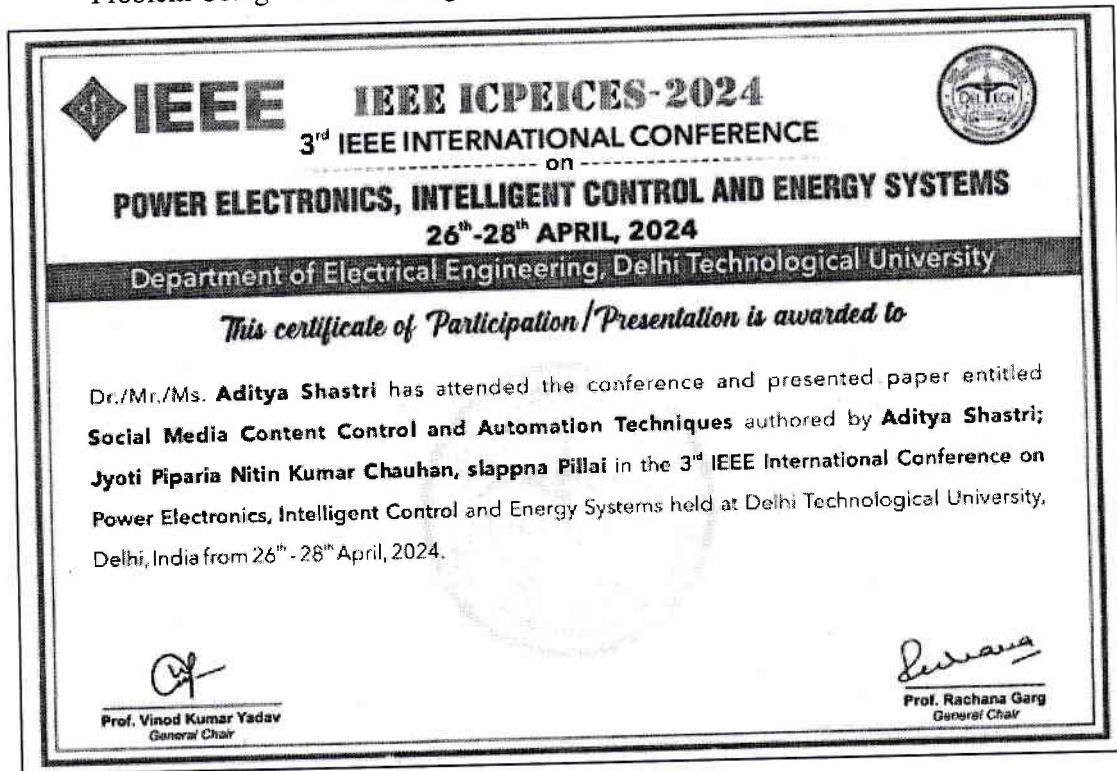


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12. Author: Sneha Nagar - A Framework of Recommending Products to Solved Cold Starts Problem Using FP Growth Algorithm



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13. Author: Aditya Shastri – Social Media Content Control & Automation Techniques




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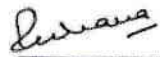



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