

Department of CSE [Artificial Intelligence & Machine Learning]

List of Books Published (A.Y 2024-25)

Sn o	Name of the Authors	Book Name	Publication House & ISBN No.	Volume No. Issue No.	Page no	Month & Year of Publication
1	B Mamatha	Early-Stage Chronic Kidney Disease Detection using Machine Learning with Bigdata	CRC Press & 9781003529231	vol:1	8	July 2024
2	Dr. S. Rao Chintalapudi	A fundamental deep learning algorithm-based system for hidden images in steganography	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	4	Apr-2025
3	Dr.Mahesh Kotha	A rapid development in the banking industry for convolutional neural network-based signature verification	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	7	Apr-2025
4	Dr.D. T. V. Dharmajee Rao	An innovative approach for classifying industrial components by integrating machine learning	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	5	Apr-2025

5	V. Ravinder Naik	An assessment on evaluation of image encryption techniques for practical applications in reliable multimedia applications	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	6	Apr-2025
6	U. Saritha	An IoT-based, two-tier comprehensive and affordable intrusion detection system for smart home security	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	6	Apr-2025
7	Dr. G. Vinoda Reddy	AI-driven cloud framework for IoT devices: Implementation and localization in indoor environment	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	7	Apr-2025
8	Ramesh Azmeera	An innovative method for information security that makes use of RC4 and LSB techniques	Applications of Mathematics in Science and Technology CRC Press & 9781003606659	vol:1	5	Apr-2025


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Chapter

Early-Stage Chronic Kidney Disease Detection using Machine Learning with Bigdata

By B Mamatha, Sujatha P Terdal

Book [Algorithms in Advanced Artificial Intelligence](#)

Edition	1st Edition
First Published	2024
Imprint	CRC Press
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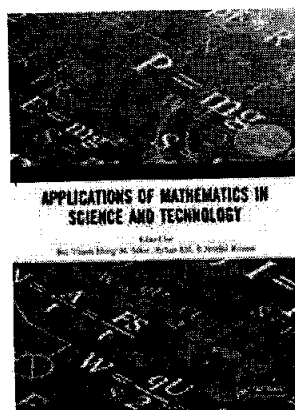
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A fundamental deep learning algorithm-based system for hidden images in steganography

By Siva Skandha Sangala (/search?contributorName=Siva Skandha Sangala&contributorRole=author&redirectFromPDP=true&context=ubx), Rajesh Tiwari (/search?contributorName=Rajesh Tiwari&contributorRole=author&redirectFromPDP=true&context=ubx), S. Rao Chintalapudi (/search?contributorName=S. Rao Chintalapudi&contributorRole=author&redirectFromPDP=true&context=ubx), S. Paramesh (/search?contributorName=S. Paramesh&contributorRole=author&redirectFromPDP=true&context=ubx)

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Edition	1st Edition
First Published	2025
Imprint	CRC Press
Pages	4

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ABSTRACT



These days, information security is crucial while sending it to other locations. Third parties may tamper with the information while it is being transmitted. Steganography will be used in order to prevent information tampering. Picture The concealment of data, including text, pictures, videos, or audio files, inside an image is known as steganography. Encryption is the main use of image steganography since it provides an additional layer of security and concealment for data. This study explains how deep learning techniques, like CNN, can be used to hide images. The image utilized for encoding and hidden image are utilized as inputs. The cover image serves mainly as a means of network concealment, while the secret image is fed into preparation network. The network that creates the hidden secret information is shown by generated cover image, which hides the secret image. The loss function is utilized to ascertain the correctness. By employing deep learning methods to safeguard the data, this program helps prevent cover picture manipulation.

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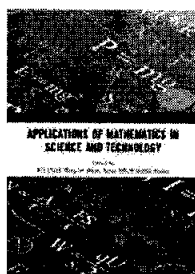
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A rapid development in the banking industry for convolutional neural network-based signature verification

By Ranadeep D. Reddy (</search?contributorName=Ranadeep D. Reddy&contributorRole=author&redirectFromPDP=true&context=ubx>), Srinivasula A. Reddy (</search?contributorName=Srinivasula A. Reddy&contributorRole=author&redirectFromPDP=true&context=ubx>), Mahesh Kotha (</search?contributorName=Mahesh Kotha&contributorRole=author&redirectFromPDP=true&context=ubx>), N. Suresh (</search?contributorName=N. Suresh&contributorRole=author&redirectFromPDP=true&context=ubx>)

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Edition 1st Edition
First Published 2025
Imprint CRC Press
Pages 7

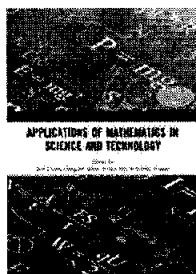
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An innovative approach for classifying industrial components by integrating machine learning and image processing techniques

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Edition	1st Edition
First Published	2025
Imprint	CRC Press
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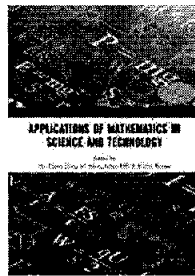


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An assessment on evaluation of image encryption techniques for practical applications in reliable multimedia applications

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First Published	2025
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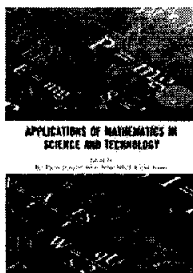


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An IoT-based, two-tier comprehensive and affordable intrusion detection system for smart home security

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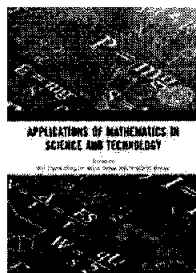


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AI-driven cloud framework for IoT devices: Implementation and localization in indoor environment

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Pages	7

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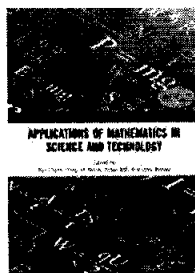


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An innovative method for information security that makes use of RC4 and LSB techniques

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