



Crossref



Member



CiteFactor



UGC Care Journal

ISSN: 2582-3930

Impact Factor: 8.448

International Journal of Scientific Research in Engineering and Management

(Gateway to Global Scholars - An International, Scholarly, Multi-Disciplinary, Open Access Journal)

- Home
- Current Issues
- Past Issues
- For Authors
- Pay Online
- Editorial Board
- About Us
- Contact Us

Call for Papers - Dec, 2024

Vol 08 Issue 12 December - 2024

Submission Deadline

31st December, 2024

Status Notification - 01 day

Final Publication - 01 day

[Submit Paper Here](#)

SUBMIT RESEARCH PAPER

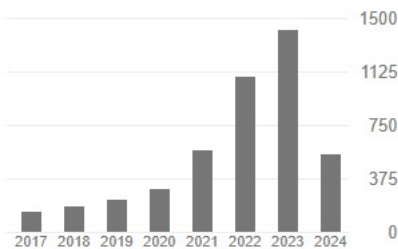
SUBMIT PAYMENT PROOF

Google Scholar

Citations Report

Cited by [VIEW ALL](#)

	All	Since 2019
Citations	5344	4207
h-index	30	25
i10-index	110	80



[Click here to Verify \[Citations\]](#)

Research Topics

FAQ

Publication Ethics

Copyright Infragmentation



Download	27
File Size	374.17 KB
File Count	1
Create Date	14/06/2024
Last Updated	15/06/2024

[Download](#)

Description

[Thyroid Disease Detection Using a Hybrid Machine Learning Approach](#)

Darshan Madhani
PhD research scholar, Department of Computer Science, Atmiya University

Dr. Prakash Gujarati
Research Supervisor, Department of Computer Science, Atmiya University

Short Title:
Hybrid ML Approach for Thyroid Disease Detection

Keywords:
Thyroid disease, machine learning, hybrid approach, Random Forest, Support Vector Machine, Neural Networks

Corresponding Author:
Darshan Madhani
PhD Research scholar , Atmiya University
Email: darshmadhani14@gmail.com

1. Abstract:

This paper introduces a hybrid machine learning approach for the detection of thyroid diseases, specifically focusing on Hyperthyroidism and Hypothyroidism. By integrating Decision Tree and Random Forest algorithms, the proposed model aims to enhance the accuracy and efficiency of thyroid disease prediction. The study demonstrates promising results with approximately 95% accuracy on the trained dataset. Additionally, efforts are made to streamline the diagnostic process by reducing the number of disease detection parameters. The findings suggest the potential of the hybrid machine learning approach in improving thyroid disease detection, thereby benefiting healthcare systems.

Keywords: machine learning, thyroid disease, hybrid model, decision tree, random forest



Analysis of Effect of Noise Removal and Image Smoothing for Automated White Blood Cells Detection and Counting

Optimizing Sustainable Agricultural Practices: A Case Study of Integrated Pest Management Strategies in Farming



 What is DOI

DOI:

A DOI will help Author(s) easily locate a document from your citation. Think of it like a Social Security number for the article you're citing – it will always refer to that article, and only that one. While a web address (URL) might change, the DOI will never change.

Where can i find DOI:

- In IJSREM journal articles, the DOI will be printed with the article itself, usually on the footer of the page
- If the DOI isn't included in the article, look it up on the website CrossRef.org (use the "Search Metadata" option) to check for an assigned DOI.

Benefits:

- o Allows for a quick and precise search.
- o Article can always be located.
- o Persistent link to its location on the Internet.
- o Easier identification of published articles even if the metadata URL is changed.
- o Aid in citation tracking, ensuring a researcher has accurate metrics on how and where their research outputs are being used or referenced.

[🏠 Site Map](#)[🔍 Frequently Asked Questions](#)[- Why IJSREM?](#)

IJSREM is one of the world's leading and fastest-growing research publications with the paramount objective of discovering advances by publishing insightful, double-blind, peer-reviewed scientific journals.

[+ Publication Time Period](#)[+ Publication Procedure](#)[+ Processing Fee's](#)

Plagiarism Checker



To the extent possible under, Indospace Publications has waived all copyright and related or neighboring rights to Journal. This work is published from India.

[Disclaimer](#)[Privacy Policy](#)[Terms and Conditions](#)

Copyright © 2023. All Rights Reserved 