



I OF I Dr. MAHALINGAM

Udumalai Road, Pollachi, Coimbatore District - 642003

Established in 1998 • Approved by AICTE • Affiliated to Anna University

Cycle 3 (2023-2030) The Highest Grade

(A DIVISION OF NIA EDUCATIONAL INSTITUTIONS)

COMPYOUTH ASSOCIATION





DEPARTMENT OF COMPUTER APPLICATIONS (MCA)

GRADUATES WILL

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1.Domain Expertise: Employ computational and mathematical knowledge to identify, characterize, create, implement, and improve software solutions for a range of problems across various application areas.

PEO 2.Computing Skills and Ethics: Employ technical skills to solve societal and environmental issues in an ethical manner.

PEO 3.Lifelong Learning and Research: Committed to continuous learning and research in computing.



PROGRAMME OUTCOMES (POS)



On successful completion of Master of Computer Applications programme, graduating students/graduates will be able to:

- PO 1. An ability to independently carry out research/investigation and development work to solve practical problems
- PO 2. An ability to write and present a substantial technical report/document
- PO 3. Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program.
 The mastery should be at a level higher than the requirements in the appropriate bachelor program
- PO 4. Skilled to identify an appropriate design, framework, and data models to create a system that performs well.
- PO 5. Proficient in creating real-time applications leveraging emerging and contemporary technologies



GRADUATES WILL

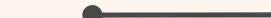
PROGRAMME SPECIFIC OUTCOME (PSOs)

On successful completion of the programme the graduates will be able to:

PSO1. Application Development: Apply software engineering principles in the design and development of web and mobile applications.

PSO2. Data management: Manage and analyze huge volume of data in real world problems.





VISION - MISSION



Vision of the Department:

The Department of Computer Applications seeks to transform students from diverse backgrounds into proficient and competitive software experts who can deliberately solve the needs of the community while coming up with innovative solutions to shifting contemporary issues

<u>Mission of the Department :</u>

- >> To become proficient with computer applications, employ state-of-the-art teaching and learning techniques.
- >> Teach students to be successful, moral, and effective problem solvers who will also become lifelong learners and contribute to the strengthening of our nation.
- >> Provide a foundation for value-based learning and integrate new research findings and discoveries into a range of scientific fields.
- >> To promote morality and excellence among students.
- >> Encourage students to develop their entrepreneurial abilities so they can lead nations globally.

FACULTY FORGE FOSTERING EXCELLENCE THROUGH DEVELOPMENT

Our department faculty members have attended A five-Day online FDP on "AI FOR ENHANCED CYBERSECURITY IN SMART DEVICES AND IOT ENVIRONMENTS" held from 11.03.2024 to 15.03.2024 organized by Dept of Computing (Software Systems), Coimbatore Institute of Technology,

Coimbatore











FACULTY FORGE FOSTERING EXCELLENCE THROUGH DEVELOPMENT

Our department faculty members have attended One week online Faculty Development Program (FDP) on AI Fusion: Bridging Academia and Industry for Innovations across Fields held from 18.03.2024 to 22.03.2024 organized by Department of Computer Applications (MCA), Coimbatore Institute of Technology, Coimbatore













FACULTY FORGE FOSTERING EXCELLENCE THROUGH DEVELOPMENT

Our department faculty members Ms.K.C.Theepika Assistant Professor, Ms.S.Divya Vahini Assistant Professor & Ms.B.Yesodhai Assistant Professor have completed the following NITTTR course Modules

Module	Module Name	Exam Date
Module 1	Orientation Towards Technical Education and Curriculum Aspects	10.02.2024
Module 2	Professional Ethics & Sustainability	10.02.2024













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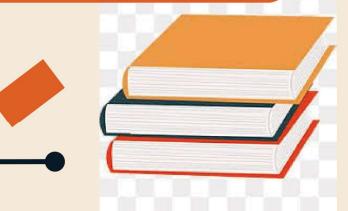


FACULTY FORGE FOSTERING EXCELLENCE THROUGH RESEARCH & DEVELOPMENT





Our Faculty members Ms.B.Yesodhai Assistant Professor & Dr.S.Raja Rajeswari Assistant Professor have published a research paper titled "An Analysis of Ethics-Based Foundation and Regulatory Issues for Genomic Data Privacy" in the Journal of The Institution of Engineers (India): Series B Published: 23 April 2024, Volume 105, Issue 2



BOOK LAUNCH: UNVEILING THE LITERARY MARVEL!

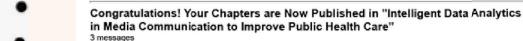
Dr.S.Raja Rajeswari Assistant Professor have been successfully published chapters in the book "Intelligent Data Analytics in Media Communication to Improve Public Health Care" by Apple Academic Press.

5/8/24, 11:04 AM

Gmail - Congratulations! Your Chapters are Now Published in "Intelligent Data Analytics in Media Communication to Improve ...



RajaRajeswari <rraji.raji22@gmail.com>



editor Media <editor.mediacommunication@gmail.com> To: RajaRajeswari <rraji.raji22@gmail.com> Mon, Apr 29, 2024 at 10:51 PM

Respected Author(s), Hope you are doing well!

I am delighted to inform you that your chapters have been successfully published in the book "Intelligent Data Analytics in Media Communication to Improve Public Health Care" by our esteemed publisher. Your contributions have greatly enriched the content of the book, and we are thrilled to have your work included.

You can now view the published book online by following this link: https://www.appleacademicpress.com/intelligent-data-analytics-in-media-communication-to-improve-public-health-care-/9781779520616

Once again, congratulations on the publication of your chapters! We appreciate your valuable contribution to this project and look forward to potentially collaborating with you on future endeavors.











ARTICLE REVIEW: DECIPHERING THE GEMS OF INSIGHT!



Article reviewed by Dr.R.Muthusami
Associate Professor for 5th
International Conference on Computer
& Communication Technologies
(IC3T),Kakatiya Institute of Technology
& Science, Warangal

Article reviewed by Dr.R.Muthusami
Associate Professor for journal of Big
Data on "Search-engine-based
surveillance using artificial intelligence
for early detection of coronavirus
disease outbreak"



Infl. you for the review of KNOSTS-D-24-01853

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Article reviewed by Dr.R.Muthusami Associate Professor for journal of Knowledge-Based Systems on ": Socially Informed Pattern Exploiting Training for Few-Shot Stance Detection in Social Media Knowledge-Based Systems"





ARTICLE REVIEW: DECIPHERING THE GEMS OF INSIGHT!

M Gmail

Re:[Journal of Autonomous Intelligence] (Indexed in Scopus) 971- Article Review

Wed, Nov 15, 2023 at 3:06 PM

Dear Prof.Dr. Sethuraman,

Hope this email finds you well.

Considering your great achievements in the field, we believe that you would serve as an excellent reviewer of the manuscript, "A Hybrid Model of Unsupervised and Supervised Learning for Multiclass Sentiment Analysis Based on Users' Reviews on Healthcare Web Forums', which has been submitted to our open access journal Journal of Autonomous Intelligence' (e1528-7239-5046, http://jai.front-sci.com/index.php/jai), I hope that you will consider undertaking this important task for us.

Here is the abstract part of the full text.

Abstract:
Tester has become a popular platform for sharing health information, including diabetes related content. Recent research studies have shown that Twitter data can be used for various purposes such as monitoring linesses, promoting health, analyzing sentiment, and potentially aiding in medical directing. However, detecting finess-related herets in the varia amount of data on Twitter can be effould. This plot study, therefore, aimed to lossibly patient test about drugs and disease-associated herets into meaningful health-related segments. Using unsupervised learning is means clustering by using this first label the text and followed by a combination of neural networks and machine learning classifiers, they classified 32400 diabetes-related tweets and 101200 drug text lines into five groups. Approximately 60.38% of drug line text was classified as health-related set, with 55.14% "recentent and medication", 7.10% "prevention" and 5.3% "symptoms and causes". Over 33% were categorized as "Other-After this mibitation", 7.70% "prevention" and 5.3% "symptoms and causes". Over 50.16 % were categorized as "Other-After this mibitation", 7.70% "prevention" and 5.3% "symptoms and causes". Over 50.16 % were categorized as "Other-After this mibitation of the control o

ords—k-means labeling, CNN-LSTM, Tweets, Sentiment Analysis, Feature Extraction

Could you please let us know if you accept this invitation? Thank you for kind consideration.Looking forward to your



Article reviewed by Dr.S.Raja Rajeswari Assistant Professor for Journal of Autonomous Intelligence on A Hybrid Model of Unsupervised and Supervised Learning for Multiclass Sentiment Analysis Based on Users' Reviews on Healthcare Web Forums



Article reviewed by Dr.S.Raja Rajeswari Assistant Professor for International Journal of Experimental Research and Review on "Feature selection in Microarray using proposed hybrid Redundancy-Maximum Minimum Relevance (MRMR) and Modified Genetic Algorithm (MGA)"



M Gmail RajaRajeswari <rraji.raji22@gmail.com [Int. J. Exp. Res. Rev.] Article Review Request Sat, Feb 24, 2024 at 12:24 AM Nither Renjen Medhu <scholar@ieph.in> To: "Or. S. RAJA RAJESWAR!" mailto:rej22@gmail.com Dr. S. RAJA RAJESWARI: I believe that you would serve as an excellent reviewer of the manuscript, "Feature selection in Microarray using proposed hybrid Minimum Redundancy-Maximum Relevance (MRMR) and Modified Genetic Algorithm (MGA)," which has been submitted to International Journal of Experimental Research and Review. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us. ease log into the journal web site by 2024-02-28 to indicate whether you will undertake the review or not, as well as access the submission and to record your review and recommendation. The review itself is due 2024-02-28. Submission URL: https://igtanalytics.in/journals/index.phpf.JERR/hev/ewer/submission//submission/d=3090&re 2048&keys51.KSR4zi "Feature selection in Microarray using proposed hybrid Minimum Redundancy-Maximum Relevance (MRMR) and Modified Genetic Algorithm (MGA)" Gene expression microarray data usually have huge number of genes with smaller number of samples. Among all the genes, many are irrelevant, insignificant or redundant to the disselfication analysis. Therefore the identification of informative genes, which have the greatest rele in classification, is of essential and practical importance to the classification problems, such as cancer versus non-cancer classification and classification of disselfication of informative genes as two-stage feature selection algorithm by integrating filterinam Redundancy Maximum Redevance (MRNR) and Modified Genetic Algorithm (MGA), in the first stage MRNR is used to filter redundant genes in high dimensional miniorarray data. In the second phase MCAR and to eliminate meritaristic many control of the compared with the attention MRNR with CA algorithm. The implementation results show that the proposed member has been such as second classification performances.



international Journal of Experimental Research and Review

SKILL DEVELOPMENT PROGRAMS

Title: Hands on session on Advanced in IOT

Course code & title: 19CACN7202

Advanced in IOT

Resource person: Mr. Bharani Chandru,

Project Engineer,

NoviTech R&D Pvt Ltd, Coimbatore.











Participants: I MCA students

Date: 26.03.2024 & 27.03.2024

Staff Coordinator: Ms.S.Divya Vahini

SKILL DEVELOPMENT PROGRAMS

Title: "Web Application Development using

Angular"

Resource person: Mr. Dhaarun A G &

Mr. Periyasamy P,

DMeX Solutions Private Limited,

Coimbatore.













Participants: I MCA students

Date: 26.03.2024 & 27.03.2024

Staff Coordinator: Ms.K.C.Theepika



INDUSTRY EXPEDITION

NEW STYLE

On I Year MCA students had the privilege to visit the Bharat Sanchar Nigam Limited (BSNL) office in Coimbatore on 07.05.2024. The visit aimed to provide students with practical insights into the operations of a telecommunications company and to facilitate learning beyond the classroom.











EDITORIAL BOARD



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Ms.G.Kirubalakshmi, Teaching Asst.

Editors:

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