

R.M.K. ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION



DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING
ODD SEMESTER
NEWSLETTER
2023-2024



R.M.K. ENGINEERING COLLEGE AN AUTONOMOUS INSTITUTION

Congratulations!



Our Chairman
Shri R.S.Munirathinam received
global education leadership
achievement award - london 2023



Our Chairman
Shri R.S.Munirathinam
received lifetime achievement
award from the honorable
Chief Minister of Tamilnadu
on 23rd april,2022

OPATRONSO

SMT.MANJULA MUNIRATHINAM

CHAIR PERSON

SHRI.R.S.MUNIRATHINAM

FOUNDER & CHAIRMAN

SHRI.R.JOTHI NAIDU

DIRECTOR

SHRI. YALAMANCHI PRADEEP

SECRETARY

DR.DURGADEVI PRADEEP

/ICE CHAIRPERSON

SMT.SOWMYA KISHORE

TRUSTE

DR.K.A.MOHAMED JUNAID

PRINCIPAL

DR.K.CHANDRASEKARAN

DEAN

DR.ELWIN CHANDRA MONIE

DEAN RESEARCH

CHIEF EDITOR

DR.T.SETHUKARASI

PROFESSOR & HEAD / CSE

EDITORIAL BOARD

DR.B.JAISON

PROFESSO

MR.N.VEL MURUGESH KUMAR

ASSISTANT PROFESSOR

MS.J.LATHA

ASSISTANT PROFESSOR

ODD SEMESTER 2023-2024

CSE NEWSLETTER

WWW.RMKEC.AC.IN

STUDENTS CORNER







Congratulate Happy to Students of CSE Department for Earning All the Badges in Cloud Computing Google Foundations. The Management, Principal, Heads of the Department faculty and members wish them well for their future endeavors



ODD SEMESTER 2023-2024

CSE NEWSLETTER

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Greetings,

Congratulate Happy to of CSE Department Students PERMASETTY DINESH of final year secured Gold medal and SRI CHERAN got Bronze medal in Weightlifting -Zone Inter which Competitions were conducted at Pavai Engineering College, Namakkal on 22.11.2023.



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SAI TEJA N IV year Batch-2019-2023

won the prizes in

- DEBUGGING (BugCrux Battle)
- CODING (Biward Tournament)
- CHAMBERS OF PYTHON
- AUM CTF



COLLEGE OF ENGINEERING AND TECHNOLOGY (LICET) Loydis Cempus, Navigenbackism, Channel - 600054 Anmouted a roll and America to Oxana University or Vision August 10 to Anna Augu
CERTIFICATE OF MERIT This is to certify that Mr/Ms
SOUR ENGINEERING COLLEGE Secured DOST in the event Gunzahao Tournament in Xplore'23, A National level Technical Symposium held on 16 September 2023.
COMPENSE CONFESSE PRINCIPAL

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sakthipriya won the prizes in

- Duo Developers
- Volleyball



Sakthipriya. R III year 2020-2024





Praveen M III year 2020-2024



Praveen won the prizes in

- Duo Developers
- The Bug Hunter Squad

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Naveen kumar got prizes in

- Blind Coding
- The Bug Hunter Squad



Naveen Krishna P M III year 2020-2024



Baalaji Sakthivel S IV year 2019-2023





Balaji Sakthivel got prize in Chamber of python

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SIVASANGARAN WON THE PRIZES IN

- Hackthon
- Competitive Programming
- App Development
- Ideation
- Product Display



PRATTHIKA.A.T II YEAR 2021-2025



PRATTHIKA won the prizes in

- Quizzitch
- Tesseract



T. Shiva Shangaran II YEAR 2021-2025



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PRAVEEN KUMAR WON THE PRIZES

- Hackathon
- TheBug Hunters Squad





S.Praveen Kumar III YEAR 2020-2024



GOKULAVASAN S IV YEAR 2019-2023



Gokulavasarn won the prizes in

- CODING (Biward Tournament)
- CAPTURE THE FLAG







SUHAIL SHERIEF S
IV year
2019-2023

Suhail Participated in Capture The Flag cyber security competition that was held nationwide and was organized by IIT Bombay. The competition had 2 rounds (qualifying, finals) around 500 participants participated in the first round and only 47 qualified to the final round including me. The finals was held on IIT Bombay campus, it was an overnight competition and I got placed 16th position amongst the 46 other participants who qualified for finals.

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Team Name: Team Trampzee

Team Members: S.Palvesh, M.Ranjith, S.Rishi

Ganesh

Project Title: Trampzee - Map to serve

Event: Sustainability Hackathon Challenge 2023

Date: 28 & 29th April 2023

Organiser: Entrepreneurship Development Institute

of India [EDII], Ahmedabad

Achievement: Finalist

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ODD SEMESTER 2023-2024

Dr.Neelakandan Subramani



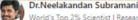
Professor VLOG

World's top 2% of scientist

Im happy to share with you that i have been recognized as one of the world's top 2% of the scientist for the year 2022.

Ergonomics Society of Korea, held at the International Convention Center

I am very happy to share my incredible experience at the Autumn Conference organized by the Ergonomics Society of Korea, held at the International Convention Center - JEJU island.



World's Top 2% Scientist | Research Professor, HCT Lab, Gyeongsang National University, So.. 2mo

I am happy to share you that I have been recognized as one of the world's Top 2% of Scientists for the year 2022. This honour was bestowed upon me in the recent rankings released by Elsevier Scopus and Stanford University on October 4, 2023.

This achievement would not have been possible without the unwavering support, encouragement, and collaboration of my friends, mentors, and co-authors throughout

This achievement would not have been possible without the unwavering support, encouragement, and collaboration of my friends, mentors, and co-authors throughout my academic and research journey. I want to express my deepest gratitude to all for being a part of this remarkable accomplishment.

Check out the publicly available #database here: https://lnkd.in/dKFbw_Cb

ian, Qi	The University of Texas at	usa	432	1995	202
tockfleth, Eggert	Ruhr-Universitat Bochum	deu	343	1990	202
angevin, Y.	CNRS Centre National de la	fra	270	1974	202
onati, Maria Benedetta	Istituto Neurologico Medit	ita	622	1966	202
Millhauser, Glenn L.	University of California, Sa	usa	159	1984	202
Mongeon, Philippe	Dalhousie University	can	43	2013	202
hang, Kuang	Harbin Institute of Technol	chn	221	2008	202
demi, Zanfina	Monash University	aus	145	2007	202
uston, David H.	Columbia University	usa	129	1965	199
loss, Julie A.	University of Minnesota M	usa	214	1986	201
leelakandan, S.	RMK Engineering College	ind	41	2011	202
Voodard, Pamela K.	Washington University Sch	usa	268	1992	202
AcKelvey, Richard D.	California Institute of Tech	usa	52	1974	201
afa, Ahmad	Indiana University School o	usa	128	1981	202
erher, Tone	Univerza v Mariboru	svn	71	2004	202
lordeng, Hedvig Marie Eg	E Universitetet i Oslo	nor	204	1998	202
akirov, Stoyko	The University of Auckland	nzl	252	1969	202
eixoto, Raquel Silva	King Abdullah University of	sau	112	2002	202
			2.0	****	204



ODD SEMESTER 2023-2024

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I am very happy to share that i have certified from Board of directors of the IEEE the grade of Senior Member

ODD SEMESTER 2023-2024

CSE NEWSLETTER

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WHAT IS AN

INDUSTRIAL VISIT

SHOULD YOU VISIT?



North Chennai Thermal Power

Station

Batch: 2022-2026

Year: II YEAR CSE C and D







No of Students : 65 Monday, 29-08-2023

12/41



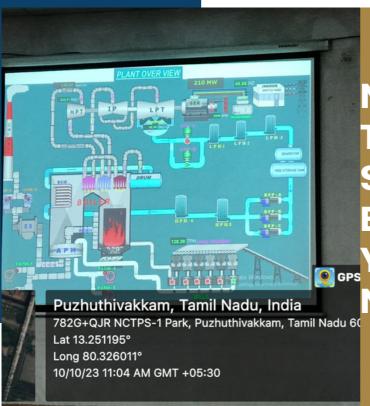
Inside The VIEW



Welcome onboard, Students!



The North Chennai Thermal Power Station was commissioned in 1994 in the <u>Thiruvallur</u> district. It was built there due to its proximity to the <u>Ennore Port</u>, which also supplies <u>Ennore Thermal Power Station</u>. It has won various awards for productivity and reduction in auxiliary consumption.



North Chennai Thermal Power Station Batch:2020-2024 Year: III YEAR CSE B No of Students: 62

Inside The view

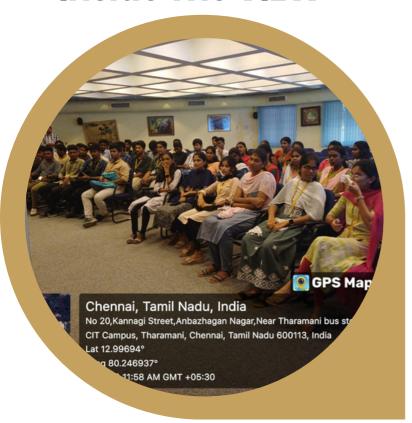






MS SWAMINATHAN RESEARCH FOUNDATION THARAMANI Batch:2019-2023

Inside The VIEW



Welcome onboard, Students!



TM S Swaminathan Research Foundation (MSSRF) established in 1988 is a not-forprofit trust. MSSRF was envisioned and founded by Professor M S Swaminathan, agriculture scientist with proceeds from the First World Food Prize that he received in 1987. The Foundation aims to accelerate use of modern science for sustainable agricultural and rural development.

IEEE International conference RMKMATE'23 Conducted on November 2023

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ODD SEMESTER 2023-2024





We are delighted to inform you that the Department of Computer Science and Engineering, R.M.K. Engineering College organised IEEE International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence, and Telecommunication Engineering (RMKMATE) conducted on 1st-2nd, November 2023 in association with IEEE MADRAS SECTION

WELCOME ADDRESS TO THE DELEGATES DELEGATES 20 THE Homework and the control of t

IEEE International conference RMKMATE'23 Conducted on November 2023

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ODD SEMESTER 2023-2024



IEEE International conference RMKMATE'23 Conducted on November 2023

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ODD SEMESTER 2023-2024



Our heartfelt thanks to the Chief guest Prof. John MacIntyre UK, and keynote speakers Prof. Ari Happonen Finland and Prof. Pek Chuen Khee, Eugene Malaysia from international universities. Esteemed Session Chairs and distinguished participants from various places for the 2023, IEEE International Conference On Methodologies Management, Artificial In Knowledge Intelligence And Telecommunication Engineering *RMKMATE'23* organized by the Department of Computer Science and Engineering on 01-11-2023 & 02-11-2023

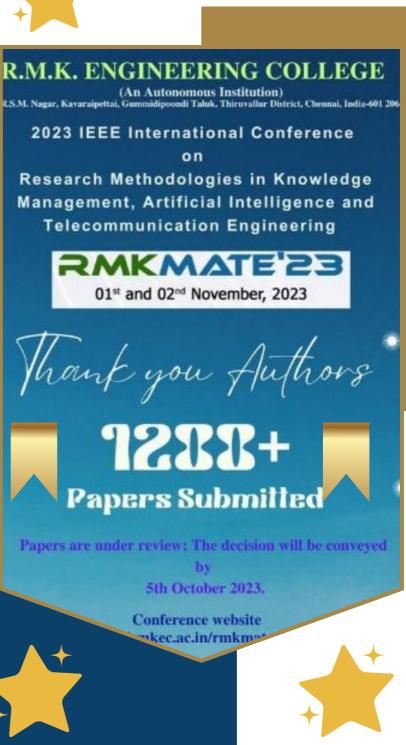


IEEE International conference-RMKMATE'23

WWW.RMKEC.AC.IN



We are very happy to share that we have crossed 1200+ submissions for our First IEEE international conference RMKMATE. We would like to express our gratitude to our Magnanimous Management, Principal, Head of Department, and all staff members for their encouragement, contributions towards the success of the conference.



ODD SEMESTER

2023-2024

CSE <u>NEWSLE</u>TTER

Math Club





01.

Event-1

MATH CLUB CONDUCTED THE EVENT MATH BRAIN TEASERS.



02.

Event -2

MATH CLUB CONDUCTED THESPEECH COMPETITION ON REAL TIME APPLICATION OF ENGINEERING MATHEMATICS

02

LAN AUTONOMOUS ARSTITUTION]

R.S.M Nagar, Kavaraipettai – 601206, Gummidipoondi Taluk, Thiruvallur District.

Affiliated to Anna University, Chennai /Approved by AICTE, New Delhi / Accredited by NAAC with A+ Grade
ISO 3001:2015 Certified Institution / All the Eligible UG Programmes are accredited by NBA, New Delhi. **Department of Computer Science and Engineering** INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative) WINNERS OF THE EVENT SPEECH COMPETITION On Real Time applications of Engineering Mathematics **SRUTHIS SHANMUGAPRIYA C SUJITHA M.S** III Year CSE III Year CSE III Year CSF 1st 3rd 2nd

CSE NEWSLETTER Science and InnovativeClub







SCIENCE AND INNOVATION CLUB CONDUCTED THE POSTER DESIGN COMPETITION ON 20.9.2023

An Autonomous Institution

R.S.M. Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiravallur District - 601206.

Affiliared to Anna University, Cheanai / Approved by AICTE, New Delhi/ ISO 9001:2015 Certified Institution / Accredited by NAAC with A+ Grade / All Eligible UG Programs are accredited by NBA, New Delhi.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING In Association with

Science and Innovation Club

Organizes

TECHNICAL TALK

Date: 17.11.2023

WINNERS LIST

K.V. Krishna Charar

02

Tanket or creativity of purposes of the control of

Event -2

02.

SCIENCE AND INNOVATION CLUB CONDUCTED TECHNICAL TALK EVENT ON 17.11.2023

Coding Club







01.

Event-1

CODING CLUB
CONDUCTED THE EVENT
HASH IT OUT



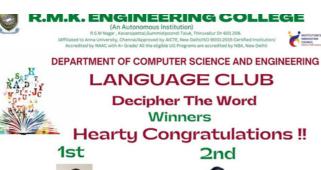
02.

Event -2

CODING CLUB CONDUCTED THE EVENT CODE PONDERS

Language Club





01



M.K. ENGINEERING COLLEGE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING LANGUAGE CLUB

> The Great Tongue Off Winners

Hearty Congratulations!!

LANGUAGE **CLUB** CONDUCTED THE **GREAT TONGUE OFF EVENT**

01.

Event-1

LANGUAGE **CLUB** CONDUCTED THE EVENT **DECIPHER THE WORD**

02.

Event -2

Cultural Club





01.

Event-1

CULTURAL CLUB
CONDUCTED CHINESE
WHISPER ACTIVITY



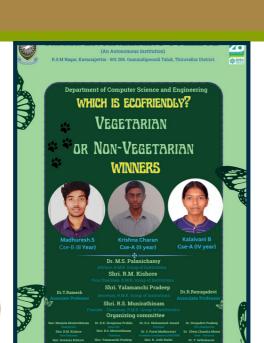
02.

Event -2

CULTURAL
CONDUCTED
CREATION EVENT

CLUB MEME

ECO Club



01





01.

Event-1

ECO CLUB CONDUCTED WHICH IS ECO FRIENDLY EVENT

02.

Event -2

ECO CLUB CONDUCTED
GREENBRAINS CHALLANGE
EVENT



NPTEL

TOTAL: 113

ELITE: 51

SILVER: 16

COMPLETED: 46

II year

III year

TOTAL: 48

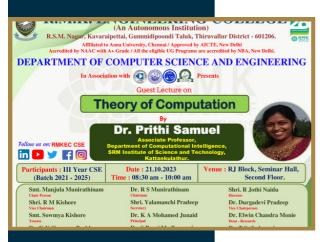
ELITE: 5

COMPLETED: 43

GUEST LECTURE



GUEST LECTURE O CURRENT
TRENDS IN DIGITAL
INNOVATION MANAGEMENT
BY DR.YOGACHANDRAN
RAHULAMATHAVAN ON
25.10.2023



GUEST LECTURE ON
THEORY OF
COMPUTATION BY
DR.PRITHI SAMUEL ON
21.10.2023



GUEST LECTURE ON
ARTIFICIAL
INTELLIGENCE BY
DR.K.SATHIYAMURTHY
ON 13.10.2023

GUEST LECTURE



GUEST LECTURE ON GOOGLE
CLOUD COMPUTINNG
FUNDAMENTALS BY
DR.R.MANOHARAN ON
13.10.2023



GUEST LECTURE ON DESIGN AND ANALYSIS OF ALGORITHAM BY DR.N.SIVAKUMAR ON 13.10.2023



GUEST LECTURE ON BACKEND ADMINISTRATIVE TOOLS FOR FULL STACK DEVELOPERS BY MR.HARINARAYANAN ON 4.11.2023

GUEST LECTURE



TRAINING

Aptitude training program Aptitude training program

Al training Program

M/S.INFOSYS LTD

III YEAR A,B,C

STUDENTS:40

07.08.2023 to 12.08.2023

2021-2025

M/S. SMART TRAINING RESOURCE LTD

II YEAR A,B,C,D STUDENTS:185

> 16.08.2023 to 18.08.2023

2022-2026

M/S. SMART TRAINING RESOURCE LTD

II YEAR A,B,C,D STUDENTS:185

> 22.08.2023 to 25.08.2023

2022-2026



TRAINING

TOFEL EXAM TRAINING-PHASE II

M/S. SMART TRAINING RESOURCE LTD

III YEAR A,B,C STUDENTS:190

04.09.2023 to 07.09.2023

2021-2025

Aptitude training program

> M/S. SMART TRAINING RESOURCE LTD

III YEAR A,B,C STUDENTS:190

25.09.2023 to 26.09.2023

2021-2025













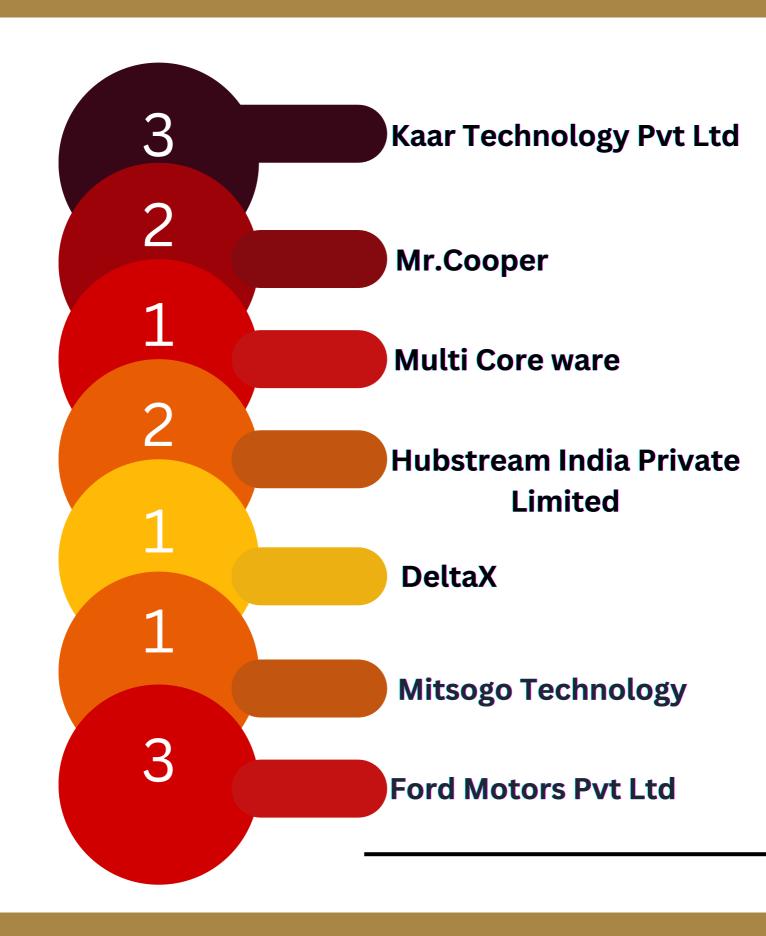


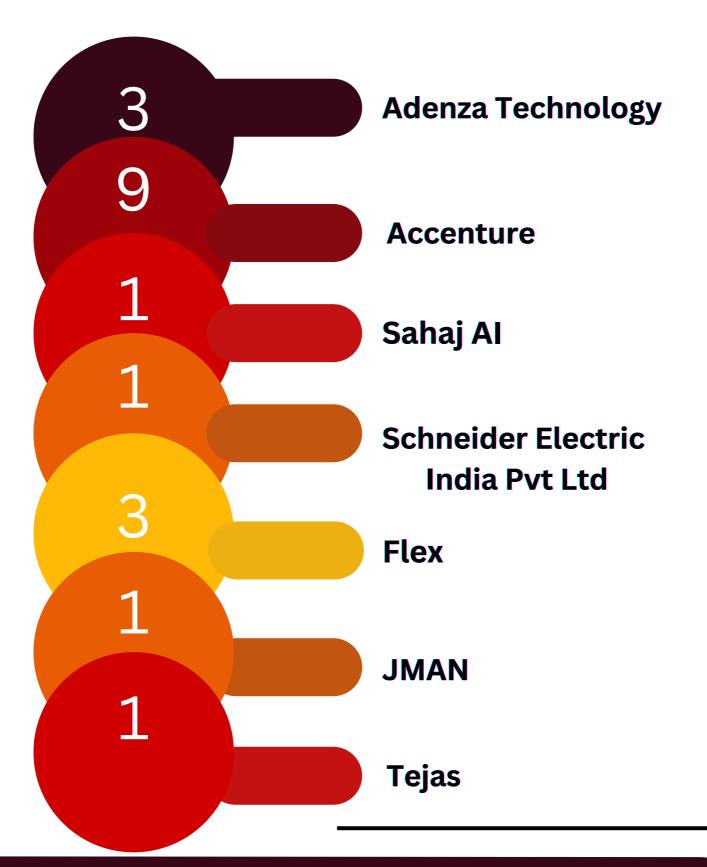








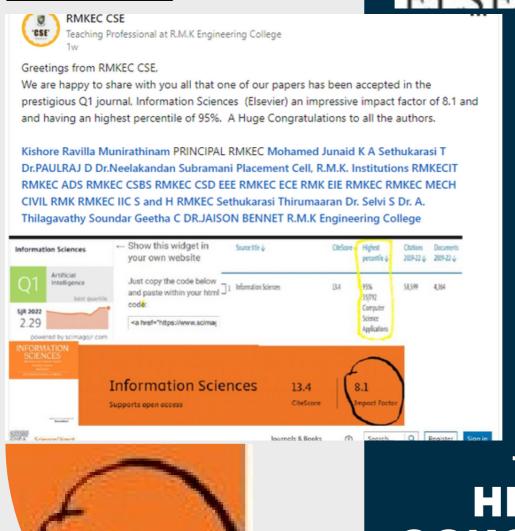




MAXIMUM SALARY OFFERED-13 LPA

LASTEST UPDATES OF PUBLICATION





8.1 Impoct Factor

HEARTY CONGRATS TO ALL THE AUTHORS

PUBLICATIONS

Dr. Paulraj D ,Secure Internet of Medical Things (IOMT) based on ECMQV-MAC Authentication Protocol and EKMC-SCP Blockchain Networking, Information Sciences, 0020-0255/Vol.654, November-23.

<u>Dr. Geetha C.Analysis</u> of Friction and Dry Sliding Wear Characteristics of Nano-Aluminium Metal Composite Using Machine Learning Through Linear Regression Algorithm, 4th International Conference on Smart Electronics and Communication (ICOSEC),https://doi.org/10.1016/j.triboint.2022.107527,November-23.

<u>Dr. Neelakandan</u> S, Slime <u>Mold</u> optimization with hybrid deep learning enabled crowd-counting approach in video surveillance, Neural Computing and <u>Applications Neural</u> Computing and Applications, https://doi.org/10.1007/s00521-023-09083-x, November-23.

<u>Dr. Neelakandan S. Autism</u> spectrum disorder detection and classification using chaotic optimization based Bi-GRU network: An weighted average ensemble <u>model Science</u> Direct / Expert Systems with Applications https://doi.org/10.1016/j.eswa.2023.120613,Nov-23.

<u>Dr.Paulraj D.Dynamic</u> provisioning of virtual machine using optimized bit matrix load distribution in federated cloud Journal of Intelligent & Fuzzy Systems, 1875-8967, pp1-15, October-23.

<u>Dr. Neelakandan S. Reinforcement</u> Learning-Based Multidimensional Perception and Energy Awareness Optimized Link State Routing for Flying Ad-Hoc <u>Networks Mobile</u> Networks and Applications 1572-8153, October-23.

Dr. Neelakandan S,A novel WGF-LN based edge driven intelligence for wearable devices in human activity recognition. Scientific Reports Vol.13 - 17822 (2023),October-23

<u>Dr. Geetha C.Telemedical</u> Robot Using <u>JoT</u> with Live Supervision and Emergency Alert 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN) 10.1109/ICPCSN58827.2023.00223,<u>Oct</u>-23.

<u>Dr. Abithakumari, Enhancing</u> Campus Safety: A Comprehensive Approach with <u>IoT</u> and <u>OpenCV</u> Technology 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), ISBN:979-8-3503-0089-5,Oct-23.

<u>Dr. Neelakandan S. Deep</u> learning-based intelligent system for fingerprint identification using decision-based median filter, Pattern Recognition Letters 1872-7344,Oct-23.

Ms. Sajithra S, AI based Security for Cloud based Internet of Transportation Systems

4th International Conference on Smart Electronics and Communication (ICOSEC),

pp. 701-708, doi: 10.1109/ICOSEC58147.2023.10276282.,October-23.

<u>Dr. Neelakandan S. Deep</u> Learning-Based Wildfire Image Detection and Classification Systems for Controlling <u>Biomass International</u> Journal of Intelligent <u>Systems Vol.</u> 2023, September-23.

Mr. <u>Kirubakaran D.PoBTx</u>(Proof of Block and Transaction): An Efficient Consensus Algorithm for <u>IoT</u> Business Blockchain,2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS),979-8-3503-2579-9.

PUBLICATIONS

<u>Dr. Neelakandan S. An</u> Efficient WBC Cancer Cells Prediction Using Dense Net Algorithm 2023 International Conference on Applied Intelligence and Sustainable Computing (ICAISC) 979-8-3503-2379-5, August-23.

Dr. Neelakandan S. Forecasting of E-Commerce System for Sale Prediction Using Deep Learning Modified Neural Networks, 2023 International Conference on Applied Intelligence and Sustainable Computing (ICAISC),979-8-3503-2379-5. August-23.

Dr. Neelakandan S. Forecasting Electricity Price using Convolutional Neural Networks with Chicken Swarm Optimization Algorithm, 2023 International Conference on Applied Intelligence and Sustainable Computing (ICAISC), 979-8-3503-2379-5, August-23.

<u>Dr. Neelakandan S. Extreme</u> Gradient Boosting based <u>Fetal</u> Health Classification, 2023 International Conference on Applied Intelligence and Sustainable Computing (ICAISC), 979-8-3503-2379-5, August-23.

Dr. Renuga devi R Intellectual Design of Bomb Identification and Defusing Robot based on Logical Gesturing Mechanism, 2023 International Conference on Advances in Computing, Communication and Applied Informatics, 979-8-3503-1590-5, August-23.

<u>Dr. Renuga devi R.An</u> Intelligent Light Assisted Wireless Vehicle Communications using Visible Light Communication, 2023 International Conference on Advances in Computing, Communication and Applied Informatics, 979-8-3503-1590-5, August-23.

Ms. <u>Bharathi B. Cloud</u> Security Analysis Using <u>Blockchain</u> Technology, 2nd International Conference on Edge Computing and Applications ,ISBN:979-8-3503-4757-9: Page No:99-104, August-23.

<u>Dr. Geetha C.Energy</u> Efficient Routing Algorithm with Mobile Sink Assistance in Wireless Sensor Networks International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI) 979-8-3503-1590-5, <u>August-23</u>.

<u>Dr. Neelakandan S. Ootimal</u> transfer learning based nutrient deficiency classification model in ridge gourd (Luffa acutangula), Scientific Reports, Vol. No 13, 14108, August - 23.

<u>Dr.</u> Lakshmi <u>Haritha Medida, An</u> Advanced Auditory Response For Object Detection Using Deep Learning 2nd International Conference on Edge Computing and Applications ICECAA 2023,979-8-3503-4757-9, August-23.

Ms. <u>llampiray P. Fish</u> The <u>Phish European</u> Chemical Bulletin, 2063-5346, Volume -12, issue-10: Page: 5867-5873, Aug-23.

<u>Dr. Paulraj D. Reactive</u> Fault Tolerance aware Workflow Scheduling Technique for Cloud Computing using Teaching Learning Optimization Algorithm, 2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT), 978-1-6654-9360-4, July-23.

Dr. Abithakumari An Efficient Methodology for Detecting Malicious Nodes in Cognitive Radio Networks Wireless Personal Communications, 131:3089–3099 https://doi.org/10.1007/s11277-023-10603-0,July-23.

Ms.K.Ramyadevi, DEEP TRANSFER LEARNING BASED REALTIME FACE MASK DETECTION SYSTEM WITH COMPUTER VISION, Multimedia Tools and Applications, 10.1007/s11042-023-16192-1, July-23.

Mr.M.P.Karthikeyan, Towards developing an automated technique for glaucomatous image classification and diagnosis (AT-GICD) using neural networks, International Journal of Information Technology https://doi.org/10.1007/s41870-023-01313-8, July-23.

Dr. Naveen Raju D,MULTI-PARAMETER SENSOR BASED AUTOMATION FARMING, E3S Web Conf. International Conference on Newer Engineering Concepts and Technology (ICONNECT-2023) Volume 399, 2023, July-23.

Ms. Ilampiray P, Video Transcript Summarizer, E3S Web Conferences, Volume 399, 2023, Pg. No:11, July-23.

Dr. Geetha C.Autism spectrum disorder detection and classification using chaotic optimization based Bi-GRU network: An weighted average ensemble model Expert Systems with Applications Volume 230, July-23.

Dr. Thilagavathy A Semantic-Based Classification of Toxic Comments Using Ensemble Learning, E3S Web Conf., Volume 399, 2023, July-23.

END OF THE NEWSLETTER



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