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**List of Applied Research Articles/ Books / Book Chapters /
Presentations / Guest Lecturers /Reviewers & Session Chairs /FDPs**

EMPID:1146

I. Research Articles

1. **G.NagaRamaDevi**;Pasam Naga Kavitha;Sridevi Chitti;Gudlanarva Sudhakar; A.Lakshmanarao ; G.Mahalakshmi. **ZTXPlainAI an explainable deep learning framework for encrypted traffic anomaly detection in Zero Trust Networks**, Discover Computing, Contributors: 2026 |Journal article| Part of ISSN: 2948-2992 | DOI: 10.1007/s10791-026-10097-x | Page No: 1-43
2. **G. Naga Rama Devi** ; Naga Anuradha ;Y. Alekya Rani;Prabhakar Marry; Shreekanth Salotagi;Dara Rajesh Babu;Pannangi Naresh* ;Elicherla Sivananda Lahari Reddy.**Secure and Adaptive Routing in Wireless Sensor Networks Using Meta-Router and TGAT-TrustChain**,|2025|Journal article|Mathematical Modelling and Engineering Problems 12(11) | Page No:4000-4006 | DOI: <https://doi.org/10.18280/mmep.121126>.
3. **G.Naga Rama Devi**;Rangaraj Mohandas;Ramesh Babu P; R senthamil Selvan.**An optimized dual temporal gated multi-graph convolution network based danial of service attack distribution detection in cloud computing**, IJBIC 2025 |vol:26,no:4 | DOI:10.1504/IJBIC.2024.10069266 | Page No:207-219.
4. **Dr.G.Naga Rama Devi**; Dr.Dileep Reddy Bolla; ManjuPreetham Kuntamukkala; Pooja E. Sakunde; Basi Reddy.A ;Dr.R.Senthamil Selvan , Dr.Gopinath S, **Machine learning with IOT based email phishing detection**, Choppa Ananda Kumar Reddy, Q4-Journal:Communications on Applied Nonlinear Analysis | ISSN: 1074-133X Vol 32 No. 3s (2025) | Page No : 479-486 | <https://doi.org/10.52783/cana.v32.2686>
5. **G. Naga Rama Devi**; S. Selvakanmani ;Ashreetha B ;Shubhrojit Misra,Jayavadivel;Suresh Babu ;Perli .**Deep learning approach to solve image retrieval issues associated with IOT sensors.Q2-Journal:Measurement sensors**. <https://doi.org/10.1016/j.measen.2022.100458> | ppno :100458 | 2022.
6. **G. Naga Rama Devi** ;B. Raviprasad * ;Chinnem Rama Mohan ; R. Pugalenthid;C. Manikandan ;Sivakumar Ponnusamy .**Accuracy determination using deep learning**

technique in cloud-based IoT sensor environment |Q2-Journal:Measurement sensors.
<https://doi.org/10.1016/j.measen.2022.100459> | PP No :100459 |2022

7. **G. Naga Rama Devi;**VellianGiri. **A Hybrid Crypto Techniques for Secured Multimedia Big Data Content Protection System (SMBDCPS)**|published on July-2021,Q4-International Journal of e-Collaboration IGI global |Volume 17| Issue 2| DOI: [10.4018/IJeC.2021040101](https://doi.org/10.4018/IJeC.2021040101). | ppno : 1 -21
8. **G. Naga Rama Devi;** Premkumar, M.; Sowmya, R. **Design and Implementation of Brick Making Machine Integrated with Smart IIOT Application** | IJCDS | DOI: <https://dx.doi.org/10.12785/ijcds/090311> | vol-9(3) | pp. 471–481 |ISSN: 2210-142X |2020
9. **G.Naga Rama Devi;**V.Lokeswara Reddy; Prakash A; Coumaressin T; Begum S.F; Vijendra Babu D. **Facial Recognition Based Upon the domestic Security System Using IOT .** | JNPGT 2021 | issue 9| Volume 10| Page no: 1-4
https://www.scitechnol.com/peer-review/facial-recognition-based-upon-the-domestic-security-system-using-iot-G2sL.php?article_id=17179

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10. **G Naga Rama Devi;** V Rama Raju*.**Improving breast-cancer diagnostics: A study using AI-ML with computational prognostics and feature extraction.** Volume : 10 | Issue : 4 | Year : 2024 | pp no : 216-225 | <https://doi.org/10.18231/j.ijn.2024.045>
<https://ijnonline.org/archive/volume/10/issue/4/article/5947#article>
11. **G Naga Rama Devi*;**V Rama Raju. **Significancy of human motor tasks during dual gate execution for uncovering Parkinson disease early.** Volume : 10 | Issue : 3 | Year : 2024. | ppno : 157-163 | <https://doi.org/10.18231/j.ijn.2024.034>
<https://ijnonline.org/archive/volume/10/issue/3/article/5936#article>
12. **G Naga Rama Devi;**V Rama Raju1,2,3*. **Can the high-precision ultrasound -Sographic system be a predictable diagnostic tool for diagnosing parkinson's cross-sectional area (CSA) of vagal nerve .**Volume : 10 | Issue : 4 | Year : 2024|pp no : 197-203| <https://ijnonline.org/archive/volume/10/issue/4/article/5944#article> |
<https://doi.org/10.18231/j.ijn.2024.042>
13. **G.Naga Rama Devi;**J.Divya Lakshmi; S. Bala Kumari; Deepa Nair;; Dr.Syed Khasim;K Srinivasulu . **Stress And Behavioral Analysis Of Employees Using Statistical And Correlation Methods**|IJAS-2021(ISSN:2008-8019) |Vol 12| Issue 01, 2021 | pp:275-281
14. **Dr.G.Naga Rama Devi;**Dr.Mallikarjun PY; Kopal Hiren Dekate; Dr.Ashok Kumar Koshariya;Dr.Renuka Sagar; K Srinivasulu. **Factor Influencing Economic Growth Of Online Food Ordering And Delivery Application During Covid-19.** | IJAS (ISSN:2008-8019) | Vol 12 | Issue 01, 2021 |pp:242-249

15. **Dr.G.Naga Rama Devi;** Dr.A.M.Saravanan;Dr.Monika Bhatnagar; Ajay Kumar Chauhan; Dr.Kalaivani Ramanathan; Purnendu Shekhar Pandey . **Secured Wireless Connectivity With Machine Learning Optimized Flawless IOT | IJAS**(ISSN:2008-8019) | Volume 12| Issue 02, 2021 |pp:1701-1711
16. **Dr.G.Naga Rama Devi;** Dr.K. Sathish Kumar; Anindita Saha; L Chandra Sekhar Reddy;Dr.Bazani Shaik; Dr.P.Vishnu Raja. **Analyzing Employer and Employee relationship using Data Mining interpolation and Prediction.** IJAS (ISSN:2008-8019) | Vol 12| Issue 02, 2021| pp;2052-2061
17. **G.Naga Rama Devi;**Sivakumar Ponnusamy;Jyotsna Pandit; B. Buvaneswari; Suhana Nafais A;Sushma Jaiswal, **Development Of Medicinal Industries In Building A Replica To The Damaged Human Tissue For Artificial Organs With The Application Of Micro- And Nano Technology (MNT).** JOURNAL OF OPTOELECTRONICS LASER | ISSN:1005-0086 | Volume 41 | Issue 3 | 2022 | <http://gdzjg.org/index.php/JOL/issue/view/20> | **pp:79-83**
18. **Dr.G.Naga Rama Devi;**NavyaArvini PG scholar(M.Tech).**Collectively-obsessed know-how-base Prefetching in transportable online shared network** , International Journal of Management, Technology And Engineering (IJMTE) | Volume IX, Issue VI | JUNE 2019 | ISSN NO : 2249-7455 | pp:3603-3608
19. **Dr. G. Naga Rama Devi;**B.Nanda Kishore; PG Scholar(MTech).**Privacy Preserving using KP-ABE Technique in Cloud Computing.** (IRJET) e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 03 Issue: 08 | Aug-2016, ISO 9001:2008 Certified Journal, Impact Factor value: 4.45 |pp:783-785
20. **Dr. G.Naga Rama Devi ;**B yasasvi PG Scholar(MTech).**Secure and Energy Routing Protocol with situation aware for Wireless Sensor Networks,** (IRJET), e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 03 Issue: 07 | July-2016, ISO 9001:2008 Certified Journal |,Impact Factor value: 4.45 | pp:749-752
21. **Dr. G. Naga Rama Devi;**O.Deepa PG Scholar (M.Tech). **Providing End to End Data Security in Wireless sensor networks** (IRJET), e-ISSN: 2395 -0056, p-ISSN: 2395-0072, Volume: 03, Issue: 07 | July-2016. ISO 9001:2008 Certified Journal, Impact Factor value: 4.45 | pp:2262-2265
22. **G.Naga Ramadevi;**Dr.K.UshaRani ; Dr.D.Lavanya. **Evaluation of Classifiers Performance using Resampling on Breast Cancer,** IJSER-2015 | Volume 6 | Issue 2| ISSN 2229-5518 | pp:200-207
23. **G.Naga Ramadevi,** Dr.K.UshaRani ; Dr.D.Lavanya, **Importance of Feature Extraction for Classification of Breast Cancer Datasets-A Study,**(IJSIMR) | Volume 3 | Special Issue 2 | July-2015 | pp: 763-768 | ISSN 2347-307X(Print).

24. **G.Naga RamaDevi.** **Comparative Study on Machine Learning Algorithms Using WEKA.** (IJERT) | Volume 2-Issue-15| pp:102-113 | NCDMA-2014 | ISSN: 2278-0181. DOI : [10.17577/IJERTCONV2IS15044](https://doi.org/10.17577/IJERTCONV2IS15044) | pp:102-113
25. **G.Naga Ramadevi** ;Dr.K.UshaRani. **Study on Dimensionality Reduction Techniques and Applications,** (IJPAPER)| Volume 04 | Special Issue-01,2013 | ISSN: 2230-8547 | e-ISSN: 2230-8555 | pp:134-140

II.Conferences IEEE/Springer

26. **G. Naga Rama Devi**;UG scholars:R. Sreeprada; K. Srilaya; S. Akshitha; K. Chandana, **DeepLearning based Multi Architecture Framework for Pulmonary Disease Detection using Chest X-Ray and CT Scan**| ICOECA 2026| DOI: [10.1109/icoeca68095.2026.11485565](https://doi.org/10.1109/icoeca68095.2026.11485565) | pp:517-525
27. **G.NagaRamaDevi**;Manthena Swapna Kumari;Balajee Maram, Ravula Rajashekhar, Alok Misra, SathishkumarVE. **DeepLearning-Based Image Super-Resolution: A Hybrid Approach Integrating CNNs and GANs** |ICASST-2026 | Conference paper| DOI: [10.1109/icasst68917.2026.11484389](https://doi.org/10.1109/icasst68917.2026.11484389)
28. **G.NagaRamaDevi**; Balajee Maram; Kattamuri Venkata ChandraSekhar; Ravula Rajashekhar; Alok Misra; Sathishkumar V E. **Reinforcement Learning-Based Treatment Recommendation Systems for Infrequent Metabolic Disorders.** ICASST-2026. | DOI: [10.1109/icasst68917.2026.11484520](https://doi.org/10.1109/icasst68917.2026.11484520) |
29. **G. Naga Rama Devi**; Balajee Maram; M. Srinivas; G. Narasamma; Venkata Srividya Kota; Dorashetty Karthik.**Accident Detection and Alert System Using Deep Learning** | 10th International Conference on Research in Intelligent Computing in Engineering RICE-2026 | Conference paper|DOI: [10.1109/rice67503.2025.11439988](https://doi.org/10.1109/rice67503.2025.11439988) | pp:1-8
30. **G. Naga Rama Devi**;UG scholars: Veeramally Sanjana; Sandra Rahul; Vamsi Kamtam; Chandippa Tejaswi. **SafeSign: A Multi-Level Forgery and Deepfake Detection System for Images, Videos, and Handwritten Signatures**| pp: 1504-1512. | ICEARS2026. DOI: [10.1109/ICEARS67481.2026.11416587](https://doi.org/10.1109/ICEARS67481.2026.11416587)
31. **G. Naga Rama Devi**;M Jayasunitha; T. Venkata Naga Jayudu; N. Roopa; M Venkateshwar Rao; N Kirankumar.,**Reinforcement learning –based deep Q-network traffic routing for IOT enabled smart networks with QoS constraints**|ICISS 2026|DOI: [10.1109/iciss67859.2026.11453626](https://doi.org/10.1109/iciss67859.2026.11453626) | pp : 589-594
32. **G.Naga Rama Devi**; Sivananda Lahari Reddy Elicherla; P. Narasimhaiah; Polumati Suvarna Pushpa; Ravikiranreddy Kandadi; P.Naresh. **An Ensemble-based Multi-Model Framework for Automated Disease Identification in Medical Images**| ICSCSS 2025 | DOI: [10.1109/icscss64956.2025.11500921](https://doi.org/10.1109/icscss64956.2025.11500921) | pp : 1473-1479.
33. **G. Naga Rama Devi**;D. K. Shareef; T. Shakeel;E. Hariprasad; A. Naresh; N. Venkatesh Gangabathula, **Integrating Federated Learning in Quantum Computing for Secure and**

Scalable Model Training. 2025 4th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA), Tirupur, India, 2025| pp.: 163-168| doi: 10.1109/ICIMIA67127.2025.11200828.

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35. **G Naga Rama Devi;** Mucha Swetha; A Lakshmanarao; P Anand Kumar; M Kalidas; Naladi Ram Babu. **Enhanced Migraine Diagnosis using ADASYN-based Balancing and Cluster-Assisted Feature Augmentation**,ICCMC-2025|pages:1409-1414| DOI: [10.1109/ICCMC65190.2025.11140592](https://doi.org/10.1109/ICCMC65190.2025.11140592) |
36. **G.Naga Rama Devi;** [at.el.](https://www.at-ei.com/), **Advanced Segmentation Models for Identifying Genetic Disorders in Facial Phenotypes using Deep Learning And U-Net++ Architecture.** Proceedings of the 9th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC-2025),DVD Part Number: CFP25OSV-DVD; ISBN: 979-8-3315-7472-7 .|pp:1001-1006
37. **G.Naga Rama Devi;** Bejjam. Kiranmai; Macharla. Manisha; Chaduvu. Praveena; Pinniboyina Prashanth;Pillalamarri Sai Kumar. **Optimizing Agriculture using Machine Learning Techniques.** 2nd World Congress on Smart Computing(WCSC2025), Organized by School of Engineering, Babu Banarasi Das University, Lucknow, India,Technically Sponsored by Soft Computing Research Society, Conference held on February 22-23, 2025,BBD University
38. **G. Naga Rama Devi;**Suwarna Gothane ; K. Reddy Madhavi ;J. Sasi Kiran;P. Dhana Lakshmi;Naheed Sultana. **Stock market price prediction using sentiment Analysis.**|ICMEET2003|pp-261-268|vol-1155| DOI:https://doi.org/10.1007/978-981-97-0644-0_24
39. **G. Naga Rama Devi;** N. S. Charan;J. Sasi Kiran; J. Avanija; Avala Raji Reddy; Tabeen Fatima. **Early Prediction of Sepsis Utilizing Machine Learning Models**|pp: 319–327| vol-370|FICTA2023|DOI:https://doi.org/10.1007/978-981-99-6702-5_27,
40. **G.Naga Rama Devi;**KP Reddy; SW Prakash; B Srinath,**DDOS attack detection method for SDN by using deep neural network**|AIP Conference Proceedings 2548 (1)|pp:050011-1 to 8 | 2023 |<https://doi.org/10.1063/5.0118429>
41. **G Naga Rama Devi;** SW Prakash; KP Reddy. **Evaluates the performance of the ensemble image filters with classifiers on image data set using WEKA .** AIP Conference Proceedings 2548 (1)|040020 -1 to 16 | 2023 |<https://doi.org/10.1063/5.0118504>.
42. **G. Naga Rama Devi;**K.B. Glory; D. Venkatesan; Chappeli Sai Kiran; Prerana Nilesh Khairnar; S. Priya, **An Effective StorageManagement for UniversityLibrary Using Weighted K-Nearest Neighbor Algorithm.** 2022 IEEE North Karnataka Subsection FlagshipInternational Conference (NKCon)| DOI:[10.1109/NKCon56289.2022.10126745](https://doi.org/10.1109/NKCon56289.2022.10126745)
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44. **G. Naga Rama Devi;**Brijendra Gupta; C. Chethana; Subbiah Swaminathan; S. Sharanyaa; Anuradha Thakare; **Neural Network Approach to Human Brain by Reverse Engineering** (MysuruCon-2022), <https://ieeexplore.ieee.org/author/37089636715>, DOI: [10.1109/MysuruCon55714.2022.9972390](https://doi.org/10.1109/MysuruCon55714.2022.9972390)

45. **G. Naga Rama Devi**;Vaibhaw Ramesh Rao Doifode; Subhashree Darshana; Selina Mishra; Sheik Faritha Begum; Y Md.Riyazuddin.**Agricultural Information System Model to Improve Crop Yield Through IoT** |MysuruCon-2022| DOI: [10.1109/MysuruCon55714.2022.9972553](https://doi.org/10.1109/MysuruCon55714.2022.9972553)
46. **Dr.G.Naga RamaDevi** ;Dr.M.JangaReddy ; Dr.D.Baswaraj..**Improve the efficiency of the Classifiers using Resample Technique on Image Segmentation Dataset** .https://doi.org/10.1007/978-981-15-1420-3_102. ICDSMLA 2019, PP:932-941.
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49. **G.Naga Rama Devi**; Ravi M;Velliangiri S . **An investigation and analysis of methods and applications of skein mining**.*AIP Conference Proceedings* 2358 | 2021 | pp: 07000-1 to 5| <https://doi.org/10.1063/5.0057936> |
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53. **G.Naga Rama Devi**; Kumar A.N.; Alagumuthukrishnan S.; **Corona Disease prediction using Traditional Machine Learning Methods** | *AIP Conference Proceedings* 2358 | 2022 | pp:10007-1 to 6| . <https://doi.org/10.1063/5.0057911>
54. **G. Naga Rama Devi**; Sandhya Makkar; Vijender Kumar Solanki. **Applications of Machine Learning Applications in Supply chain Optimization** ,ICICCT 2019. DOI https://doi.org/10.1007/978-981-13-8461-5_98 | pp: 861-869
55. **Dr.G.Naga RamaDevi** ;Dr.K.UshaRani ; Dr.D.Lavanya . **Ensemble-Based Hybrid Approach for Breast Cancer Data** | (ICCCE-2018)| https://doi.org/10.1007/978-981-13-0212-1_72 | pp: 713-720
56. **Dr. G.Naga Rama Devi**. **Emerging Trends in Big Data Analytics-A Study** (ICCCE-2018) https://doi.org/10.1007/978-981-13-0212-1_57 | pp:563-570.
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III.BOOK CHAPTER

58. **G. Naga Rama Devi**; Manthena Swapna Kumari,; Vijaykumar S.; Biradar; Manish Maheshwari; Subramanian Selvakumar ; Jenita Subash. Book chapter| **AI-Based Neural Network Used to Enhance the Decision-Making System to Improve Operational Performance**.ISBN:9781394335688,published: 06 June 2025.In book: Integrating Neurocomputing with Artificial Intelligence.<https://doi.org/10.1002/9781394335718.ch8>, |.pp:138-153.
59. **G. Naga Rama Devi**; Syed Naimatullah Hussain; R. Senthamil Selvan; Basi Reddy Avula; T. Meeradevi. **Deep Learning Models to Evaluate Pharmaceutical Formulation, Demystifying Emerging Trends in the Digital Horizon**,2026-04-06 | DOI: [10.2174/9789815324488126040029](https://doi.org/10.2174/9789815324488126040029) | Part of ISBN: [9789815324488](https://doi.org/10.2174/9789815324488126040029) |Book Chapter
60. **G.Naga Rama Devi**; B. Kiran Mai; Macharla Manisha; Chaduvu Praveena; Pinniboyina Prashanth; Pillalamarri Sai Kumar, **Optimizing Agriculture Using Machine Learning Techniques**.Studies in Smart Technologies,2026-04-01 | Book chapter .DOI: [10.1007/978-981-95-0183-0_32](https://doi.org/10.1007/978-981-95-0183-0_32).
61. **G.Naga Rama Devi** ;B. Kiranmai; Athary Tiwarii; K. Ramalakshmi;B. Jyoshna; B. Suvarnamukhi. **GEV of Oryza Sativa height and yield using machine learning techniques**,Integrated Technologies in Electrical, Electronics and Biotechnology Engineering Volume 1,2026-03-19 | Book chapter,DOI: [10.1201/9781003781011-64](https://doi.org/10.1201/9781003781011-64), Part of ISBN: [9781003781011](https://doi.org/10.1201/9781003781011).
62. **G. Naga Rama Devi**; K.R. Kanagavalli; Desu Manikantha;N. Deepa Rekha Suresh; Basi Reddy; R. Senthamil Selvan, **AI algorithm to optimize the oil and gas energy-based cities: Comparative evaluation**, Published by Taylor and Francis.book Chapter. Book name: Computer Science Engineering, Proceedings of the 1st International Conference on Computing and Intelligent Information Systems (ICCIIS 2024)| Volume 1|Pages 764 DOI: <https://doi.org/10.1201/9781032711157>

IV-UGC Care Journals

63. **G. Naga Rama Devi**; UG scholars: Gadwala Vasavi; Kuchuru Laxmi Sangeetha Reddy; D. Sai Madhulika; S. Mohana Shiva Krishnam Raju. **Air Pollutant Prediction Using Ensemble Deep Learning Techniques**. DOI:16.10089.IJMTE.2024.V14I8.24.524009, Volume XIV | Issue VIII | August – 2024 | Page no : 82-89.
64. **Dr.G.Naga Rama Devi**,UG scholars:Pothireddy Sushma Reddy, Raparthi Sai Varun, Salveru Astritha.**SKIN CANCER IMAGE CLASSIFICATION USING DEEP LEARNING** .Industrial Engineering Journal : ISSN 0970-2555|Volume : 53| Issue 5, No.11| May : 2024|UGC Care Approved, Group I, Peer Reviewed Journal,with IF=6.82 |pp 132-140.
65. **Dr.G.Naga Rama Devi**, UG scholars:Konamoni Pravallika,Mudunuri Sai Nikhil Varma,Pooja Tiwari,Guttula Amaresh.**TIME-BASED ACCESS MANAGEMENT FOR VACCINE SAFETY USING BLOCKCHAIN TECHNOLOGY**,Industrial Engineering Journal : ISSN 0970-2555 | Volume : 53, Issue 8, No.1| Augusts : 2024|UGC Care Approved, Group I ,Peer Reviewed Journal, with IF=6.82 |pp:31-39

66. **Dr.G.Naga Rama Devi**;UG scholars: Sai Gagan Perepi,; Sangeetha Avula,; Praveen Thatipelli,; Likhitha Gundapaneni. **DEEFAKE FACE DETECTION AND IDENTIFICATION USING DEEP LEARNING APPROACH**. journal of Maharaja Sayajirao university of baroda |Volume 58 1(VI) 2024 |ISSN-0025-0422 | UGC Care Group 1 journal.2024.|pp:71-78

V. Membership IDs

Membership ID	Name
LM 116665 (2017)	ISTE(INDIAN SOCIETY FOR TECHNICAL EDUCATION)
323064 (2022 NOV 3)CMRCET	IAENG(INTERNATIONAL ASSOCIATION OF ENGINEERS)
IEEE-women Engineering	19-jun-2024 & 31-12-2026 member no: 100345195 order no: CH1-8G68O4E
ISDSA Academy	2024100185XV membership valid till 31.12.2026 Membership ID: 8691
392259 (16 October 2024)Sreyas	IAENG

VI Academic Publication IDs

Academic Publications	IDs
Google Scholar	d9xBsgQAAAAJ
Scopus Author ID	58038898300
Semantic ScholarID	93462
ORCID	0009-0008-0857-673X
Web of Science ResearcherID	OLQ-1965-2025
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/694448

VII Indian and Australian Patents

<u>Indian Patents</u>				
Sno	Patent Name	Affiliation	Year	Status:Published & Grant
1	System and Method for selecting the Base Station in world wild interoperability for Microwave Access Network.	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad- Vikas Asawat vsasawat@gmail.com 9915231179, 9461084126	2019	Published on 6/9/2019 File number: 201941035228 . Publication Number:36/2019
2	System and Method for Selecting Access Point among Available Access Points for Handoff Operation.	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad- Vikas Asawat vsasawat@gmail.com 9915231179	2019	Patent Application Number: 201941038158 Publication Number: 39/2019 Publication Date (U/S 11A): 27/09/2019
3.	System and Method for selecting a parent node among a plurality of available parent nodes.	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad- Vikas Asawat vsasawat@gmail.com vsasawat@yahoo.co.in 9915231179 9461084126 IN/PA No. 1407	2019	Patent Application Number: 201941040619 Publication Number: 41/2019 Publication Date (U/S 11A): 11/10/2019
4.	Method for managing the uplink radiation and energy consumption of 5G Mobile.	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad- nandanaravishankar@gmail.com 9842647425	2020	Patent Application Number: 202041009329 Publication Number: 11/2020 Publication Date (U/S 11A): 13/03/2020.

5.	A CONTINUOUS NON-RADIATIVE ELECTRICAL IMPEDANCE TOMOGRAPHY COMPUTATION SYSTEM FOR NEONATAL BRAIN CARE	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Application no: 202141021560 TEMP/E-1/23954/2021-CHE. Date/Time 2021/05/12 22:31:21 published on 11/6/2021
6	Artificial Intelligence Based critical patient Urine water Decomposed using IOT	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad- Alugumutthu	2021	Application no: 202141054135 Date of filling:24/11/2021 published on 10/12/2021
7.	Smart IOT based System for home Automation System	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad	2022	Application no: 202241032949 Published on:17/6/2022
8	License plate Recognition with an Intelligent camera	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2022	Design patent Copyright patent Diaryno:12110/2022-CO/L design patent no: 347383-001 filling-5/8/2021 date of issue 4/10/2021 https://search.ipindia.gov.in/De signApplicationStatus https://www.lexgin.com/design -application-status-check/
9	IoT and cloud based Smart women protection and security system with alert message or call to the control in voice sensing or recognizing the keywords or emotional words	CMR College of Engineering and Technology Kandlakoya Medchal Hyderabad	2022	Date of publication:09/12/2022 Application no: 202241070141 TEMP/E-1/80724/2022-CHE
10	Machine Learning and IoT based device to detect the Stress/happiness of Lecturers in Working Environment like institutions, colleges, University etc.	CMR College of Engineering and Technology Kandlakoya Medchal Hyderabad	2023	Date of publication:24/03/2023 Application no: 202341016738

11	Efficient & Robust Method for Detection and Identification of Breast Cancer Using Machine Learning and Deep Learning Techniques and Classify its stages	CMR College of Engineering and Technology Kandlakoya Medchal Hyderabad	2023	Application No 202341032268 filled date:7/5/2023 published on 7/7/2023
12	AI-Machine learning based early detection of neuro functional disorders like Autism,Alzhim, tumors using strong deep learning algorithms Ann/CNN among children	Sreyas Institute of Engineering and Technology	2023	filled Application number 202341086080 Temp/E-1/68900/2023 filed date: 16/12/2023 published on:12/1/2024
13	Systems and methods of image classification based on semi-supervised deep learning	Sreyas Institute of Engineering and Technology	2024	Application no:202441005576 filling date:28/1/2024 published date:9/2/2024
14	Systems and methods of ultra-high compression of MRI-Images based on deep learning	Sreyas Institute of Engineering and Technology	2024	Application no:202441007883 filling date:5/2/2024 publication date:8/3/2024
15	A Deep Learning Approach for early Diagnosis of Breast Cancer using Histopathological Images	Sreyas Institute of Engineering and Technology	2025	Application no:202441100206 filling date:18/12/2024 publication date:03/01/2025
16	Edge Computing-Based Wearable Navigation System for Elderly and Visually Impaired	Sreyas Institute of Engineering and Technology	2025	Application no: 202541003874 Date of Publishing: 24/1/2025
17	Artificial Intelligence Based tool for Automated analysis of Histopathological images in cancer diagnosis	Sreyas Institute of Engineering and Technology	2025	Published on 22/8/2025 Application no: 202541075012 Naresh
18	AI-powered early warning system for malignant tumor identification and patient sentiment tracking	SR university	2026	202641027225 Published on 3/2026

19	IoT driven real-time breast cancer identification and classification using deep learning image recognition	SR university 2026	2026	202641027222 Published on 3/2026
20	An Explainable deep learning framework for brain tumor classification and prediction using MRI imaging	Sreyas Institute of Engineering and Technology 1 . Venkata Sandeep Dhullipalla 2 . Dr. N.N.S.V Rama Raju 3 . Dandu Madhavi Latha 4 . Dr. G Rajitha Devi 5 . Dr.G. Naga Rama Devi	2026	202641045183 Published date: 24/4/2026
21	Automated content moderation tool for social media platform using Natural language processing and machine learning	Sreyas Institute of Engineering and Technology naresh	2026	202621058511

Australian Patents: Granted

1	A CNN based model for disease classification using high temporal and spatial resolution images of simultaneous EEG-MRI(8TH POSITION)	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2020	ApplicationNumber: 2020103304 Publication Number: 11/2020 submission Date : 7/11/2020 Granted on 23/12/20
2	Noisy-text prediction large volume clinical data using reinforcement learning (4TH PLACE)	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2020	ApplicationNumber: 2020103756 Publication Number: 11/2020 Publication Date : 29/11/2020 Granted on 27/1/21
3	A RNN based Spatio Temporal Data Mining model for urban road planning(10T POSITION)	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2020	ApplicationNumber: 2020104112 Publication Number: 12/2020 Publication Date : 15/12/2020 Granted on 17/2/2021
4	A Scientific model for predicting change in rainfall using climate raster(2ND POSITION)	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Application no: 2021100001 Applied date: 01/01/21 Granted on 3-3-21
5	GPS data spoofing and malfunctioning detection system using classifiers	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Application no: 2021100964 Applied date: 22/02/2021 Granted date: 14-4-2021

6	DEDICATED FUNCTIONAL AREA FOR LEG OPERATED COMPUTER INTERACTIVE DEVICE FOR HANDLESS PEOPLE	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Application Number 2021101730 Date/Time submitted 05/04/2021 Published and Granted on 5/5/2021
7	NAVIGATION TECHNIQUE FOR SELF DRIVING CLEANING ROBOTS FOR CONGESTED PUBLIC LOCATIONS	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Application Number : 2021101589 submitted 28/03/2021 published and patented granted on 5-may-2021
8	INTEGRATED MULTIMODAL SENSOR SYSTEM FOR AGRI FARMS	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	your Application Number : 2021101274. Date/Time submitted 11/03/2021 Granted on 21/4/2021
9	A METHOD OF TRACKING AND MANAGING MUNICIPAL WASTES USING GEOSPATIAL TECHNOLOGY	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad-	2021	Patent number: 2021102153 Date/Time Submitted 22/04/2021 7:30 PM granted the above patent on 26 May 2021
10	THREE-DIMENSIONAL WIND, AIRSPEED CALCULATION, AND PREDICTION METHOD FOR AERIAL DRONES USING DEEP LEARNING	CMR Institute of Technology-Kandlakoya, Medchal Road, Hyderabad.	2021	patent no:2021102531 submitted date:13/05/2021 12:06 AM granted patent on 16 june 2021 http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do

VIII-NPTEL courses

NPTEL course Names	Completed Date	Duration
Python for Data Science	Nov-2019	4 weeks
Distributed Systems and Cloud Computing	Nov-2020	8 weeks
Big Data Computing	Nov-2021	8 weeks
The Joy of Computing	April 2022	12 weeks
Java Programming	April 2022	12 weeks
DataScience for Engineers	September 2022	8 weeks
Problem Solving Through Programming in C	April 2023	12 weeks
Big Data Computing	Oct 26 th 2024	8 weeks & topper
LLM Models	April 17 th 2026	12 weeks
Computer Vision and Image processing	April 26 th 2026	12 weeks

IX BOOKS Published

Book Name	ISBN No	AUTHORS	Publisher Name	Issue Date	Link
Artificial Intelligence	978-93-5757-164-7 ISBN: 9789357571647	Dr. PAYAL BANSAL, Dr. G.Naga Rama Devi, Ms Pavithra M, Dr Vivek Kumar Chpra	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE Seller: SIPH	28/03/2023	https://isbn.gov.in/Recently_Published_Books.aspx
DataMining Concepts and Technologies	978-81-19338-27-6 ISBN: 9788119338276 Publisher: AG Publishing House	Dr. Pratibha N. Atram, Dr. G. Naga Rama Devi, Dr. P M Yohan, Dr. Sk Althaf Hussain Basha	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE	19/06/2023	https://isbn.gov.in/Recently_Published_Books.aspx
Introduction of Machine learning Concepts and Algorithms	<u>Ebook reader</u> 978-81-972001-2-0 <u>Book publisher</u> 978-81-972001-5-1	Dr.G.Naga Rama Devi, K.Divya Reddy Swapna kumari Dr.B.Madhava Rao Dandu Srinivas	Libro international publishers	15/6/2024	https://libropublishers.com/index.php/product/introduction-to-machine-learning-concepts-and-algorithms-by-dr-g-naga-rama-devi-k-divya-reddy-m-swapna-kumari-b-madhava-rao-dandu-srinivas/
Foundations of Cybersecurity: A Unified Framework for Secure Distributed Systems	978-93-48908-82-7	Dr. Saritha Bantu, Dr. Sivananda Lahari Reddy, Dr. Anupama Bollampally, Dr. G. Naga Rama Devi	Pandit Publications	17/11/2025	https://isbn.gov.in/Home/ISBNSearch
AI Powered Software Testing: The Future Of Automation	978-93-48908-84-1	Mr. Panyam Aditya Sharma, Dr. Pragati Prashant Mahale, Mrs. M. Madhavi Latha, Dr. G. Naga Rama Devi	Pandit Publications	17/11/2025	https://isbn.gov.in/Home/ISBNSearch

X Session chair and Reviewer

S.No.	Event Name	Role (Attendee/Organizer/Presenter)	Venue	Date
1	International conference ICAIDS which was held on Dec-2023	Paper Reviewer	CMRTC, Hyderabad	Dec-2023
2	International conference ICICC which was held on August2024	Session chair	SIET, Hyderabad	August-2024
3	Guest lecturer	Guest Lecture on “Neural Networks and Deep Learning “ Dr. G. Naga Rama Devi Professor Dept. of CSE(Data Science) Sreyas Institute of Engg. & Tech Hyderabad	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY Department of CSE (AIML & IoT)	Date: 13-02-2025
4	ICICC 2025	Paper Reviewer	CMRTC Hyderabad	May-2025
5	International Conference on Innovations in Computing, Communication, and Sustainable Technologies organized by Department of Information Technology,	Paper Reviewer	Dr. B R Ambedkar National Institute of Technology Jalandhar ICICST 2026,	April 3rd-5th, 2026.
6	International conference on Sustainable Mathematical Modelling and Computational Techniques(SMMCT-2026)	Session Chair	SIET, Hyderabad	May-8th-9th 2026

XI Coursera ,Udemy and EDx Certificates

S no	Certificate Course Offered by	Date of Completion	Course Name	Certificate Issued University
1.	Udemy	April-30-2020	Artificial Intelligence-Getting Started with AI and ML	
2.	Coursera	03-05-2020	Cyber Security and its Ten domains	Kennesaw state University
3.	Coursera	04-05-2020	Programming for EveryBody(getting started with python)	University of Michigan
4.	Coursera	04-05-2020	AI for Everyone	deeplearning-ai
5.	Coursera	11-05-2020	Introduction to Machine Learning	Duke University
6.	EDx	08-05-2020	DeepLearning with TensorFlow	IBM
7.	Coursera	20-06-2020	Machine Learning for All	University of London
8.	Coursera	17-06-2020	Applied Machine Learning in Python	University of Michigan
9.	Coursera	17-06-2020	Introduction to Bigdata	UC San Diego
10.	EDx	03-06-2020	Machine Learning in Python -A Practical Introduction	IBM
11.	Coursera	21-07-2020	The Data Scientist's Toolbox	JOHNS HOPKINS UNIVERSITY
12.	Coursera	may -27-2021	Neural networks and Deep Learning	Deeplearning.AI
13.	Coursera	May 28,2021	Machine Learning Pipelines with Azure ML Studio	Coursera ProjectNetwork