

CIRICULUM VITAE

Prof. (Dr.) Rajendra Prasad Mahapatra

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OBJECTIVE:

Aim to be associated with a progressive organization that give me scope and my knowledge and skills in accordance with the latest trends and to be part of dynamically works towards growth of the organization and gains satisfaction thereof.

EDUCATION:

1. Ph. D in Engineering from National Institute of Technology Mizoram, India
2. Ph. D in Computer Science and Engineering from Singhania University Rajasthan, India
3. Master of Engineering in Computer Science and Engineering with first class from University of Madras, Madras, India.
4. Degree in Electrical Engineering from the Institution of Engineers (India) Calcutta.

WORK EXPERIENCE:

- Working as DEAN (CET) and Professor (CSE) at NCR Campus of S.R.M Institute of Science and technology from 4th May 2023 to till date.
- Worked as Professor and H.O.D in CSE at NCR Campus of S.R.M Institute of Science and technology from sept.2011 to May 2023.
- Worked as an Assistant Professor (S.G.) and Head of the Department in Computer Science and Engineering Dept. at SRM University, NCR Campus, India from August 2006 to August 2011.
- Worked as an Assistant Professor in Department of Computer Science at Mekelle University, Ethiopia from Nov 2004 to July 2006.
- Worked as a Lecturer in Department of Computer Science and Engineering at SRM Valliammai Engineering College, Madras, India from June 2001 to Nov 2004

PhD Awarded

- **No of PhD Scholars completed: 9**
- **No of PhD Scholars Pursuing: 8**
- **No of Patents Published: 12**
- **No of Book Published: 11**

INTERNATIONAL JOURNAL PAPER

1. Ashwani Kumar, Mohit Kumar, Rajendra Prasad Mahapatra, Pronaya Bhattacharya, Thi-Thu-Huong Le, Sahil Verma, Kavita and Khalid Mohiuddin, "Flamingo-Optimization-Based Deep Convolutional Neural Network for IoT-Based Arrhythmia Classification" Sensors MDPI, 2023, (SCI I.F. 3.847) 23(9), 4353; <https://www.mdpi.com/1424-8220/23/9/4353>
2. Nithya Rekha Sivakumar, Senthil Murugan Nagarajan, Ganesh Gopal Devarajan, Lokaiah Pullagura, Rajendra Prasad Mahapatra, "Enhancing network lifespan in wireless sensor networks using deep learning based Graph Neural Network" Physical Communication, Volume 59, August 2023, (SCI I.F. 2.379) 102076' <https://doi.org/10.1016/j.phycom.2023.102076>
3. Singh, Anjali, Marimuthu Karupiah, and Rajendra Prasad Mahapatra. "Cryptanalysis on "a secure three-factor user authentication and key agreement protocol for TMIS with user anonymity"." Cyber Security and Applications 1 (2023): 100008.
4. Tejal Tiwary, Rajendra Prasad Mahapatra "Enhancement in web accessibility for visually impaired people using hybrid deep belief network –bald eagle search" Multimedia Tools and Applications, 2023, <https://doi.org/10.1007/s11042-023-14494-y> (SCI) IF-2.577
5. Atulya Gupta, Rajendra Prasad Mahapatra" Test Case Prioritization in Unit and Integration Testing: A Shuffled-Frog-Leaping Approach" Computers, Materials & Continua , Jan 2023,(SCI 3.86)

6. Tejal Tiwary, Rajendra Prasad Mahapatra "An accurate generation of image captions for blind people using extended convolutional neural network" *Multimedia Tools and Applications*, July 2022, <https://doi.org/10.1007/s11042-022-13443-5>, pp. 1-30 **(SCI) IF-2.577**
7. Pandey, Sachi, Vijay Laxmi, and Rajendra Prasad Mahapatra. "Industry 4.0, Intelligent Manufacturing, Internet of Things, Cloud Computing: An Overview." *A Roadmap for Enabling Industry 4.0 by Artificial Intelligence* (2022): 17-29.
8. Gupta, Neha, and Rajendra Prasad Mahapatra. "Automated software effort estimation for agile development system by heuristically improved hybrid learning." *Concurrency and Computation: Practice and Experience* 34.25 (2022): e7267.
9. Neha Gupta, Rajendra Prasad Mahapatra, "Automated software effort estimation for agile development system by heuristically improved hybrid learning" *Concurrency and Computation: Practice and Experience*, Nov 2022, **(SCI) 1.831**
10. Satya Sai Srikant, Sachi Pandey, Rajendra Prasad Mahapatra, Vikas Chouhan & R B Rao, "Comminution Characters of Fault Zone Rocks and Secure Outcomes in the Blockchain Record-Keeping System for Industrial Applications", *Journal of Scientific & Industrial Research*, Vol. 81, July 2022, pp. 767-775 **(SCI) IF-0.555**
11. Biswaranjan Bhola, Raghvendra Kumar, Rohit Sharma, and Rajendra Prasad Mahapatra "Security Model for IoT-Based Smart Water Meter Billing System", *IEEE Internet of Things Magazine*, pg 59-62, June 2022.
12. Mahesh Kumar Gupta, Vinay Panwar, Rajendra Prasad Mahapatra, "Computational analysis of mechanical behavior and potential energy of thermoresponsive copper-tantalum nanoalloy" *Journal of Molecular Modeling* (2022) 28:187 **(SCI) IF-2.172**
13. Avneesh Vashistha, Chandra Mani Sharma, Rajendra Prasad Mahapatra, Vijayaraghavan M. Chariar and Navel Sharma "Sustainable Technical Debt-Aware Computing Model for Virtual Machine Migration (TD4VM) in IaaS Cloud" *Wireless Communications and Mobile Computing (Hindawi)*, 2022 April, <https://doi.org/10.1155/2022/6709797> **(SCI) IF-2.336**
14. Mahesh Kumar Gupta, Rajendra Prasad Mahapatra, Vinay Panwar "Effect of Temperature and Strain Rate Variation on Tensile Properties of a Defective Nanocrystalline Copper-Tantalum Alloy" *Journal of Scientific & Industrial Research* Vol. 81, April 2022, pp. 358-366 **(SCI) IF-0.555**
15. Senthil Murugan Nagarajan, Ganesh Gopal Deverajan, Ali Kashif Bashir, Rajendra Prasad Mahapatra, Mohammed S. Al-Numay "IADF-CPF: Intelligent Anomaly Detection Framework towards Cyber Physical Systems" *Computer Communications*, 2022, Vol 188, pp 81-89. <https://doi.org/10.1016/j.comcom.2022.02.022> **(SCI) IF=3.167**
16. Arun Kumar and Rajendra Prasad Mahapatra, "Detection and diagnosis of COVID-19 infection in lungs images using deep learning techniques" *Int J Imaging Syst Technol (Willey Publications)*, 2022;1-14. DOI: 10.1002/ima.22697 **(SCI) IF=2.12**
17. Sunil Kumar, Rajendra Prasad Mahapatra "Comparison Of Adaptive Particle Swarm Optimization And Firefly Algorithm For Analysing Inventory Cost: Application To Two Warehouse Inventory Model" *NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal (Scopus SNIP = 0.252)*, 2021, 15676-15691
18. G M Linda, N V S S R Laxmi, N S Murugan, R P Mahapatra, V Muthukumar, M Sivaram, "Intelligent recognition system for viewpoint variations on gait and speech using CNN Caps Net" *Emerald publishing Limited* 1756-378X. 2021 **(SCI) IF=1.404**
19. Rakesh Kumar Yadav, Rajendra Prasad Mahapatra, "Hybrid metaheuristic algorithm for optimal cluster head selection in wireless sensor network" *Pervasive and mobile computing. (SCI) IF=3.453* *November 2021*, <https://doi.org/10.1016/j.pmcj.2021.101504>
20. Aijun Liu, Rajendra Prasad Mahapatra, A V R Mayuri "Hybrid design for sports data visualization using AI and big Data analytics" *Complex and Intelligence Systems (Springer)*, Oct 2021, pg 1-12 **(SCI) IF=3.79**
21. Sunil Kumar, Rajendra Prasad Mahapatra, "Design of multi-warehouse inventory model for an optimal replenishment policy using a Rain optimization algorithm", *Knowledge Based systems (ELSEVIER)* IF-8.03, August, 2021 **(SCI) IF=8.038**
22. Ying Zhen, T. Maragatan, Rajendra Prasad Mahapatra, "Design and Implementation of smart home energy management systems using green energy", *Arabian Journal of GeoSciences*, 25 August 2021, **(SCI) IF=1.827**

23. R P Mahapatra, Satya Sai Srikant, Sachi Pandey, Vikas Chouhan, “ Trusted and Transparent Blockchain enabled E-waste Optimization to Recover Precious Metals with Microwave heating”, JSIR, July, 2021 **(SCI) IF-0.555**
24. He Jiang, Xiaoru Li, Rajendra Prasad Mahapatra, “Creating a Ubiquitous learning environment using IOT in Transportation” Soft Computing (Springer) SCI online 16TH August 2021 **(SCI) IF-3.643**
25. R K Yadav, Rajendra Prasad Mahapatra, “ Energy Aware cluster head selection for hierarchical routing in wireless sensor network” Computer Science Review (Elsevier Publication) **SCI IF=7.8**; July 2021
26. Satya Sai Srikant, Rajendra Prasad Mahapatra, R Bhima Rao, "Extraction of nano-metals with judicious combination of microwave heating and acid leaching process from E-waste" Journal of Microwave Power and Electromagnetic Energy, (Taylor and Francis Jr) **SCI IF=1.325**; <https://doi.org/10.1080/08327823.2021.1952833>
27. B Wan, C Xu, R.P Mahapatra, P Selvaraj, “ Understanding the cyber physical system in International stadiums for security in the Network from Cyber – Attacks and Adversaries using AI” Wireless Personal Communication **SCI IF=1.671**; Springer , Published on 24th May 2021 <https://doi.org/10.1007/s11277-021-08573-2>
28. Fang.Zhi, R.P.Mahapatra, Selvaraj. “ Dynamic Data Processing system for sports training system using IOT” Technology and Health Care, IOS Press May 2021 **SCI (Impact Factor-1.285)** DOI: 10.3233/THC-213008
29. R.P.Mahapatra ,”A Simulation-Based Approach to Study the Impact of Social Distancing over Spread of Covid-19,” Journal :Frontiers in Public Health, section Infectious Diseases – Surveillance, Prevention and Treatment **(SCI) March 2021. (Impact Factor-3.709)**
30. Atulya Gupta, R.P Mahapatra, “Multifactor Algorithm for Test Case Selection and Ordering” ,Baghdad Science Journal **(ESCI), SCOPUS = 0.729**(Accepted).
31. Neha Gupta, .R.P.Mahapatra, “An effective agile development Process by a hybrid Intelligent effort estimation Protocol” ,Journal of Ambient intelligence and Humanized computing, Springer **(SCI) March, 2021, Impact Factor -7.104**
32. Sunil Kumar, Rajendra Prasad Mahapatra “Multi-Objective Genetic Algorithm Optimization Based Two-Warehouse Inventory Model with Time-Dependent Demand and Deteriorating Items” Solid State Technology, 2020, Vol. 63 Issue: 06 **Scopus 0.000**
33. Rohit Sharma, R Kumar, S C Sathpaty, N Ansari, R.P.Mahapatra, “Analysis of Water pollution using different physico- chemical parameters, Study of Yamuna river” Accepted for publication in Frontiers in Environmental Science **(SCI) , 2020**
34. R.P.Mahapatra. Akshit Gupta, Vasu Tyagi, Deepika Saxena, “Wireless mouse using video processing” Solid State Technology **(Scopus Jr)**, Vol 63 (2s), 2020, pp 1004-1009
35. R.K.Yadav, R.P.Mahapatra, “Energy Aware Optimal Cluster Head Selection Using Hybrid Algorithm for Clustering Routing in Wireless Sensor Networks” International Journal of Intelligent Engineering and Systems (IJIES), ” 2020, Vol.13 (3), pp.222-231. **Scopus**.
36. Ankur Mittal, Abhilash, R.P Mahapatra “Evaluation of Parallel System using Process Algebra” International Journal of Innovating Technology and Exploring Engineering (IJITEE), 2019, Vol-8, Issue-9S2, pp 177-182 **Scopus**
37. AdhiraSubramaniam, Rajendra Prasad Mahapatra and Paramjit Singh “Taylor and Gradient Descent-Based Actor Critic Neural Network for the classification of Privacy Preserved Medical Data” 2019, Big Data, Vol. 7, No 03, pp 176-191 **(SCI)**
38. Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayananda Mohanty “Recovery of Basic valuable metals and allows from E-Waste using microwave heating followed by leaching and cementation process” Sadhana, 2019, Volume 44, Issue 10, pp 209: 1-10 **(SCI)**
39. S. Adhirai, Paramjit Singh, Rajendra Prasad Mahapatra “Circular interpolation and chronological-whale optimization based privacy preservation in cloud” International Journal of Computer and Application, (Taylor & Francis), 2019 pp 1-13. doi.org/10.1080/1206212X.2018.1560668 **(Scopus, SCI mago)**
40. Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao and Bijayananda Mohanty " Microwave heating and acid leaching processes for recovery of gold and other precious metals from e-waste". Current science, Vol 116 (3), pp 463-468 **(SCI)**

41. S.Adhirai, R.P Mahapatra, Paramjit Singh “The Whale Optimization Algorithm and its Implementation in MATLAB” International Journal of Computer and Information Engineering (World Academy of Science, Engineering and Technology Vol-12, No 10, 2018, (**Scopus**))
42. Karimella Vikram, R.P Mahapatra, Devenda Kumar Jain, P.Ezhilarasu, Akshay D Saraf “Data visualization using Big data Applications using Instagram” Journal of Advanced Research in Dynamical and Control System, 2018, Vol 10 (9), 2585-2589 (**Scopus**)
43. Rakesh Kumar Yadav, Rajendra Prasad Mahapatra, “An Efficient and Optimistic Data Transmission Technique for WSNs using Encryption Algorithm” Journal of Advanced Research In Dynamical And Control System, 2018, Vol 10 (7) pp 947-955 (**Scopus**)
44. S.Adhirai, Paramjit Singh, R.P.Mahapatra “Identity and access management using Boto and JSON” International Journal of Engineering & Technology. 2018, Vol 7 (2.8) pp 640-651 (**Scopus**)
45. R.P.Mahapatra, Aparna Ranjith, A. Kulothungan “Framework for improving Test case selection and Randomized prioritization” International journal of Pure and applied Mathematics, 2018, Vol 7 (3.12) pp 444-448 (**Scopus**)
46. Anusua Dutta, Dr.R.P.Mahapatra, A. Kulothungan “Survey on Test case Reduction Techniques“ Journal of Advance Research & control systems, 2018, .Vol 10 (4), pp 1083 -1088 (**Scopus**)
47. Rajendra Prasad .Mahapatra, Satya Sai Srikant, Bijayananda Mohanty, Rudra Sankar Dhar “E-Waste in india-Problems and Innovative solutions” International journal of Pure and applied Mathematics, 2018, Vol 118 (22) pp 1699-1704 (**Scopus**)
48. Sachi Pandey, Rajendra Prasad Mahapatra, “A Proficient Redundancy exclusion approach to remove network” International Journal of Pure and Applied Mathematics, 2018, Vol 118 (20) pp 1605-1610 (**Scopus**)
49. S.Adhirai, R.P Mahapatra, Paramjit Singh “An Advanced dynamic Benchmarking: An effective and scalable method for performance comparison of various cloud service providers” International Journal of Pure and Applied Mathematics, 2018, Vol 118 (20) pp 125-134 (**Scopus**)
50. Ajay Singh Yadav, R.P. Mahapatra, Sanjai Sharma, Anupam Swami “An Inflationary Inventory Model for Deteriorating items under two Storage Systems” International Journal of Economic Research, 2017, Vol 14 (9) pp 29-40 (**Scopus**)
51. Sachi Pandey, R.P.Mahapatra, Vishal Goar “Enduring Energy Based Clustering Algorithm for Wireless Sensor Network” International Journal of Control Theory and Applications, 2017, Vol-10 (13) pp 133-140 (**Scopus**)
52. R.P.Mahapatra, Anurag Negi, “Effective Software Fault Localization using GA-RBF Neural Network” Journal of Theoretical & Applied Information Technology Journal of Theoretical & Applied Information Technology, 2016, Vol-90 (1) pp 168-174 (**Scopus**)
53. Pracheta Bansal, R.P Mahapatra, Divya Gupta, “ An Improved DWT-SVD based Digital Watermarking Algorithm for Images” International Journal of Modern Trends in Engineering and Research, 2016, Vol 3 (4), pp 290-295
54. Shivani Jindal, R.P Mahapatra, Divya Gupta, “Face Recognition using Gabor Wavelet and SOM (self Organizing Map)” International Journal of Modern Trends in Engineering and Research, 2016, Vol 3 (4) pp 698-704
55. P. Velmurugan, Rajendra Prasad Mahapatra, “Effective Test Case Minimization and Fault Detection Capability Using Multiple Coverage Technique” International Journal of Applied Engineering Research, 2016, Vol11 (8) pp 5389-5394 (**Scopus**)
56. P. Velmurugan, Rajendra Prasad Mahapatra, “Effective Branch and DU Coverage Testing Through testcase prioritization using Genetic Algorithm” International Journal of Applied Engineering Research, 2016, Vol 90 (1) pp 40-48 (**Scopus**)
57. Rajendra Prasad Mahapatra, Ritvij Pathak, Karan Tiwari “A Hybrid genetic and Bee Colony optimization Algorithm for test Suite Prioritization” International Journal of Applied Engineering Research, 2016, Vol 92 (1) pp 154-161 (**Scopus**)
58. Ridip De, R.P Mahapatra, ParthaSarathi Chakraborty, “Exploring and Expanding the World of Artificial Intelligence” international Journal of Computer Application, 2016, Vol 134 (2)pp 1-4
59. Satya Sai Srikant, R P Mahapatra, ”Microwave Heat Transfer Mechanism and Absorption on selected valuable minerals and materials”, 2016, pp 96-103
60. Sanchit Narang, Shivam Sharma, Rajendra Prasad Mahapatra, “Prevention of SQL injection in E-Commerce” International Journal of Computational Engineering Research, 2015, Vol-05 (9) pp1-4

61. R.P.Mahapatra, Rakesh Yadav "Analysis of Classical Routing Algorithms on Different Contention Based MAC Protocols for Wireless Sensor Networks" *Journal of Information and Computing Science*, 2014, Vol 9 (1) pp 31-36 (**Scopus**)
62. Mohd Kaleem, R.P.Mahapatra "Energy Consumption Using Network Stability and Multihop protocol for Link Efficiency in Wireless Area Network" *IOSR Journal of Computer Engineering*, 2014, Vol 16 (3) pp 113-120
63. Rajendra Prasad Mahapatra "Design and implementation of Multipath routing in Mobile Adhoc Network" *International Journal of Information and Electronics Engineering*, 2012, Vol 2 (4) pp 516-522
64. R.P. Mahapatra, Manish Bhardwaj, Sachi Pandey "Global Mobile Information Simulator in Window XP to Analysis the performance of Routing Protocols in MANET" *International Journal of Information and Electronics Engineering*, 2012, Vol 2 (4) pp 512-515
65. R.P. Mahapatra, Subhi Khan "A Survey of Sql injection Countermeasures" *International Journal of Computer Science & Engineering Survey*, 2012, Vol 3 (3), pp 55-74
66. R.P. Mahapatra, Subi Khan "Token based Approach to Block SQL injection Attacks" :Away to secure query processing" *International Journal of Computer Science and Technology*, 2012, Vol 3 (2) pp 916-921
67. R.P.Mahapatra, Ruchika Saini, Neha Saini "A pattern Based Approach to Secure Web Applications from XSS Attacks" *International Journal of Computer Technology and Electronics Engineering*, 2012, Vol 2 (3) pp 196-203
68. Rajendra Prasad Mahapatra, Manish Bhardwaj, Sachi Pandey "Performance analysis of Mobile Adhoc routing protocol using extensive matrices" *International Journal of Knowledge based and intelligent Engineering System*, 2012, Vol 16 (3) pp 173-188
69. Satya Sai Srikant, Rajendra Prasad Mahapatra, " Semiconductor die-Processing and packaging", *International Journal of Information and Electronics Engineering*, 2012, Vol 2 (3) pp 366-368
70. Rajendra Prasad Mahapatra, Tanvir Ahmed Abbasi "Real Time Intelligent Intrusion Identification in wireless Adhoc Network" *International Journal of Computer an Electrical Engineering*, 2010, Vol 2 (5) pp-799-805
71. Rajendra Prasad Mahapatra, "Location and Forwarding based Strategies in Mobile Adhoc Network" *International Transaction in Mathematical Science and Computer*, 2010, Vol-3 (2) pp-237-248
72. Rajendra Prasad Mahapatra, Mohit Katyal, "Taxonomy of Routing Security for AD-Hoc Network" *International Journal of Computer Theory and Engineering*, 2010, Vol 2 (2) pp-303-307
73. Satya Sai Srikant, Rajendra Prasad. Mahapatra, "Read Rang of UHF Passive RFID" *International Journal of Computer Theory and Engineering*, 2010, Vol 2 (3) pp 323-325
74. R.P.Mahapatra, Tanvir Ahmed Abbasi, MohdSuaib Abbasi, "A propose Architecture of MANET for Disaster Area Architecture" *International journal of computer theory and engineering*, 2010, Vol 2 (1) pp 31-34
75. R.P.Mahapatra, K Vimal Kumar, "Panoramic Sensor Based Blind Spot Accident Prevention System" *journal of IPeM*, 2009, Vol 3 (1) pp 46-53
76. Nissu Garg, R.P.Mahapatra, "MANET Security Issues" *International Journal of Computer Science and Network Security*, 2009, Vol 9 (8) pp-241-246 (**SCI**)
77. Prashant Mani, R.P.Mahapatra *IJERIA* "VLSI Implementation of FIR filter using Processor" *International Journal of Engineering, Research & industrial applications* 2009, Vol-2 (3) pp 319-328.
78. Prashant Mani, Junaid Khan, R.P.Mahapatra "Bit Error Rate for Different Diversity Combining Scheme & Channel Estimation Evaluation in Multi User DS-CDMA system Using different modulation Techniques" *International Journal of Engineering, Research & industrial applications*, 2009 Vol-2 (3), pp 341-352.
79. Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayanand Mohanty, "Less Polluted Flue gases obtained with Green Technology during precious metals recovery form unwanted and discarded electrical and electronics" *Springer Link Advances in Intelligent Systems and Computing(ESCI)*, Volume 1172
80. Rajendra Prasad Mahapatra, Sachi Pandey, Vikas Chouhan, DevanshChhettri, and Himanshu Sharma, "Real-Time Safety and Surveillance System Using Facial Recognition Mechanism." *Springer Link Advances in Intelligent Systems and Computing (ESCI)*Volume 1172

81. Rajendra Prasad Mahapatra , B. Muruganantham, Kriti Taparia, and Mukul Kumar, “Liver Disease Prediction Using an Ensemble Based Approach” Springer Link Advances in Intelligent Systems and Computing (**ESCI**)Volume 1172
82. Rajendra Prasad Mahapatra, Atulya Gupta,”
83. Atulya Gupta & Rajendra Prasad Mahapatra, “Test case generation and history data analysis during optimization in regression testing: An NLP study” Cogent Engineering, (Published 12 Nov 2023), Volume 10 2023, Issue -1, <https://doi.org/10.1080/23311916.2023.2276495> Page No- 1 to 28

INTERNATIONAL/ NATIONAL CONFERENCE

2023

1. Gupta, Mahesh Kumar, Vinay Panwar, and Rajendra Prasad Mahapatra. "Effect of temperature and strain rate on mechanical properties and potential energy of nanocrystalline tantalum." *Materials Today: Proceedings* 82 (2023): 22-28.
2. Tejal Tiwary, Rajendra Prasad Mahapatra , "Web Accessibility Challenges for Disabled and Generation of Alt Text for Images in Websites using Artificial Intelligence," 2022 IEEE 3rd International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT), Ghaziabad, India, Published on March 20, 2023, pp. 1-5, doi: 10.1109/ICICT55121.2022.10064545.

2022

1. S. Karthick, N. Gomathi, R. P. Mahapatra, Anitha Rajakumari, Pritee Parwekar, " Various Security Problems and Its Solving for Future Dynamic IoT-Based Smart Home Automation" IRCTC 2022 (Springer Conference), Lecture Notes in Networks and Systems book series (LNNS, volume 341), pp 739-760
2. Sharma, Arti, R. P. Mahapatra, and Vineet Kumar Sharma. "An exploration of Fog procedures in comparison with IoT, design, and assessment issues." 2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO). IEEE, 2022.

2021

1. RP Mahapatra, SS Srikant, RB Rao, B Mohanty, "Less Polluted Flue Gases Obtained with Green Technology During Precious Metals Recovery from Unwanted and Discarded Electrical and Electronics Components" *Intelligent Computing and Applications*, 2021, 715-720
2. B Muruganantham, RP Mahapatra, K Taparia, M Kumar, "Liver Disease Prediction Using an Ensemble Based Approach" *Intelligent Computing and Applications*, 2021, 507-518.
3. S Pandey, V Chouhan, RP Mahapatra, D Chhettri, H Sharma, "Real-Time Safety and Surveillance System Using Facial Recognition Mechanism" *Intelligent Computing and Applications*, 2021, 497-506.

4. S Kumar, RP Mahapatra, "Proposed Optimization Model for Two-Warehouse Stock using Genetic Algorithm" IEEE 4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE), 2021, P 171-177
5. S Kumar, RP Mahapatra, "Analytic analysis of two ware house inventory model using particle swarm optimization " 2nd Congress on Intelligent Systems 2021,

2020

1. R.P.Mahapatra, Ezhilarasu Umadevi Palani, Karthik Kumar, Karthick S "An Investigation on Route Identification through the Dynamic Source Routing Protocol in Multihop Wireless Mobile Ad-Hoc Networks" 8th International Conference(Springer) on Recent Trends in Computing (ICRTC-2020) Organized by SRM Institute of Science & Technology, NCR Campus, Ghaziabad, July 3-4, 2020
2. Rajendra Prasad Mahapatra and Atulya Gupta, "A Circumstantial Methodological Analysis of Recent Studies on NLP-driven Test Automation Approaches" International Conference(Springer) on Machine Learning, Internet of Things and Big Data (ICMIB-2020) Organized by Indira Gandhi Institute of Technology Sarang, Dhenkanal, Odisha-759146
3. Rajendra Prasad Mahapatra and Atulya Gupta, "A comparative recapitulating study of recent sentiment analysis approaches" 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Bhubaneswar, India
4. Rajendra Prasad Mahapatra and Neha Gupta, "A hybrid technique combining the wbs and story point estimation for estimating the effort in agile software development" International Conference on AI, Robotics and Automation Organized by ICT Academy Global Technology Forum 2020, ISBN: 978-81-937760-4-9, Page-16-19
5. Rajendra Prasad Mahapatra and Neha Gupta, "Identification of factors for effectively estimating effort using ism approach in agile software development" International Conference on AI, Robotics and Automation Organized by ICT Academy Global Technology Forum 2020, ISBN: 978-81-937760-4-9, Page 181-185

2019

1. Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayanand Mohanty, "Less Polluted Flue gases obtained with Green Technology during precious metals recovery from unwanted and discarded electrical and electronics" 5th International Conference on Intelligent Computing and Applications (ICICA-2019) Organized by SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 6-8, 2019
2. Rajendra Prasad Mahapatra, Sachi Pandey, Vikas Chouhan, Devansh Chhetri, and Himanshu Sharma, "Real-Time Safety and Surveillance System Using Facial Recognition Mechanism." 5th International Conference on Intelligent Computing and Applications (ICICA-2019) Organized by SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 6-8, 2019
3. Rajendra Prasad Mahapatra, B. Muruganatham, Kriti Taparia, and Mukul Kumar, "Liver Disease Prediction Using an Ensemble Based Approach" 5th International Conference on Intelligent Computing and Applications (ICICA-2019) Organized by SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 6-8, 2019
4. Dr. R.P.Mahapatra "Operating System Rooting Using ROM" 3rd International Conference on Innovative Research in Supply Chain Management (ICSCM-2019) 1st February 2019, Venue Dubai, UAE
5. Dr. R.P.Mahapatra "Weather Data Analytics using Hadoop with Map-Reduce" International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC) IEEE Conference, 31st January, 2019

2018

1. .K. Vikarm, R.P.Mahapatra, Devender Jain, Mr Karthick "Security Analysis of Smart Embedded Systems using IOT" 5th International Conference on Recent Trends in Computing (ICRTC-18) on 27th & 28th December 2018, Venue SRM-IST, NCR campus, Ghaziabad

2. R.P.Mahapatra “Natural language processing and Big data Application” 5th International Conference on Recent Trends in Computing (ICRTC-18) on 27th & 28th December 2018, Venue SRM-IST, NCR campus, Ghaziabad
3. S. Adhirai, R.P.Mahapatra, Paramjit Singh “ The Whale Optimization Algorithm and Its Implementation in MATLAB ” World Academy of Science and Technology (WASET, www.waste.org) International Journal of Computer and Information Engineering, Vol-12, No-6 San Francisco, USA, 6-7 June, 2018
4. Himanshu kumar, Prabhav Gupta, Rajendra Prasad Mahapatra “Protocol based ensemble Classifier For Malicious URL Detection” IEEE, 10.OCT.2018

2017

1. R.P Mahapatra, Aparna Ranjith, A. Kulothungan “Framework for Improving Test Case Selection and Randomized Prioritization” International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, 14 & 15 December, 2017 page No-5.
2. R.P Mahapatra, Aparna Ranjith, A. Kulothungan “Framework for Optimizing Testing Case in Regression Testing” International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, 14 & 15 December, 2017 page No-6.
3. Rakesh Kumar Yadav, Rajendra Prasad Mahapatra, “An Efficient and Optimistic Data Transmission Technique for WSNs using Security Method” international Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, 14 & 15 December, 2017 page No-15.
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1. P.Velmurugan, Rajendra Prasad Mahapatra” Effective Test Case Retaining Using Branch Coverage Technique”, IEEE Conference, 2016, Page-511
2. AnnuragNagi, R. P Mahapatra “A Study of Software Faulty localization Techniques” 2nd Internation conference on Recent Trends in Engineering and Management, 20 February, 2016

2015

1. Rajendra Prasad .Mahapatra, Rakesh Kumar Yadav “Descendant of Leach Based Routing Protocols in Wireless Sensor Networks” Elsevier Procedia of computer science, ICRTC2015, Organized SRM Institute of Science & Technology, NCR Campus, Ghaziabad 12-13 March 2015, page 61.
2. Rajendra Prasad .Mahapatra, Rakesh Kumar Yadav “Comparative Analysis of Nearest Neighbor Query Processing” Elsevier Procedia of computer science, ICRTC2015, Organized SRM Institute of Science & Technology, NCR Campus, Ghaziabad 12-13 March 2015, page 78.
3. R.P.Mahapatra “A Centralized Comparison of Energy Efficient Routing Protocol for Mobile and static wireless sensor Network” ICC-2015, Bhubaneswar. Elsevier procedia of computer science. Pages 467-471
4. Mohd Kaleem, Anand Mohan Tripathi, R.P.Mahapatra “Wireless Body Area Networks for Health Care: A survey” International conference onRecent Development in Computational and Information Technology (ICRDCIT, 2014), 7th-8th March 2014 SRM University, NCR Campus.
5. Anand Mohan Tripathi, Mohd Kaleem, R.P.Mahapatra “Demonstrating Power Savings & Limitations with minimized Coverage in M-gear protocol for Wireless Sensor Networks”. International conference on Recent Development in Computational and Information Technology (ICRDCIT, 2014), 7th-8th March 2014 SRM University, NCR Campus.

2012

1. .R.P.Mahapatra, Subi Khan “Token Based Approach To Block SQL Injection Attacks” Internationa Journal of Computer Science and Technology (JCST), Vol-3, Issue 2, April-June 2012, ISSN-2229-4333, Page.916-221

2. R.P Mahapatra, Shalini Tiwari "A survey on Routing Protocols in Underwater Wireless Sensor Networks" Proceedings of International Conference on Recent Trends in Computing (ICRTC), Organized by SRM University, NCR Campus, Oct 04-05, 2012, page 245
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4. Sachi Pandey, R.P Mahapatra, "Comparative Performance Analysis of AODV, DSDV and DSR Routing Protocols in Manet using NS-2 Simulator" Proceedings of International Conference on Recent Trends in Computing (ICRTC), Organized by SRM University, NCR Campus, Oct 04-05, 2012, page 304
5. Narest Sharma, R.P Mahapatra, Mool Chand Sharma "Increasing Search Engine Efficiency using Personalization" Proceedings of International Conference on Recent Trends in Computing (ICRTC), Organized by SRM University, NCR Campus, Oct 04-05, 2012, page 329

2011

1. Rajendra Prasad Mahapatra "Protocol implementation of the Mobile Adhoc network "IEEE, International Conference on Network Communication and Computer (ICNCC-2011), March 21-23, 2011 New Delhi, Page1-9
2. Satya sai Srikant, R.P.Mahapatra "Semiconductor Die:processing and packaging "IEEE, International Conference on Network Communication and Computer (ICNCC-2011), March 21-23, 2011 New Delhi, Page 10-13
3. R.P.Mahapatra, Manish Bhardwaj, Sachi Pandey "Global Mobile Information Simulator in Window XP to Analysis the performance of Routing Protocols in MANET "IEEE, International Conference on Network Communication and Computer (ICNCC-2011), March 21-23, 2011 New Delhi, Page-611-615
4. R.P.Mahapatra "Design and implementation of Multipath routing in Mobile Adhoc Network" IEEE, International Conference on Network Communication and Computer (ICNCC-2011), March 21-23, 2011 New Delhi, page 616-623.
5. R.P.Mahapatra, M.Mohan, Kulothungan "Effective Tool for Test case Execution Time Reduction" International Symposium on computing, Computing Communication and Control (ISCCC-2009) published 2011, IACSIT press
6. R.P Mahapatra, Roopam Mahajan and Rajendra Nahil, "Modified Quantum Cryptography Using Barcodes", 2009 International Symposium on Computing, Communication and Control (ISCC 2009), Published 2011, IASCIT Press, Singapore

2010

1. M.Abul Hasan, Tanvir A. Abhasi, R.P Mahapatra, Shabbir Ahmed, M. Suhaib Abbasi. "E-Waste Management and Hazardous Effect on Environment" Proceedings of the 4th National Conference INDIAcom- 2010, February 25-26, 2010

2009

1. R.P.Mahapatra, K. Vimal Kumar, "Panoramic Sensor based Blind Spot Accident Prevention System" proceedings of WASET VOL-37JAN 28-30 2009 ISSN:2070-3740 Pg NO-915-921 which was held at Dubai,

2008

1. R.P Mahapatra "integrating generative and Aspect Oriented technologies for framework instantiation" World Academy of Science Engineering & Technology, Page-367, 2008
2. R.P.Mahapatra Paper published in the IEEE CNF proceedings on title" Ultrasonic Sensor based Blind spot accident prevention system" for ICACTE 2008 INTERNATIONAL CONFERENCE and listed in IEEE Xplore, Digital library 10.1109/ICACTE.2008.165 ISBN:978-0-7695-3489-3 which was held at 20-22 Dec.2008, Phuket, Thailand.
3. R.P.Mahapatra "Improving the Effectiveness of Software Testing through Test Case Reduction " proceedings of world academy of science, engineering and technology volume 27 february 2008 ISSN 1307-6884 on title which was held on feb06-08, 2008, Cairo, Egypt .

2007

1. R.P.Mahapatra Paper presented in International Conference which was held at Jabalpur Engineering College, Jabalpur from 27 to 29th December 2007 with title "DESIGN OF EFFECTIVE LEARNING

ALGORITHMS FOR AN AGENTS IN AI ENVIRONMENT” and paper published in proceeding journal vol no1pg.no-268-272

- Jitendra Singh, R.P.Mahapatra “Secure user authentication for corporate sector”, SPIT-IEEE INTERNATIONAL CONFERENCE on and paper published in proceeding vol no-5 pgn0-151-153, which was held on feb 04 to 05 at SPIT, MUMBAI,

PATENTS:

<i>S.No</i>	<i>Title of the Patent</i>	<i>Application Number</i>	<i>Data of Published / eFiling</i>	<i>Status</i>
1	IOT based smart home model to support elderly	202022104738	17-11-2022	Federal Republic of Germany Patent Granted
2	IOT based smart home model for assisting elderly people	202211037454	08/07/2022	Published
3	Blind Man’s stick with Smart Sensor	360145-001	20-05-2022	Published and Granted
4	Convolution neural Networks based image compression for high quality multifocus fused images	2021105709	1-12-2021	Granted
5	Smart Artificial intelligence based fleet analytic system	2021106612	24-11-2021	Granted
6	French to English Audio translation using ML and Autonomous back translation under noise prone environment	2021102175	2-6-2021	Published and Granted
7	Design and Development of Affordable Organic Footwear for Under Privileged People	202111003484	29/01/2021	Published
8	IOT Based Home Antitheist System	202041047694	13/11/2020	Published
9	IOT Network Communication Process To Prevent Machine Learning Attack Using Lockdown Protocol	2020101606	01/08/2020	Published
10	Inertial measurement unit for wearable continuous human motion information system	2020102947	22/10/2020	Granted
11	Artificial Intelligence Tailored interactive smart mirror	202141039094	10-9-21	Published
12	Optimizing Framework for crconoma cancer type using Deep Reinforcement Learning Technique	202141042296A	1-10-2021	Published
13	Mental status analyzing system using scanned handwriting	202121013879	2021	Published

RESEARCH GUIDED:

SRL. NO	Status	Year of Registration	Name of the Scholar	University
1	Awarded in 12-5-2023	2019	Mahesh Kumar Gupta	SRM Institute of Science and Technology
2	Awarded in 6-3-2023	2016	Neha Gupta	SRM Institute of Science and Technology
3	Awarded in 5-8-2022	2016	Sunil Kumar	SRM Institute of Science and Technology
4	Awarded in 2020	2012	Rakesh Kumar Yadav	SRM Institute of Science and Technology
5	Awarded in 2020	2015	S.Adhirai	SRM Institute of Science and Technology
6	Awarded in 2018	2013	Sachi Pandey	SRM Institute of Science and Technology
7	Awarded in 2017	2012	P.Velmurugan	SRM Institute of Science and Technology
8	Awarded in 25-6-2017	2017	Devesh Kumar Bandil	SunRise University
9	Awarded in 10-12-2016	2016	Vipul Singhal	SunRise University
10	Thesis Submitted 2022	2016	Tejal Tiwari	SRM Institute of Science and Technology
11	Synopsis submitted	2019	Atulya Gupta	SRM Institute of Science and Technology
12	Comprehensive Exam Completed	2018	Abhilash	SRM Institute of Science and Technology
13	Comprehensive Exam Completed	2019	Goutham E	SRM Institute of Science and Technology
14	Comprehensive Exam Completed	2019	Mohan Raj	SRM Institute of Science and Technology
15	Comprehensive Exam Completed	2019	Arun Kumar	SRM Institute of Science and Technology
16	Comprehensive Exam Completed	2021	Prem Narayan Singh	SRM Institute of Science and Technology
17	Comprehensive Exam Completed	2021	Rajneesh	SRM Institute of Science and Technology
18	Comprehensive Exam Completed	2021	Sourabh Kr Gupta	SRM Institute of Science and Technology
19	Comprehensive Exam Completed	2021	Ayushi Sharma	SRM Institute of Science and Technology

R & D PROJECTS

S.No	Name of the Project	Agency	Faculty members involved	Period	Amount generated (In Rs.)	Status
1	Design and Development of Affordable Organic Footwear for Under Privileged	DST	Dr.P.Sivakumar & Dr. R.P Mahapatra	2020-21	25,51,389	Presentation completed

2	Automated plastic and solid waste pickup using autonomous ground vehicles	DST	Dr.P.Sivakumar & Dr. R.P Mahapatra	2021-22	87,53,840	Filed Online
3	Automated waste collection and road making vehicle with waste and plastic materials.	SRM-Internal Funding	Dr.P.Sivakumar & Dr. R.P Mahapatra	2021-22	5,00,000	Filed Online
4	Organic Footwear	SRM-Internal Funding	Dr.P.Sivakumar & Dr. R.P Mahapatra	2020-21	10,000	Completed

BOOK PUBLICATIONS:

1. Data Base Management System Author:- Rajendra Prasad Mahapatra, Govind Verma
ISBN: 978-93-82609-15-5 First Edition: Jan 2013 Khanna Book Publishing Co. (P) Ltd. Delhi.
2. Software Engineering Author:- Rajendra Prasad Mahapatra, Govind Verma
ISBN: 978-93-81068-15-5 First Edition: 2015 July Khanna Book Publishing Co. (P) Ltd. Delhi
3. Analysis and Interpretation of Elias-Fano Coding for Sorted Integers
Author:-Ezhilarasu umadevi Palani, Rajendra Prasad Mahapatra, Ramaswamy Senthil
ISBN:978-620-0-11910-0 Lambert Academic Publishing, 2019
4. Finte Automata Problems & Solutions
Author:-Ezhilarasu umadevi Palani, Rajendra Prasad Mahapatra, Karthick Subramani
ISBN:978-620-0-21347-1, Lambert Academic Publishing, 2019
5. Finite Automata for 3 Unique Input Characters Author:-Ezhilarasu umadevi Palani, Rajendra Prasad Mahapatra, ISBN:978-620-0-11475-4, Lambert Academic Publishing, 2019
6. Data Security in Internet Based RFID and WSN System Application, RC Publisher, Author R P Mahapatra , Rohit Sharma 2020
7. Web Mining Noise Free Content, Author:- Sivakumar Ponnusamy, Rajendra Prasad Mahapatra, Prem Narayan Singh, SK research Group of Companies

BOOK CHAPTER:

1. Evolution of Big Data Analytics of Internet of Things, : Application and Future Plane, Springer Nature Singapore Pte Ltd, 2020, ebook ISBN-978-981-13-8759-3, Series ISSN 1868-9394, Page No XII, 485
2. Transforming Healthcare Through Various Technique in Internet of Things,, Springer Nature Switzerland AG, 2020, ebook ISBN-978-3-030-23983-1Series ISSN 1868-4394, Page No XIV, 351
3. A Handbook of Internet of Things in Biomedical and Cyber Physical System in Connection with the Internet of Things, 26 September, 2019 ISBN 978-3-030-23982-4, Spinger.com
4. “The Internet of Things and Its Applications in Cyber Security” Spinger.com
5. “Role of Internet of Things and IT in Health Care” Springer Pte Ltd, 2020 Volume 2, Studies in Big Data 67

AWARDS:

- Institution Award from Institution of Engineers (India), Calcutta on 56th Annual Technical Session on 15th Feb.2015.
- Certificate of Excellence from SRM University, NCR Campus. On 9th Feb.2015.
Madhusudan Memorial Award from Institution of Engineers (India), Calcuttaon 57th Annual Technical Session on 14th Feb.2016.
- Best Teacher Award on 5th September, 2022

AICTE GRANT RECEIVED:

- Received Grant Rs.93000/ for Organizing ATAL FDP

- Received Grant Rs.400000/ from AICTE for Organizing International Conference
- Received Grant Rs.100000/ for Organizing Hackathon

PROFESSIONAL MEMBERSHIP:

- Senior IEEE Member
- Fellow of the Institution of Engineers (India), F.I.E (India), F-118113-7
- Member of Computer Society of India.
- Member of International Association of Engineers, MIAENG, U.K
- Life Member of Indian Societies for Technical Education, M.I.S.T.E, NEW DELHI.
- Senior Member of International Association of computer science and information technology, SMIACSIT, Singapore.
- Member of KES International intelligent society.

SUBJECT TAUGHT FOR U.G CLASSES

1. Database Management System
2. Compiler Design
3. System Software
4. System Analysis and Design
5. Neural Network
6. Theory of Computation
7. Web Technology
8. Software Engineering
9. Software Quality

SUBJECT TAUGHT FOR P.G CLASSES

1. Software Engineering
2. Data Base Management System
3. Computer Network
4. Artificial Intelligence
5. Compiler Design
6. Distributed Operating System
7. Object Oriented Design

TECHNICAL PROFILE:

Languages: C, C++, Java
 Operating System: Window95/98, Linux Red hat, UNIX
 RDBMS: DB2, ORACLE8i
 ERP: SAP – BW 3.5

ROLE & RESPONSIBILITIES:

- Working as Dean (Admission) @S.R.M University, NCR Campus from Jan.2012 to till date.
- Head of the Department of Computer Science and Engineering from August 2006 to till date.
- Organized International Conference on recent Trends in Computing with IEEE and Elsevier as a General chair in 2011 and 2015 at SRM University, NCR Campus.
- Coordinator of ISTE-STTP program on “Virtualization Technology using VMware” funded by ISTE 19-24TH May2014.
- Arranging Guest Lecturer and Coordinator of In plant training
- Coordinator for M. Tech and Ph. D Program.
- NAAC & UGC Co-ordinator of SRM University, NCR Campus

ACHIEVEMENT:

- General Chair of international conference on software technology and Engineering which is going to be held at june27-29 2009.
- Chair Person of National conference which is going to be held on e-governance for Rural development on April17-18 2009.
- Best Research Paper award held in international conference at USA onMarch31st-April01 2008
- Editor of international journal of systemics, informatics and cybernatics
- Reviewer of Elsevier international Journal (computer Vision for image understanding)
- Reviewed the papers of Dr. Olivier Alata, Ph.D. and Dr Weiyen Hsu Ph.D.,
- Selected by Ministry of Higher Education, Ethiopia.
- Selected by Ministry of Higher Education, Muscat, Sultan of Oman.
- Selected by Ministry of Higher Education, Eriteria.

AS A PH.D. SUPERVISOR:**S.R.M INSTITUTE OF SCIENCE AND TECHNOLOGY**

- 1) Currently 8 students are continuing their research in the area of Mobile Adhoc Network, Wireless Sensor Network.
- 2) Ten (10) Ph.D Scholars awarded under my guidance from SRM University
- 3) Two (2) Ph.D Scholars awarded under my guidance from Sunrise University

M.Tech Dissertations: Guided about 23 M.Tech dissertations in C.S.E Department.

B.Tech Dissertations: Guided above 100 students in C.S.E Department.

PERSONAL DETAILS

Name: Dr. Rajendra Prasad Mahapatra
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Passport no: F0294950
Nationality: Indian
D.O.B: 03.06 .1971
Language: English, Hindi, Oriya, Tamil, Ahmeric
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Reference:

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Date :

Place:

Prof. Rajendra Prasad Mahapatra