

CURRICULUM VITAE

Prof. (Dr.) Rajendra Prasad Mahapatra

Dean

SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad
(Deemed to be University)

✉ **Email:** mahapatra.rp@gmail.com

☎ **Contact:** +91 7906561813



OBJECTIVE

To be associated with a progressive organization that provides opportunities for professional growth, allowing me to utilize my knowledge and skills in alignment with the latest trends. I aspire to contribute dynamically to the organization's success while achieving professional satisfaction.

EDUCATION

- **Ph.D. in Engineering** – National Institute of Technology, Mizoram, India
 - **Master of Engineering in Computer Science and Engineering** – University of Madras, India.
 - **Bachelor's Degree in Electrical Engineering** – Institution of Engineers (India), Calcutta
-

PROFESSIONAL EXPERIENCE

Current Position

- **Dean, SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad**
Since December 29, 2023

Previous Positions

- **Dean, College of Engineering and Technology** – SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad *(May 4, 2023 – December 28, 2023)*
 - **Professor & Head of Department (CSE)** – SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad *(September 6, 2011 – May 3, 2023)*
 - **Assistant Professor (Senior Grade) & HOD (CSE)** – SRM University, Delhi-NCR Campus, Ghaziabad *(August 2006 – September 5, 2011)*
 - **Assistant Professor (Department of Computer Science)** – Mekelle University, Ethiopia *(November 2004 – July 2006)*
 - **Lecturer (CSE Department)** – SRM Valliammai Engineering College, Chennai, India *(June 2001 – November 2004)*
-

RESEARCH & PUBLICATIONS

- **Ph.D. Scholars Supervised:**
 - Awarded: **14**
 - Pursuing: **6**
 - **Patents:**
 - Published: **10**
 - Granted: **6**
 - **Books Published: 9**
 - **Journal & Conference Papers:**
 - International Journal Papers: **80**
 - International Conference Papers: **57**
-

INTERNATIONAL JOURNAL PAPERS

1. **Saurabh Gupta, Rajendra Prasad Mahapatra** "Hyex-net: hybrid efficient Xception network for human activity recognition using multimodalities" *Cluster Computing Springer Nature 2025-SCI, Impact Factor: 3.2, 25 February 2025, Volume 28, article number 240, (2025)* .
2. **Ganesh Gopal Devarajan, Thirunavukkarasan M, Maheswari Mahalinghum, Daniel Arockiam, Mu-En Wu, Rajendra Prasad Mahapatra** "Explainable Federated Learning based Secure and Transparent Object Detection Model for Autonomous Vehicles" *IEEE Transactions on Consumer Electronics*, Jan 2025, pp 1-8, (SCI) IF-4.3
3. **Sunil Kumar, Rajendra Prasad Mahapatra** "EPOIM: an advanced optimization method for two warehouse inventory model" *Multimedia Tools and Applications*, April 2024, <https://doi.org/10.1007/s11042-024-19064-4> (Scopus) SNIP-1.245.
4. **G. G. Devarajan, K. U, G. Chandran, R. P. Mahapatra, A. Alkhayyat** "Next Generation Imaging Methodology: An Intelligent Transportation System for Consumer Industry" *IEEE Transactions on Consumer Electronics*, 6th March 2024, doi: 10.1109/TCE.2024.3372906 (SCI) IF-4.3.
5. **Rajneesh Kumar, Rajendra Prasad Mahapatra** "Severity of Natural Calamities and Crops Yield Prediction using Hybrid Deep Learning Model in Uttar Pradesh" *World Water Policy*, Feb 2024, 1-12, (Scopus)
6. **T.N. Shankar, P. Mishra, S. Padhy, R. P. Mahapatra, A. Behera** "Creation of 6G communication system for VANETs via a Neuro-fuzzy forwarder selection scheme" *IEEE Transactions on Services Computing*, Nov 2023, pp 1-10 (SCI) IF-11.019
7. **Prem Narayan Singh, Rajendra Prasad Mahapatra** "A novel deep learning approach for arrhythmia prediction on ECG classification using recurrent CNN with GWO" *International Journal of Information Technology (Singapore)*, <https://doi.org/10.1007/s41870-023-01611-1>, 10 Nov 2023, 1-9. (Scopus)
8. **Atulya Gupta, R. P. Mahapatra** "Test case generation and history data analysis during optimization in regression testing: An NLP study" *Cogent Engineering (Taylor and Francis)*, 10:2, Nov 2023, pp 1-44. DOI: 10.1080/23311916.2023.2276495 (SCI) IF-1.9
9. **Ashwani Kumar, Mohit Kumar, Rajendra Prasad Mahapatra, Pronaya Bhattacharya, Thi-Thu-Huong Le, Sahil Verma, Kavita, Khalid Mohiuddin** "Flamingo-Optimization-Based Deep Convolutional Neural Network for IoT-Based Arrhythmia Classification"

Sensors MDPI, 2023, 23(9), 4353; <https://www.mdpi.com/1424-8220/23/9/4353> (SCI) IF-3.847

10. **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, 102076; <https://doi.org/10.1016/j.phycom.2023.102076> (SCI) IF-2.379
11. **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> (Scopus) SNIP-1.245
12. **Atulya Gupta, Rajendra Prasad Mahapatra**, "Test Case Prioritization in Unit and Integration Testing: A Shuffled-Frog-Leaping Approach," *Computers, Materials & Continua*, January 2023, (SCI, Impact Factor: 3.86).
13. **Tejal Tiwary, Rajendra Prasad Mahapatra**, "An Accurate Generation of Image Captions for Blind People Using Extended Convolutional Atom Neural Network," *Multimedia Tools and Applications*, July 2022, <https://doi.org/10.1007/s11042-022-13443-5>, pp. 1-30 (Scopus, SNIP: 1.245).
14. **Neha Gupta, Rajendra Prasad Mahapatra**, "Automated Software Effort Estimation for Agile Development System by Heuristically Improved Hybrid Learning," *Concurrency and Computation: Practice and Experience*, November 2022, (SCI, Impact Factor: 1.831).
15. **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, Impact Factor: 0.555).
16. **Biswaranjan Bhola, Raghvendra Kumar, Rohit Sharma, Rajendra Prasad Mahapatra**, "Security Model for IoT-Based Smart Water Meter Billing System," *IEEE Internet of Things Magazine*, June 2022, pp. 59-62.
17. **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, Vol. 28:187 (SCI, Impact Factor: 2.172).
18. **Avneesh Vashistha, Chandra Mani Sharma, Rajendra Prasad Mahapatra, Vijayaraghavan M. Chariar, Navel Sharma**, "Sustainable Technical Debt-Aware Computing Model for Virtual Machine Migration (TD4VM) in IaaS Cloud," *Wireless Communications and Mobile Computing (Hindawi)*, April 2022, <https://doi.org/10.1155/2022/6709797> (SCI, Impact Factor: 2.336).
19. **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, Impact Factor: 0.555).
20. **Senthil Murugan Nagarajan, Ganesh Gopal Devarajan, 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, Impact Factor: 3.167).
21. **Arun Kumar, Rajendra Prasad Mahapatra**, "Detection and Diagnosis of COVID-19 Infection in Lung Images Using Deep Learning Techniques," *International Journal of Imaging Systems and Technology (Wiley Publications)*, 2022, Vol. 32, pp. 1-14, DOI: 10.1002/ima.22697 (SCI, Impact Factor: 2.12).
22. **Sunil Kumar, Rajendra Prasad Mahapatra**, "Comparison of Adaptive Particle Swarm Optimization and Firefly Algorithm for Analyzing Inventory Cost: Application to Two-Warehouse Inventory Model," *NVEO-Natural Volatiles & Essential Oils Journal*, 2021, pp. 15676-15691 (Scopus, SNIP: 0.252).

23. **G. M. Linda, N. V. S. S. R. Laxmi, N. S. Murugan, R. P. Mahapatra, V. Muthukumaran, M. Sivaram**, "Intelligent Recognition System for Viewpoint Variations on Gait and Speech Using CNN CapsNet," *Emerald Publishing Limited*, 2021 (SCI, Impact Factor: 1.404).
24. **Rakesh Kumar Yadav, Rajendra Prasad Mahapatra**, "Hybrid Metaheuristic Algorithm for Optimal Cluster Head Selection in Wireless Sensor Network," *Pervasive and Mobile Computing*, November 2021, <https://doi.org/10.1016/j.pmcj.2021.101504> (SCI, Impact Factor: 3.453).
25. **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)*, October 2021, pp. 1-12 (SCI, Impact Factor: 3.79).
26. **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)*, August 2021 (SCI, Impact Factor: 8.038).
27. **Ying Zhen, T. Maragatan, Rajendra Prasad Mahapatra**, "Design and Implementation of Smart Home Energy Management Systems Using Green Energy," *Arabian Journal of Geosciences*, August 25, 2021 (SCI, Impact Factor: 1.827).
28. **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," *Journal of Scientific & Industrial Research (JSIR)*, July 2021 (SCI, Impact Factor: 0.555).
29. **R. K. Yadav, Rajendra Prasad Mahapatra**, "Energy-Aware Cluster Head Selection for Hierarchical Routing in Wireless Sensor Networks," *Computer Science Review (Elsevier)*, July 2021 (SCI, Impact Factor: 7.8).
30. **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 & Francis)*, 2021, <https://doi.org/10.1080/08327823.2021.1952833> (SCI, Impact Factor: 1.325).
31. **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 Communications (Springer)*, May 24, 2021, <https://doi.org/10.1007/s11277-021-08573-2> (SCI, Impact Factor: 1.671).
32. **Fang Zhi, R. P. Mahapatra, Selvaraj**, "Dynamic Data Processing System for Sports Training Using IoT," *Technology and Health Care (IOS Press)*, May 2021 (SCI, Impact Factor: 1.285), DOI: 10.3233/THC-213008.
33. **Atulya Gupta, R. P. Mahapatra**, "Multifactor Algorithm for Test Case Selection and Ordering," *Baghdad Science Journal (ESCI, Scopus SNIP: 0.729)*, Accepted.
34. **Neha Gupta, R. P. Mahapatra**, "An Effective Agile Development Process Using a Hybrid Intelligent Effort Estimation Protocol," *Journal of Ambient Intelligence and Humanized Computing (Springer)*, March 2021 (SCI, Impact Factor: 7.104).
35. **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 SNIP: 0.000).
36. **Rohit Sharma, R. Kumar, S. C. Sathpaty, N. Ansari, R. P. Mahapatra**, "Analysis of Water Pollution Using Different Physico-Chemical Parameters: Study of the Yamuna River," *Frontiers in Environmental Science*, 2020 (SCI).
37. **R. K. Yadav, R. P. Mahapatra**, "Energy-Aware Optimal Cluster Head Selection Using a 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).
38. **Adhira Subramaniam, Rajendra Prasad Mahapatra, Paramjit Singh**, "Taylor and Gradient Descent-Based Actor-Critic Neural Network for the Classification of Privacy-Preserved Medical Data," *Big Data*, 2019, Vol. 7(3), pp. 176-191 (SCI).
39. **Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayananda Mohanty**, "Recovery of Basic Valuable Metals and Alloys from E-Waste Using Microwave

- Heating Followed by Leaching and Cementation Process," *Sadhana*, 2019, Vol. 44(10), pp. 209:1-10 (SCI).
40. **S. Adhirai, Paramjit Singh, Rajendra Prasad Mahapatra**, "Circular Interpolation and Chronological-Whale Optimization-Based Privacy Preservation in Cloud," *International Journal of Computer Applications (Taylor & Francis)*, 2019, pp. 1-13, DOI: [10.1080/1206212X.2018.1560668](https://doi.org/10.1080/1206212X.2018.1560668) (Scopus, SCI Mago).
 41. **Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, 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).
 42. **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(10), 2018 (Scopus).
 43. **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).
 44. **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).
 45. **Anusua Dutta, 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).
 46. **R. P. 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).
 47. **Sachi Pandey, Rajendra Prasad Mahapatra**, "A Proficient Redundancy Exclusion Approach to Remove Network Overhead," *International Journal of Pure and Applied Mathematics*, 2018, Vol. 118(20), pp. 1605-1610 (Scopus).
 48. **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).
 49. **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).
 50. **Sachi Pandey, R. P. Mahapatra, Vishal Goar**, "Enduring Energy-Based Clustering Algorithm for Wireless Sensor Networks," *International Journal of Control Theory and Applications*, 2017, Vol. 10(13), pp. 133-140 (Scopus).
 51. **R. P. Mahapatra, Anurag Negi**, "Effective Software Fault Localization Using GA-RBF Neural Network," *Journal of Theoretical & Applied Information Technology*, 2016, Vol. 90(1), pp. 168-174 (Scopus).
 52. **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.
 53. **Shivani Jindal, R. P. Mahapatra, Divya Gupta**, "Face Recognition Using Gabor Wavelet and Self-Organizing Map (SOM)," *International Journal of Modern Trends in Engineering and Research*, 2016, Vol. 3(4), pp. 698-704.
 54. **P. Velmurugan, Rajendra Prasad Mahapatra**, "Effective Test Case Minimization and Fault Detection Capability Using Multiple Coverage Techniques," *International Journal of Applied Engineering Research*, 2016, Vol. 11(8), pp. 5389-5394 (Scopus).
 55. **P. Velmurugan, Rajendra Prasad Mahapatra**, "Effective Branch and DU Coverage Testing Through Test Case Prioritization Using Genetic Algorithm," *International Journal of Applied Engineering Research*, 2016, Vol. 90(1), pp. 40-48 (Scopus).

56. **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).
57. **Ridip De, R. P. Mahapatra, Partha Sarathi Chakraborty**, "Exploring and Expanding the World of Artificial Intelligence," *International Journal of Computer Application*, 2016, Vol. 134(2), pp. 1-4.
58. **Satya Sai Srikant, R. P. Mahapatra**, "Microwave Heat Transfer Mechanism and Absorption on Selected Valuable Minerals and Materials," 2016, pp. 96-103.
59. **Sanchit Narang, Shivam Sharma, Rajendra Prasad Mahapatra**, "Prevention of SQL Injection in E-Commerce," *International Journal of Computational Engineering Research*, 2015, Vol. 5(9), pp. 1-4.
60. **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).
61. **Mohd Kaleem, R. P. Mahapatra**, "Energy Consumption Using Network Stability and Multihop Protocol for Link Efficiency in Wireless Area Networks," *IOSR Journal of Computer Engineering*, 2014, Vol. 16(3), pp. 113-120.
62. **Pracheta Bansal, R. P. Mahapatra, Divya Gupta**, "An Enhanced DWT-SVD-Based Digital Watermarking Algorithm for Image Protection," *International Journal of Modern Trends in Engineering and Research*, Vol. 3(4), 2016, pp. 290-295.
63. **Shivani Jindal, R. P. Mahapatra, Divya Gupta**, "Face Recognition Using Gabor Wavelet and Self-Organizing Map (SOM)," *International Journal of Modern Trends in Engineering and Research*, Vol. 3(4), 2016, pp. 698-704.
64. **P. Velmurugan, R. P. Mahapatra**, "Optimized Test Case Minimization and Fault Detection Using Multiple Coverage Techniques," *International Journal of Applied Engineering Research*, Vol. 11(8), 2016, pp. 5389-5394 (Scopus).
65. **P. Velmurugan, R. P. Mahapatra**, "Test Case Prioritization for Effective Branch and DU Coverage Using Genetic Algorithm," *International Journal of Applied Engineering Research*, Vol. 90(1), 2016, pp. 40-48 (Scopus).
66. **R. P. Mahapatra, Ritvij Pathak, Karan Tiwari**, "A Hybrid Genetic and Bee Colony Optimization Algorithm for Test Suite Prioritization," *International Journal of Applied Engineering Research*, Vol. 92(1), 2016, pp. 154-161 (Scopus).
67. **Ridip De, R. P. Mahapatra, Partha Sarathi Chakraborty**, "Advancements and Future Directions in Artificial Intelligence," *International Journal of Computer Applications*, Vol. 134(2), 2016, pp. 1-4.
68. **Satya Sai Srikant, R. P. Mahapatra**, "Microwave Heat Transfer Mechanisms for Select Minerals and Materials," 2016, pp. 96-103.
69. **Sanchit Narang, Shivam Sharma, R. P. Mahapatra**, "Mitigating SQL Injection Attacks in E-Commerce Systems," *International Journal of Computational Engineering Research*, Vol. 5(9), 2015, pp. 1-4.
70. **R. P. Mahapatra, Rakesh Yadav**, "Comparative Analysis of Classical Routing Algorithms on Contention-Based MAC Protocols in Wireless Sensor Networks," *Journal of Information and Computing Science*, Vol. 9(1), 2014, pp. 31-36 (Scopus).
71. **Mohd Kaleem, R. P. Mahapatra**, "Energy-Efficient Multi-Hop Routing for Wireless Area Networks Using Network Stability Protocols," *IOSR Journal of Computer Engineering*, Vol. 16(3), 2014, pp. 113-120.
72. **Satya Sai Srikant, Rajendra Prasad Mahapatra**, "Read Range Optimization of UHF Passive RFID," *International Journal of Computer Theory and Engineering*, Vol. 2(3), 2010, pp. 323-325.
73. **R. P. Mahapatra, Tanvir Ahmed Abbasi, Mohd Suaib Abbasi**, "Proposed MANET Architecture for Disaster Area Communication," *International Journal of Computer Theory and Engineering*, Vol. 2(1), 2010, pp. 31-34.

74. **R. P. Mahapatra, K. Vimal Kumar**, "Panoramic Sensor-Based Blind Spot Accident Prevention System," *Journal of IPEM*, Vol. 3(1), 2009, pp. 46-53.
 75. **Nissu Garg, R. P. Mahapatra**, "Security Challenges in MANETs: A Comprehensive Analysis," *International Journal of Computer Science and Network Security*, Vol. 9(8), 2009, pp. 241-246 (SCI).
 76. **Prashant Mani, R. P. Mahapatra**, "VLSI Implementation of FIR Filter Using a Processor-Based Approach," *International Journal of Engineering, Research & Industrial Applications*, Vol. 2(3), 2009, pp. 319-328.
 77. **Prashant Mani, Junaid Khan, R. P. Mahapatra**, "BER Analysis for Different Diversity Combining Schemes & Channel Estimation in Multi-User DS-CDMA Systems Using Various Modulation Techniques," *International Journal of Engineering, Research & Industrial Applications*, Vol. 2(3), 2009, pp. 341-352.
 78. **Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayananda Mohanty**, "Green Technology for Precious Metal Recovery with Reduced Flue Gas Pollution," *Springer Link Advances in Intelligent Systems and Computing (ESCI)*, Vol. 1172.
 79. **Rajendra Prasad Mahapatra, Sachi Pandey, Vikas Chouhan, Devansh Chhettri, Himanshu Sharma**, "Real-Time Safety and Surveillance System Using Facial Recognition," *Springer Link Advances in Intelligent Systems and Computing (ESCI)*, Vol. 1172.
 80. **Rajendra Prasad Mahapatra, B. Muruganantham, Kriti Taparia, Mukul Kumar**, "Liver Disease Prediction Using an Ensemble-Based Approach," *Springer Link Advances in Intelligent Systems and Computing (ESCI)*, Vol. 1172.
-

CONFERENCE PAPERS

Conference Papers (2024)

1. **Sonam Sharma, Rajendra Prasad Mahapatra, Manoj Kapil, Dambrudhar Seth**, "Machine Learning Driven Load Balancing in Software Defined Networks: Recent Progress and Emerging Challenges", 2nd International Conference on Advancements and Key Challenges in Green Energy and Computing (AKGEC), 21-23 November 2024, vol. 972. [<https://doi.org/10.1109/AKGEC62572.2024.10868469>], **Electronic ISBN:979-8-3503-9017-9**
 2. **Arti Sharma, Rajendra Prasad Mahapatra, Vineet Kumar Sharma**, "Review of Efficient Load Balancing Techniques to Improve QoS Parameters in Fog Computing", Innovations in Data Analytics (Springer Scopus Conference Paper), ICIDA 2023, Lecture Notes in Networks and Systems, vol. 972. [DOI: 10.1007/978-981-97-3466-5_5]
 3. **Prem Narayan Singh, Rajendra Prasad Mahapatra**, "Arrhythmia Disease Detection Using Grey Wolf Optimized Deep Belief Network", ICSISCET 2023, April 24, 2024, pp. 327-338.
-

Conference Papers (2023)

1. Shruti Bibra, Srijan Singh, **R.P. Mahapatra**, "Synergizing Voice Cloning and ChatGPT for Multimodal Conversational Interfaces", ICDAM 2023, Volume 4, pp. 131-140.
 2. **Tejal Tiwary, Rajendra Prasad Mahapatra**, "Web Accessibility Challenges for Disabled Users and AI-based Generation of Alt Text for Images", IEEE Scopus Conference Paper, 3rd International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT), Ghaziabad, India, March 20, 2023, pp. 1-5. [DOI: 10.1109/ICICT55121.2022.10064545]
-

Conference Papers (2022)

1. **Arti Sharma, R.P. Mahapatra**, Vineet Kumar Sharma, "*Exploring Fog Computing in Comparison with IoT: Design and Evaluation Challenges*", ICRITO 2022 (IEEE Scopus Conference), Amity University, Noida, India, October 13-14, 2022, pp. 1-6.
2. S. Karthick, N. Gomathi, **R.P. Mahapatra**, Anitha Rajakumari, Pritee Parwekar, "*Security Challenges in Dynamic IoT-based Smart Home Automation and Their Solutions*", IRCTC 2022 (Springer Scopus Conference Paper), Lecture Notes in Networks and Systems, Vol. 341, pp. 739-760.

Conference Papers (2021)

1. **R.P. Mahapatra**, S.S. Srikant, R.B. Rao, B. Mohanty, "*Green Technology for Reducing Polluted Flue Gases during Precious Metals Recovery from E-Waste*", Intelligent Computing and Applications, pp. 715-720.
2. B. Muruganantham, **R.P. Mahapatra**, K. Taparia, M. Kumar, "*Liver Disease Prediction Using Ensemble-Based Approach*", Intelligent Computing and Applications, pp. 507-518.
3. S. Pandey, V. Chouhan, **R.P. Mahapatra**, D. Chhettri, H. Sharma, "*Real-Time Safety and Surveillance System Using Facial Recognition*", Intelligent Computing and Applications, pp. 497-506.
4. S. Kumar, **R.P. Mahapatra**, "*Optimization Model for Two-Warehouse Inventory Using Genetic Algorithm*", RDCAPE 2021 (IEEE Scopus Conference), pp. 171-177.
5. S. Kumar, **R.P. Mahapatra**, "*Analytical Approach to Two-Warehouse Inventory Model Using Particle Swarm Optimization*", 2nd Congress on Intelligent Systems 2021 (Scopus Springer Conference Paper).

Conference Papers (2020)

1. **R.P. Mahapatra**, Ezhilarasu Umadevi Palani, Karthik Kumar, Karthick S, "*Route Identification in Multihop Wireless Mobile Ad-Hoc Networks Using Dynamic Source Routing Protocol*", ICRTC-2020 (Scopus Springer Conference), SRM Institute of Science & Technology, Ghaziabad, July 3-4, 2020.
2. **Rajendra Prasad Mahapatra**, Atulya Gupta, "*Methodological Review of Recent NLP-driven Test Automation Approaches*", ICMIB-2020 (Scopus Springer Conference), Indira Gandhi Institute of Technology, Dhenkanal, Odisha.
3. **Rajendra Prasad Mahapatra**, Atulya Gupta, "*Comparative Study of Recent Sentiment Analysis Approaches*", WIECON-ECE 2020 (IEEE Scopus Conference), Bhubaneswar, India.
4. **Rajendra Prasad Mahapatra**, Neha Gupta, "*Hybrid Technique Combining WBS and Story Point Estimation for Effort Estimation in Agile Development*", AI, Robotics, and Automation Conference 2020, ISBN: 978-81-937760-4-9, pp. 16-19.
5. **Rajendra Prasad Mahapatra**, Neha Gupta, "*Factors for Estimating Effort Using ISM Approach in Agile Software Development*", AI, Robotics, and Automation Conference 2020, ISBN: 978-81-937760-4-9, pp. 181-185.

Conference Papers (2019)

1. **Rajendra Prasad Mahapatra**, Satya Sai Srikant, Raghupatruni Bhima Rao, Bijayanand Mohanty, "*Less Polluted Flue Gases Using Green Technology for Precious Metals Recovery from E-Waste*", 5th International Conference on Intelligent Computing and Applications (ICICA-2019), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 6-8, 2019.
2. **Rajendra Prasad Mahapatra**, Sachi Pandey, Vikas Chouhan, Devansh Chhettri, Himanshu Sharma, "*Real-Time Safety and Surveillance System Using Facial Recognition Mechanism*", 5th International Conference on Intelligent Computing and Applications (ICICA-2019), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 6-8, 2019.

3. **Rajendra Prasad Mahapatra**, B. Muruganantham, Kriti Taparia, Mukul Kumar, "*Liver Disease Prediction Using Ensemble-Based Approaches*", 5th International Conference on Intelligent Computing and Applications (ICICA-2019), 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), Dubai, UAE, February 1, 2019.
 5. **Dr. R.P. Mahapatra**, "*Weather Data Analytics Using Hadoop with MapReduce*", International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC), IEEE Conference, January 31, 2019.
-

Conference Papers (2018)

1. K. Vikram, **R.P. Mahapatra**, Devender Jain, Karthick, "*Security Analysis of Smart Embedded Systems Using IoT*", 5th International Conference on Recent Trends in Computing (ICRTC-2018), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 27-28, 2018.
 2. **R.P. Mahapatra**, "*Natural Language Processing and Big Data Applications*", 5th International Conference on Recent Trends in Computing (ICRTC-2018), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 27-28, 2018.
 3. S. Adhirai, **R.P. Mahapatra**, Paramjit Singh, "*The Whale Optimization Algorithm and Its MATLAB Implementation*", World Academy of Science and Technology (WASET), International Journal of Computer and Information Engineering, San Francisco, USA, June 6-7, 2018.
 4. Himanshu Kumar, Prabhav Gupta, **R.P. Mahapatra**, "*Protocol-Based Ensemble Classifier for Malicious URL Detection*", IEEE, October 10, 2018.
-

Conference Papers (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, December 14-15, 2017.
 2. **R.P. Mahapatra**, Aparna Ranjith, A. Kulothungan, "*Framework for Optimizing Test Case Selection in Regression Testing*", International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 14-15, 2017.
 3. Rakesh Kumar Yadav, **Rajendra Prasad Mahapatra**, "*Efficient Data Transmission in WSNs Using Secure Techniques*", International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 14-15, 2017.
 4. Sachi Pandey, **Rajendra Prasad Mahapatra**, "*Proficient Redundancy Exclusion to Minimize Network Redundancy in WSN*", International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 14-15, 2017.
 5. Anusua Dutta, **Rajendra Prasad Mahapatra**, "*Survey on Test Case Reduction Techniques*", International Conference on Recent Trends in Computing (ICRTC-2017), SRM Institute of Science & Technology, NCR Campus, Ghaziabad, December 14-15, 2017.
-

Conference Papers (2016)

1. **P. Velmurugan, Rajendra Prasad Mahapatra**, "*Effective Test Case Retaining Using Branch Coverage Technique*", IEEE Conference, 2016, p. 511.

2. **Annurag Nagi, R.P. Mahapatra**, "*A Study of Software Faulty Localization Techniques*", 2nd International Conference on Recent Trends in Engineering and Management, February 20, 2016.

Conference Papers (2015)

1. **Rajendra Prasad Mahapatra**, Rakesh Kumar Yadav, "*Descendant of LEACH Based Routing Protocols in Wireless Sensor Networks*", Elsevier Procedia of Computer Science, ICRTC 2015, SRM Institute of Science & Technology, NCR Campus, Ghaziabad, March 12-13, 2015, p. 61.
2. **Rajendra Prasad Mahapatra**, Rakesh Kumar Yadav, "*Comparative Analysis of Nearest Neighbor Query Processing*", Elsevier Procedia of Computer Science, ICRTC 2015, SRM Institute of Science & Technology, NCR Campus, Ghaziabad, March 12-13, 2015, p. 78.
3. **R.P. Mahapatra**, "*A Centralized Comparison of Energy Efficient Routing Protocol for Mobile and Static Wireless Sensor Network*", ICCC 2015, Bhubaneswar, Elsevier Procedia of Computer Science, pp. 467-471.
4. Mohd Kaleem, Anand Mohan Tripathi, **R.P. Mahapatra**, "*Wireless Body Area Networks for Health Care: A Survey*", International Conference on Recent Development in Computational and Information Technology (ICRDCIT 2014), SRM University, NCR Campus, March 7-8, 2014.
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), SRM University, NCR Campus, March 7-8, 2014.

Conference Papers (2012)

1. **R.P. Mahapatra**, Subi Khan, "*Token Based Approach to Block SQL Injection Attacks*", International Journal of Computer Science and Technology (JCST), Vol. 3, Issue 2, April-June 2012, ISSN-2229-4333, pp. 916-921.
2. **R.P. Mahapatra**, Shalini Tiwari, "*A Survey on Routing Protocols in Underwater Wireless Sensor Networks*", Proceedings of the International Conference on Recent Trends in Computing (ICRTC), SRM University, NCR Campus, October 4-5, 2012, p. 245.
3. **R.P. Mahapatra**, Puneet Sharma, Vikas Upadhyay, "*Analyzing the Integrity of Data in Cloud Storage*", Proceedings of the International Conference on Recent Trends in Computing (ICRTC), SRM University, NCR Campus, October 4-5, 2012, p. 254.
4. Sachi Pandey, **R.P. Mahapatra**, "*Comparative Performance Analysis of AODV, DSDV and DSR Routing Protocols in MANET using NS-2 Simulator*", Proceedings of the International Conference on Recent Trends in Computing (ICRTC), SRM University, NCR Campus, October 4-5, 2012, p. 304.
5. Narest Sharma, **R.P. Mahapatra**, Mool Chand Sharma, "*Increasing Search Engine Efficiency using Personalization*", Proceedings of the International Conference on Recent Trends in Computing (ICRTC), SRM University, NCR Campus, October 4-5, 2012, p. 329.

Conference Papers (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, pp. 1-9.
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, pp. 10-13.
3. **R.P. Mahapatra**, Manish Bhardwaj, Sachi Pandey, "*Global Mobile Information Simulator in Windows XP to Analyze the Performance of Routing Protocols in MANET*", IEEE International

- Conference on Network Communication and Computer (ICNCC-2011), March 21-23, 2011, New Delhi, pp. 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, pp. 616-623.
 5. **R.P. Mahapatra**, M. Mohan, Kulothungan, "*Effective Tool for Test Case Execution Time Reduction*", International Symposium on Computing, Communication and Control (ISCCC-2009), Published 2011, IACSIT Press.
 6. **R.P. Mahapatra**, Roopam Mahajan, Rajendra Nahil, "*Modified Quantum Cryptography Using Barcodes*", 2009 International Symposium on Computing, Communication and Control (ISCC 2009), Published 2011, IACSIT Press, Singapore.
-

Conference Papers (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.
-

Conference Papers (2009)

1. **R.P. Mahapatra**, K. Vimal Kumar, "*Panoramic Sensor-based Blind Spot Accident Prevention System*", Proceedings of WASET Vol-37, January 28-30, 2009, ISSN: 2070-3740, pp. 915-921, Dubai.
-

Conference Papers (2008)

1. **R.P. Mahapatra**, "*Integrating Generative and Aspect Oriented Technologies for Framework Instantiation*", World Academy of Science, Engineering & Technology, p. 367, 2008.
 2. **R.P. Mahapatra**, "*Ultrasonic Sensor-based Blind Spot Accident Prevention System*", IEEE-CNF Proceedings, ICACTE 2008, International Conference, Phuket, Thailand, December 20-22, 2008, listed in IEEE Xplore, Digital Library, ISBN: 978-0-7695-3489-3.
 3. **R.P. Mahapatra**, "*Improving the Effectiveness of Software Testing through Test Case Reduction*", Proceedings of World Academy of Science, Engineering & Technology, Volume 27, February 2008, ISSN: 1307-6884, Cairo, Egypt.
-

Conference Papers (2007)

1. **R.P. Mahapatra**, "*Design of Effective Learning Algorithms for Agents in AI Environment*", International Conference at Jabalpur Engineering College, December 27-29, 2007, Proceedings Journal, Vol. 1, pp. 268-272.
 2. Jitendra Singh, **R.P. Mahapatra**, "*Secure User Authentication for Corporate Sector*", SPIT-IEEE International Conference, Proceedings Vol. 5, pp. 151-153, SPIT, Mumbai, February 4-5, 2007.
-

PATENTS

1. "**Automated Security Management in Edge Computing**"
Application Number: 202311010171
Published: June 2, 2023
Status: Published
2. "**IoT-Based Smart Home Model to Support the Elderly**"
Application Number: 202022104738
Published: November 17, 2022
Status: Patent Granted (Federal Republic of Germany)

3. **"IoT-Based Smart Home Model for Assisting Elderly People"**
Application Number: 202211037454
Published: July 8, 2022
Status: Published
4. **"Blind Man's Stick with Smart Sensor"**
Application Number: 360145-001
Published: May 20, 2022
Status: Published and Granted
5. **"Convolution Neural Networks-Based Image Compression for High-Quality Multifocus Fused Images"**
Application Number: 2021105709
Published: December 1, 2021
Status: Granted
6. **"Smart Artificial Intelligence-Based Fleet Analytic System"**
Application Number: 2021106612
Published: November 24, 2021
Status: Granted
7. **"French to English Audio Translation Using ML and Autonomous Back Translation Under Noise-Prone Environment"**
Application Number: 2021102175
Published: June 2, 2021
Status: Published and Granted
8. **"Design and Development of Affordable Organic Footwear for Underprivileged People"**
Application Number: 202111003484
Published: January 29, 2021
Status: Published
9. **"IoT-Based Home Antitheist System"**
Application Number: 202041047694
Published: November 13, 2020
Status: Published
10. **"IoT Network Communication Process to Prevent Machine Learning Attack Using Lockdown Protocol"**
Application Number: 2020101606
Published: August 1, 2020
Status: Published
11. **"Inertial Measurement Unit for Wearable Continuous Human Motion Information System"**
Application Number: 2020102947
Published: October 22, 2020
Status: Granted
12. **"Artificial Intelligence Tailored Interactive Smart Mirror"**
Application Number: 202141039094
Published: September 10, 2021
Status: Published
13. **"Optimizing Framework for Crconoma Cancer Type Using Deep Reinforcement Learning Technique"**
Application Number: 202141042296A
Published: October 1, 2021
Status: Published
14. **"Mental Status Analyzing System Using Scanned Handwriting"**
Application Number: 202121013879
Published: 2021
Status: Published

RESEARCH GUIDED (14 Ph.D. Scholars Awarded)

1. **Priyanka Gupta** – Awarded Ph.D. on November 13, 2024
University: SRM Institute of Science and Technology
Year of Registration: 2019
2. **Atulya Gupta** – Awarded Ph.D. on August 9, 2024
University: SRM Institute of Science and Technology
Year of Registration: 2019
3. **Tejal Tiwari** – Awarded Ph.D. on October 13, 2023
University: SRM Institute of Science and Technology
Year of Registration: 2016
4. **Neha Gupta** – Awarded Ph.D. on March 6, 2023
University: SRM Institute of Science and Technology
Year of Registration: 2016
5. **Sunil Kumar** – Awarded Ph.D. on August 5, 2022
University: SRM Institute of Science and Technology
Year of Registration: 2016
6. **Rakesh Kumar Yadav** – Awarded Ph.D. in 2020
University: SRM Institute of Science and Technology
Year of Registration: 2012
7. **S. Adhirai** – Awarded Ph.D. in 2020
University: SRM Institute of Science and Technology
Year of Registration: 2015
8. **Sachi Pandey** – Awarded Ph.D. in 2018
University: SRM Institute of Science and Technology
Year of Registration: 2013
9. **P. Velmurugan** – Awarded Ph.D. in 2017
University: SRM Institute of Science and Technology
Year of Registration: 2012
10. **Devesh Kumar Bandil** – Awarded Ph.D. on June 25, 2017
University: SunRise University
Year of Registration: 2017
11. **Vipul Singhal** – Awarded Ph.D. on December 10, 2016
University: SunRise University
Year of Registration: 2016
12. **Mahesh Gupta** – Awarded Ph.D. on May 12, 2023
University: SRM Institute of Science and Technology
Year of Registration: 2019
13. **Vinti Gupta** – Awarded Ph.D. on October 14, 2024
University: SRM Institute of Science and Technology
Year of Registration: 2021
14. **Rajneesh** – Awarded Ph.D. on September 25, 2023
University: SRM Institute of Science and Technology
Year of Registration: 2021

Thesis Submitted

- **Sonam Sharma**
 - **Topic:** Load Balancing in Software Defined Networks
 - **Submission Date:** January 2025
 - **University:** SRM Institute of Science and Technology

Comprehensive Exam Completed

1. **Abhilash** – 2018
 2. **Arun Kumar** – 2019
 3. **Prem Narayan Singh** – 2021
 4. **Sourabh Kr Gupta** – 2021
 5. **Akanksha Agarwal** – 2021
 6. **Umang Rastogi** - 2021
-

BOOK PUBLICATIONS

1. **Machine Learning for Predictive Analytics**
Authors: Rajendra Prasad Mahapatra, Dr. Rolly Gupta, Dr. Saurabh Sharma
2. **Cyber Security and Digital Forensics: Challenges and Future Paradigms**
Authors: Rajendra Prasad Mahapatra, Dr. Juhi Singh, Dr. Rolly Gupta
3. **Database Management System**
Authors: Rajendra Prasad Mahapatra, Govind Verma
ISBN: 978-93-82609-15-5 | First Edition: Jan 2013 | Khanna Book Publishing Co. (P) Ltd., Delhi
4. **Software Engineering**
Authors: Rajendra Prasad Mahapatra, Govind Verma
ISBN: 978-93-81068-15-5 | First Edition: July 2015 | Khanna Book Publishing Co. (P) Ltd., Delhi
5. **Analysis and Interpretation of Elias-Fano Coding for Sorted Integers**
Authors: Ezhilarasu Umadevi Palani, Rajendra Prasad Mahapatra, Ramaswamy Senthil
ISBN: 978-620-0-11910-0 | Lambert Academic Publishing, 2019
6. **Finite Automata: Problems & Solutions**
Authors: Ezhilarasu Umadevi Palani, Rajendra Prasad Mahapatra, Karthick Subramani
ISBN: 978-620-0-21347-1 | Lambert Academic Publishing, 2019
7. **Finite Automata for 3 Unique Input Characters**
Authors: Ezhilarasu Umadevi Palani, Rajendra Prasad Mahapatra
ISBN: 978-620-0-11475-4 | Lambert Academic Publishing, 2019
8. **Data Security in Internet-Based RFID and WSN System Applications**
Authors: Rajendra Prasad Mahapatra, Rohit Sharma
RC Publisher, 2020
9. **Web Mining: Noise-Free Content**
Authors: Sivakumar Ponnusamy, Rajendra Prasad Mahapatra, Prem Narayan Singh
SK Research Group of Companies

BOOK CHAPTERS

1. **Evolution of Big Data Analytics in the Internet of Things: Applications and Future Plans**
Publisher: Springer Nature Singapore Pte Ltd, 2020
eBook ISBN: 978-981-13-8759-3 | Series ISSN: 1868-9394 | Pages: XII, 485
 2. **Transforming Healthcare Through Various Techniques in the Internet of Things**
Publisher: Springer Nature Switzerland AG, 2020
eBook ISBN: 978-3-030-23983-1 | Series ISSN: 1868-4394 | Pages: XIV, 351
 3. **A Handbook of Internet of Things in Biomedical and Cyber-Physical Systems in Connection with IoT**
Publisher: Springer, 26 September 2019
ISBN: 978-3-030-23982-4 | Springer.com
 4. **The Internet of Things and Its Applications in Cyber Security**
Publisher: Springer.com
 5. **Role of Internet of Things and IT in Healthcare**
Publisher: Springer Pte Ltd, 2020
Volume 2, Studies in Big Data, Chapter 67
-

AWARDS AND HONORS

- **Institution Award** from the Institution of Engineers (India), Odisha State Centre, 63rd Annual Technical Session, April 23, 2024
 - **Outstanding Leadership Award**, College Duniya, New Delhi, 2023
 - **Leadership in Higher Education Award**, Jaipur, November 2023
 - **Best Paper Award** for outstanding presentation at the 2nd International Conference on Innovations in Data Analytics, November 29-30, 2023
 - **Teacher Excellence Award**, Government of NCT, New Delhi, September 2023
 - **Best Teacher Award**, September 5, 2022
 - **Madhusudan Memorial Award**, Institution of Engineers (India), Odisha State Centre, 57th Annual Technical Session, February 14, 2016
 - **Institution Award**, Institution of Engineers (India), Odisha State Centre, 56th Annual Technical Session, February 15, 2015
 - **Certificate of Excellence**, SRM University, NCR Campus, February 9, 2015.
-

AICTE Grants Received

- **Rs. 93,000** for organizing an ATAL Faculty Development Programme (FDP)
 - **Rs. 4,00,000** for organizing an International Conference
 - **Rs. 1,00,000** for organizing a Hackathon
-

PROFESSIONAL MEMBERSHIPS

- Senior Member, IEEE (Membership No: 92963911)

- Fellow, The Institution of Engineers (India) – F.I.E (India), F-118113-7
 - Member, Computer Society of India
 - Member, International Association of Engineers (MIAENG), U.K.
 - Life Member, Indian Society for Technical Education (M.I.S.T.E), New Delhi
 - Senior Member, International Association of Computer Science and Information Technology (SMIACSIT), Singapore
 - Member, KES International Intelligent Society
-

Undergraduate Courses Taught

- Database Management Systems
- Compiler Design
- System Software
- System Analysis and Design
- Neural Networks
- Theory of Computation
- Web Technology
- Software Engineering
- Software Quality

Postgraduate Courses Taught

- Software Engineering
 - Database Management Systems
 - Computer Networks
 - Artificial Intelligence
 - Compiler Design
 - Distributed Operating Systems
 - Object-Oriented Design
-

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java
 - **Operating Systems:** Windows 95/98, Linux Red Hat, UNIX
 - **Relational Database Management Systems (RDBMS):** DB2, Oracle 8i
 - **Enterprise Resource Planning (ERP):** SAP BW 3.5
-

ROLES & RESPONSIBILITIES:

- **Dean, NCR Campus, SRMIST** (Dec 2023 - Present)
- **Dean (CET), SRMIST, NCR Campus** (May 2023 - Present)

- **Dean (Admissions), SRMIST, NCR Campus** (Jan 2016 - Present)
 - **Head of the Department, Computer Science and Engineering**, SRMIST (Aug 2006 - May 2023)
 - **General Chair**, International Conference on Recent Trends in Computing (Organized in 2011 & 2015 in collaboration with IEEE and Elsevier) at SRM University, NCR Campus
 - **Coordinator**, ISTE-STTP Program on "Virtualization Technology using VMware" (Funded by ISTE, May 2014)
 - **Coordinator**, Guest Lectures and In-Plant Training Sessions
 - **Coordinator**, M.Tech and Ph.D. Programs
 - **NAAC & UGC Coordinator**, SRM University, NCR Campus
-

ACHIEVEMENTS:

- **Keynote Speaker**, AI-Power Learning organized by ZIES held on 8th November 2024 at India Habitat Centre, New Delhi.
- **General Chair**, International Conference on Software Technology and Engineering, scheduled for June 27-29, 2009
- **Chairperson**, National Conference on E-Governance for Rural Development, held on April 17-18, 2009
- **Best Research Paper Award**, International Conference, USA (March 31st - April 1st, 2008)
- **Editor**, International Journal of Systemics, Informatics, and Cybernetics
- **Reviewer**, Elsevier International Journal: *Computer Vision for Image Understanding*
- **Peer Reviewer**, Papers for 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, Eritrea**

M.Tech Dissertation:

Guided over 23 M.Tech dissertations in the Computer Science and Engineering Department.

B.Tech Dissertation:

Supervised more than 100 B.Tech dissertations in the Computer Science and Engineering Department.

PERSONAL DETAILS:

- **Name** : Dr. Rajendra Prasad Mahapatra
- **Father's Name** : Dr. Bhagaban Mahapatra
- **Date of Birth** : 03 June 1971
- **Nationality** : Indian
- **Passport No** : F0294950

- **Languages Known** : English, Hindi, Oriya, Tamil, Amharic
- **Marital Status** : Married
- **Permanent Address** : Dr. Rajendra Prasad Mahapatra
A-24, National Apartments, Plot-4, Sector-3
Dwarka, New Delhi - 110078
- **Email** : mahapatra.rp@gmail.com
- **Mobile No** : 7906561813

References:

1. **Prof. G. R. C. Reddy**
Former Director, NIT Warangal
Email: grcredy@yahoo.com
Mobile: +91-9422443979
2. **Prof. Rajat Gupta**
Former Director, National Institute of Technology Mizoram
Email: rguptanitsri@gmail.com
Mobile: +91-9435171942, +91-9077490190

Date:

Place:

(Prof. Rajendra Prasad Mahapatra)