

## Prof. Dharmender Singh Kushwaha

### Book:

- Data Structures A Programming with C, A. K. Mishra, PHI, 2012
- Data Structures A programming with C, A.K. Mishra, PHI, 2014

### Patents:

| Sr. No. | Authors  | Title   | Date of Filing  | Application No. | Field of Innovation | Published /Granted                              |
|---------|--|---|---|-----------------|---------------------|---|
| 1       | Dr. Amrendra SinghYadav, Prof. Dharmender Singh Kushwaha & Others                | A System For Block chain-Based Service Link Data Checking And Method Thereof                | 16/11/2020<br>Date of Publication (U/S 11A): 31.12.2021 | 202111060791    | COMMUNICAT-ION      |   |
| 2       | Dr. Biru Rajak, Dr.Amrendra SinghYadav, Prof. Dharmender Singh Kushwaha & Others | A System Based On Block chain For Providing User Recommendation Features And Method Thereof | 10/12/2021<br>Date of Publication (U/S 11A): 31.12.2021 | 202131052635    | COMPUTER SCIENCE    |   |
| 3       | Dr.Dushyant Kumar Singh & Prof. Dharmender Singh Kushwaha                        | An Artificial Intelligence Based Enhanced Surveillance System And Method                    | 09.12.2021  | 202111057419    | COMPUTER SCIENCE    |   |
| 4       | Dr. Biru Rajak, Dr. Dushyant Kumar Singh & Prof. Dharmender SinghKushwaha        | A Dynamic Emergency Vehicle Clearance System  | 26.01.2022  | 202211024605    | COMPUTER SCIENCE    |   |
| 5       | Dr. Amrendra SinghYadav, Prof. DharmendraSingh Kushwaha & Others                 | Smart AI based Indoor Air Purification device   | 20.07.2022  | 368067-001      | COMPUTER SCIENCE    | Accepted  |
| 6       | Dr. Amarendra SinghYadav, Prof. Dharmender Singh Kushwaha & Others               | AI based Smart Glasses for Identifying Skin Disease   | 17.08.2022  | 369319-001      | COMPUTER SCIENCE    | Yes<br>04.01.20.23<br><br>Design No. 369319-001 |

**Journal Papers:**

| S.No. | Journal Paper   | Name of Journal  | Impact Factor |
|-------|---|--|---------------|
| 1.    | An Integrated Deep Learning Prediction Approach for Efficient Modelling of Host Load Patterns in Cloud Computing , E Patel, DS Kushwaha, Journal of Grid Computing 21 (1), 1-24, 2023 December 2022   | Journal of Grid Computing  | 4.038         |
| 2.    | Restoration and fuzzy logic-based formation of multipath routing protocol in MANET, AS Yadav , N Rakesh, A Vidyarthi, RK Barik, A Singhal, DS Kushwaha, International Journal of System Assurance Engineering and Management, 1-16, 2022                                | International Journal of System Assurance Engineering and Management | 2.02          |
| 3.    | Distributed Ledger Technology based Land Transaction System with Trusted Nodes Consensus Mechanism, AS Yadav, S Agrawal, DS Kushwaha, Journal of King Saud University-Computer and Information Sciences 34 (8..., 2022  | Journal of King Saud University-Computer and Information Sciences    | 13.473        |
| 4.    | Digitization of Land Record Through Blockchain-based Consensus Algorithm, AS Yadav, DS Kushwaha, IETE Technical Review 39 (4), 799-816, 2022 2021   | IETE Technical Review  | 2.2           |
| 5.    | A hybrid CNN- LSTM model for predicting server load in cloud computing , E Patel, DS Kushwaha, The Journal of Supercomputing 78 (8), 1-30, 2022   | The Journal of Supercomputing  | 2.6           |
| 6.    | Copyright Infringement Detection of Multimedia Objects using KL Transform, S Pandey, NR Pradhan, AP Singh, DS Kushwaha, 2022 4th International Conference on Energy, Power and Environment(ICEPE), 1-4, 2022  | 4th International Conference on Energy, Power and Environment(ICEPE) |               |
| 7.    | Sidechain: Storage Land Registry Data using Blockchain Improve Performance of Search Records, Amrendra Singh Yadav, Nikita Singh , DS Kushwaha, Cluster Computing (SCIE, I.F. 1.809), 2022  | Cluster Computing  | 1.809         |
| 8.    | A Scalable Trust based Consensus Mechanism for Secure and Tamper Free Property Transaction Mechanism using DLT, Amrendra Singh Yadav, Nikita Singh, DS Kushwaha, International Journal of System Assurance Engineering and Management (ESCI, I.F. 0.300), 2022 sep 2021 | International Journal of System Assurance Engineering and Management | 0.300         |
| 9.    | Employing data generation for visual weapon identification using Convolutional Neural Networks, N Dwivedi, DK Singh, DS Kushwaha, Multimedia Systems 28, 347-360 (2..., 2022  | Multimedia Systems   | 2.018         |
| 10.   | An efficient tasks scheduling algorithm for batch processing heterogeneous cloud environment, DK Shukla, D Kumar, DS Kushwaha, International Journal of Advanced Intelligence Paradigms 23 (1-2), 203-216, 2022   | International Journal of Advanced Intelligence Paradigms             | 0.617         |
| 11.   | Blockchain-based digitization of land record through trust value-based consensus algorithm, Amrendra Singh Yadav ,Peer-to-Peer Networking and Applications (SCIE, I.F. 3.307) 2021  | Peer-to-Peer Networking and Applications                             | 3.307         |
| 12.   | International Journal of Applied Metaheuristic Computing, RK Sachan, DS Kushwaha, R Ramalingam, S Settu, A Gopu,...., International Journal of Applied Metaheuristic Computing 12 (4), 2021   | International Journal of Applied Metaheuristic Computing             | 0.841         |

|     |  |   |        |
|-----|--|---|--------|
| 13. | An Efficient Congestion Avoiding Approach for Optimal Path Finding for Emergency Vehicle, Biru Rajak, Shrabani Mallick ,DS Kushwaha, Recent Advances in Computer Science and Communications (Scopus Indexed) 2021                                    | Recent Advances in Computer Science and Communications                | 1.06   |
| 14. | Solving the Uncapacitated Single Allocation p-Hub Location Problem with Fixed Cost using Anti- Predatory NIA, Rohit Kumar Sachan, DS Kushwaha, Recent Advances in Computer Science and Communications (Formerly: Recent..., 2021                     | Recent Advances in Computer Science and Communications                | 1.06   |
| 15. | A Multi-objective Anti-Predatory NIA for E-Commerce Logistics Problem, Rohit Kumar Sachan, DS Kushwaha, International Journal of Applied Metaheuristic Computing (IJAMC) 12 (4), 1-27, 2021  | International Journal of Applied Metaheuristic Computing              | 0.841  |
| 16. | Inspirations from Nature for Meta-Heuristic Algorithms:A Survey, Rohit Kumar Sachan, DS Kushwaha, Recent Advances in Computer Science and Communications (Scopus Indexed) 2021   | Recent Advances in Computer Science and Communications                | 1.06   |
| 17. | Nature-Inspired Optimization Algorithms: Research Direction and Survey, RK Sachan, DS Kushwaha, IIT Kanpur, India, 2021  | IIT Kanpur, India   |        |
| 18. | Query Optimization in a Blockchain-based Land Registry Management System, Amrendra Singh Yadav, DS Kushwaha, Ingénierie Des Systèmes D' Information (Scopus Indexed) 2021  | Ingénierie des Systèmes D' Information                                | 1.66   |
| 19. | Task scheduling to reduce energy consumption and makespan of cloud computing using NSGA- II, Dharendra Kumar Shukla, Divya Kumar, DS Kushwaha, Materials Today: Proceedings (Scopus Indexed) 2021  | Proceedings   | 1.46   |
| 20. | A Best Effort Classification Model For Sars-Cov-2 Carriers Using Random Forest, Shrabani Mallick, Biru Rajak, Ashish Kumar Verma, DS Kushwaha, International Journal of Computer Science and Network Security (ESCI) 2021                            | International Journal of Computer Science and Network Security (ESCI) | 1.5    |
| 21. | Digitization of Land Record through Blockchain-based Consensus Algorithm, Amrendra Singh Yadav, DS Kushwaha, IETE Technical Review (SCIE, I.F. 2.200) 2021   | IETE Technical Review   | 2.2    |
| 22. | Distributed Ledger Technology based Land Transaction System with Trusted Nodes Consensus Mechanism, Amrendra Singh Yadav, Shivani Agrawal, DS Kushwaha, Journal of King Saud University - Computer and Information Sciences (SCIE, I.F. 13.473) 2021 | Journal of King Saud University - Computer and Information Sciences   | 13.473 |
| 23. | Network Traffic Vulnerability Analysis using Machine Learning A comparative approach, Shrabani Mallick, International Journal of Computer Science and Network Security (ESCI) 2020   | International Journal of Computer Science and Network Security (ESCI) | 1.5    |
| 24. | Orientation Invariant Skeleton Feature (OISF): a new feature for Human Activity Recognition, Neelam Dwivedi,Dushyant Kumar Singh, DS Kushwaha, Multimedia Tools and Applications (SCIE, I.F. 2.313) 2020   | Multimedia Tools and Applications                                     | 2.313  |
| 25. | Securing and Managing Army Cantonment in India Using Internet of Things, Tarun Kumar, Pawan Kukreja, Sanjeev Pippal, DS Kushwaha, Journal of Mechanics of Continua and Mathematical Sciences (ESCI) 2020   | Journal of Mechanics of Continua and Mathematical Sciences            | 2.8191 |

|     |   |  |        |
|-----|---|--|--------|
| 26. | Solving the E-Commerce Logistic Problem using Anti-Predatory NIA, Rohit Kumar Sachan, Tarun Kumar, DS Kushwaha, International Journal of Intelligent Engineering Informatics (IJIEI) (ESCI) 2020  | International Journal of Intelligent Engineering Informatics (IJIEI)             | 1.173  |
| 27. | Anti-Predatory NIA for Unconstrained Mathematical Optimization Problems, Rohit Kumar Sachan, DS Kushwaha, International Journal of Swarm Intelligence Research (IJSIR) (ESCI) 2020  | International Journal of Swarm Intelligence Research (IJSIR)                     | 1.86   |
| 28. | An Efficient Emergency Vehicle Clearance Mechanism for Smart Cities, Biru Rajak, Shrabani Mallick, DS Kushwaha, Journal of Mechanics of Continua and Mathematical Sciences (ESCI) 2019  | Journal of Mechanics of Continua and Mathematical Sciences (ESCI)                | 2.8191 |
| 29. | An Intelligent Reconnaissance Framework for Homeland Security, Tarun Kumar, DS Kushwaha, Defence Science Journal (SCIE, I.F. 0.200) 2019  | Defence Science Journal  | 0.200  |
| 30. | An Intelligent Surveillance System based on IoT for Internal Security of a Nation, Tarun Kumar, DS Kushwaha, International Journal of Information Security and Privacy (IJISP) (ESCI) 2019  | International Journal of Information Security and Privacy (IJISP)                | 1.15   |
| 31. | A Generalized and Robust Anti-Predatory Nature-Inspired Algorithm for Complex Problems, Rohit Kumar Sachan, DS Kushwaha, International Journal of Applied Metaheuristic Computing (ESCI) 2019   | International Journal of Applied Metaheuristic Computing (ESCI)                  | 0.841  |
| 32. | Traffic Surveillance & Speed Limit Violation Detection System, pp 3761-3773, Tarun Kumar, DS Kushwaha, Journal of Intelligent & Fuzzy Systems (SCIE) 2017   | Journal of Intelligent & Fuzzy Systems (SCIE)                                    | 1.737  |
| 33. | A Dynamic File Replication Based On CPU Load And Consistency Mechanism In A Trusted Distributed Environment, pp 147-160, Manu Vardhan, DS Kushwaha, Tehnicki vjesnik-Technical Gazette (SCIE, I.F. 0.644) 2017  | Tehnicki vjesnik-Technical Gazette   | 0.783  |
| 34. | Automatic Intruder Combat System: A way to Smart Surveillance, pp 50 -58, Dushant Kumar Singh, DS Kushwaha, Defense Science Journal (SCIE, I.F. 0.200) 2017   | Defense Science Journal  | 0.783  |
| 35. | A dynamic file replication and consistency mechanism for efficient data center operation and its formal verification, pp 65-85, Manu Vardhan, DS Kushwaha, Acta Polytechnica Hungarica (SCIE, I.F. 1.286) 2014  | Acta Polytechnica Hungarica  | 1.806  |
| 36. | A Versatile Approach for the Estimation of Software Development Effort Based on SRS Document , pp 1-42, Ashish Sharma Manu Vardhan, DS Kushwaha, International Journal of Software Engineering and Knowledge Engineering (IJSEKE) (SCIE, I.F. 0.644) 2014 | International Journal of Software Engineering and Knowledge Engineering (IJSEKE) | 0.299  |
| 37. | A Dynamic Consistency Aware File Replication Mechanism & its Application in Data Centre, Manu Vardhan, DS Kushwaha, International Arab Journal of Information Technology (IAJIT) (SCIE, I.F. 0.410) 2014  | International Arab Journal of Information Technology (IAJIT)                     | 0.967  |
| 38. | A Simple, Adaptable and Efficient Heterogeneous Multi-Tenant Database Architecture for Ad hoc Cloud, Sanjeev Pippal, DS Kushwaha, Journal of Cloud Computing: Advances, Systems and Applications (SCIE, I.F. 2.788) 2013                                  | Journal of Cloud Computing: Advances, Systems and Applications                   | 2.788  |

|     |   |   |       |
|-----|---|---|-------|
| 39. | Hybrid reliable load balancing with MOSIX as middleware and its formal verification using process algebra, pp 506-526, Shakti Mishra, A.K.Misra, DS Kushwaha, Future Generation Computer Systems (SCIE, I.F. 6.125) 2011            | Future Generation Computer Systems                                | 6.125 |
| 40. | Simulation of Emergency Vehicle for Shortest Path in Sumo, BiruRajak, Dekate Shantanu Pradip, Aakash Chandhoke, DS Kushwaha , New Horizons (UGC) 2021   | New Horizons  |       |
| 41. | Makespan Optimization for Dependent Task Scheduling On Multiprocessing System Using Beta ABC, Dharendra Kumar Shukla, Divya Kumar, DS Kushwaha, Journal of Adv. Research in Dynamical and Control Systems (Scopus Indexed) 2020     | Journal of Advanced Research in Dynamical and Control Systems     | 0.308 |
| 42. | An efficient tasks scheduling algorithm for batch processing heterogeneous cloud environment, Dharendra Kumar Shukla, Divya Kumar, DS Kushwaha, International Journal of Advanced Intelligence Paradigms (Scopus Indexed) 2020      | International Journal of Advanced Intelligence Paradigms          | 0.62  |
| 43. | Analysis of face feature based human detection techniques, pp 173 - 180, Dushyant Kumar Singh, DS Kushwaha, International Journal of Control Theory and Applications (Scopus Indexed) 2016  | International Journal of Control Theory and Applications          |       |
| 44. | ILUT based Skin Color Modeling for Human Detection, Dushyant Kumar Singh , DS Kushwaha , Indian Journal of Science & Technology (Scopus Indexed) 2016   | Indian Journal of Science & Technology                            | 0.8   |
| 45. | A Metric For Package Level Coupling, pp 217-233, Aprna Tripathi, DS Kushwaha, CSI Transactions on ICT (CSIT) 2015   | CSI Transactions on ICT (CSIT)                                    |       |
| 46. | A Demand Based Load Balanced Service Replication Mode , pp5-10, Manu Vardhan, Shrabani Mallick, Shakti Mishra, DS Kushwaha, Journal on Computing (JoC) 2013   | Journal on Computing (JoC)  | 2.276 |
| 47. | A Web Service Discovery Architecture for Static and Mobile Environment, pp 129-134, Shrabani Mallick, DS Kushwaha, Journal on Computing (JoC) 2013  | Journal on Computing (JoC)  | 2.276 |
| 48. | TBFR: a threshold-based file replication approach for increased file availability and its formal verification. Vardhan, Manu, and Dharmender Singh Kushwaha, International Journal of Information and Communication Technology 2013 | International Journal of Information and Communication Technology | 1.154 |
| 49. | File Replication and Consistency Maintenance Mechanism in a Trusted Distributed Environment, pp 29-49, Manu Vardhan, DS Kushwaha, CSI Transactions on ICT (CSIT) 2013   | CSI Transactions on ICT (CSIT)                                    |       |
| 50. | An Empirical Approach for Early Estimation of Software Testing Effort, pp51-66, Ashish Sharma, DS Kushwaha , CSI Transactions on ICT (CSIT) 2013  | CSI Transactions on ICT (CSIT)                                    |       |
| 51. | A Dynamic Fault Tolerant Threshold based Replication Mechanism in Distributed Environment , pp 188-195,Manu Vardhan, Akhil Goel, Abhinav Verma, DS Kushwaha, Procedia Technology, 2013  | Procedia Technology   | 0.883 |
| 52. | Early Estimation of Software Development Effort uses Requirement Based Complexity, pp 716- 722, Ashish Sharma, DS Kushwaha, Procedia Technology, 2013   | Procedia Technology   | 0.883 |

|     |   |   |        |
|-----|---|---|--------|
| 53. | An Improved Backfilling Algorithm: SJF-BF, pp 78-81, Anurag Mishra, Shakti Mishra, DS Kushwaha, International Journal of Recent Trends in Engineering & Technology, 2011  | International Journal of Recent Trends in Engineering & Technology          | 4.490  |
| 54. | Integrating Heterogeneous Web services into a Seamless Application, pp. 149–152, S. Neupane, R. Pandey, S. Mallick, S. Mishra, DS Kushwaha, International Journal of Recent Trends in Engineering & Technology, 2011  | International Journal of Recent Trends in Engineering & Technology          | 4.490  |
| 55. | Simplifying Web service discovery & validating service composition, pp 288-294, S. Neupane, R. Pandey, S.Mallick, S. Mishra, DS Kushwaha, IEEE World Congress on Services, 2011                                       | IEEE World Congress on Services   | 4.490  |
| 56. | Formal Modeling of Hybrid Load Balancing Algorithm in Trusted Clusters, pp 123-128, Shakti Mishra, DS Kushwaha,A.K.Misra, International Journal of Recent Trends in Engineering & Technology, 2010                    | International Journal of Recent Trends in Engineering & Technology          | 4.490  |
| 57. | Hybrid Load Balancing in Auto-Configurable Trusted Clusters, pp16-25, Shakti Mishra, DS Kushwaha,A.K.Misra , Journal of Computer Science and Engineering, 2010  | Journal of Computer Science and Engineering                                 | 0.533  |
| 58. | An Efficient Web Service Discovery Architecture, pp1-5 , Shrabani Mallick, DS Kushwaha, International Journal of Computer Applications, 2010  | International Journal of Computer Applications                              | 0.835. |
| 59. | LWSDM: A Layered Web Service Discovery Mechanism, pp25-31, Shrabani Mallick, DS Kushwaha, International Journal of Advances in Information Science & Service Science, 2010  | International Journal of Advances in Information Science & Service Science  | 2.97   |
| 60. | Complexity Measure based on Requirement Engineering Document, pp112-117, Ashish Sharma, DS Kushwaha, International Conference on Computer and Communication Technology (ICCT), 2010                                   | International Conference on Computer and Communication Technology (ICCT)    | 0.533  |
| 61. | A Collaborative Trust Enhanced Security Model For Distributed System Services, pp 127-134, Aruna Kumari, Shakti Mishra,DS Kushwaha, International Conference on Advances in Communication,Network and Computing, 2010 | International Conference on Advances in Communication,Network and Computing | 3.12   |
| 62. | A Decentralized Approach for Service Discovery & Availability in P-Grids, pp102-111, Rohit Vashishtha, Ankit Gupta, Piyush Gupta, Shakti Mishra, DS Kushwaha, Journal of Computer Science and Engineering, 2010       | Journal of Computer Science and Engineering                                 | 0.533  |
| 63. | Creating Reusable Software Component from Object-Oriented Legacy System through Reverse Engineering, pp133-152, Shakti Mishra,DS Kushwaha, A.K.Misra, Journal Of Object Technology (Scopus Indexed) 2009              | Journal Of Object Technology  | 1.31   |
| 64. | An Extended Component Model and its evaluation for Reliability & Quality, pp 109-129, R. Senthil,DS Kushwaha, A.K.Misra, Journal Of Object Technology (Scopus Indexed) 2008   | Journal Of Object Technology  | 1.31   |
| 65. | Cognitive Information Complexity Measure: A Metric Based on Contained in the Software, pp 621-630,DS Kushwaha, A.K. Misra, sactions on Computers (Scopus Indexed) 2006  | WSEAS Transactions on Computers   |        |

|     |  |                                 |  |
|-----|--|---------------------------------|--|
| 66. | CICM: A Robust Method to Measure Cognitive Complexity of Procedural and Object-Oriented Programs, pp2348-2355, DS Kushwaha, R.K. Singh, A.K Misra, WSEAS Transactions on Computers (Scopus Indexed) 2006 | WSEAS Transactions on Computers |  |
| 67. | A Cognitive Complexity Metric Suite for Object- Oriented Software, pp604-611, DS Kushwaha, A.K. Misra , WSEAS Transactions on Computers (Scopus Indexed) 2006  | WSEAS Transactions on Computers |  |

### Book Chapter:

- Warehouse Setup Problem in Logistics: A Truck Transportation Cost Model, Rohit Kumar Sachan, Advances in Intelligent Systems and Computing, In Computing Conference 2020, London, United Kingdom (Scopus Indexed) 2020
- Analysis of Workloads for Cloud Infrastructure Capacity Planning, Eva Patel, Advances in Intelligent Systems and Computing (Scopus Indexed) 2019
- Traffic Control and Management over IoT for Clearance of Emergency Vehicle, Biru Rajak, Lecture Notes in Networks and Systems (LNNS) Series (Scopus Indexed) 2018
- An Approach for Traffic Congestion Detection and Control System, Tarun Kumar, Lecture Notes in Networks and Systems (LNNS) Series (Scopus Indexed) 2018
- Tracking Movements of Humans in a Real-Time Surveillance Scene pp 491-500, D.K. Singh, Advances in Intelligent Systems and Computing (Scopus Indexed) 2016
- Smart City Traffic Surveillance System for Indian Scenario, Tarun Kumar, Rohit Kumar Sachan, Recent Advances in Mathematics, Statistics and Computer Science, 2015
- Use Case Based Approach to Analyze Software Change Impact and Its Regression Test Effort Estimation pp 1057-1067, Avinash Gupta, Aprna Tripathi, Advanced Computer and Communication Engineering Technology, 2015
- An Improved History-Based Test Prioritization Technique Using Code Coverage pp 437-448, Avinash Gupta, Nayaneesh Mishra, Aprna Tripathi, Manu Vardhan, Advanced Computer and Communication Engineering Technology, 2014
- Quality Validation of Software. Design before Change Implementation through Complexity Measurement pp 391-398, Aprna Tripathi, Advances in Intelligent Systems and Computing, 2014
- Authentication and Authorization Interface using Security Service Level Agreements for accessing pp 370- 382, Durgesh Bajpai, Manu Vardhan, Harsh Singhal, Contemporary Computing, 2012
- File Replication and Dereplication of Replica's in Distributed Environment pp 358-369, Manu Vardhan, Paras Gupta, Contemporary Computing, 2012
- On the Fly File Dereplication Mechanism pp 709-718, Paras Gupta , Manu Vardhan, Advances in Computing and Information Technology, 2012
- Security Service Level Agreements based Authentication and Authorization Model for Accessing Cloud Services pp 719-729, Durgesh Bajpai, Manu Vardhan, Advances in Computing and Information Technology, 2012
- Load Balancing in Cluster using BLCR Checkpoint/Restart pp 729-737, Hemant Hariyale, Manu Vardhan, Advances in Computing and Information Technology, 2012
- OERD - On Demand and Efficient Replication Dereplication pp 425-434, Manu Vardhan, Paras Gupta, Advances in Computer Science, Engineering & Applications, 2012
- On Demand Logical Resource Replication Scheme as a Service pp 31-36, Manu Vardhan, Akhil Goel, Abhinav Verma, Shakti Mishra, Advances in Communication, Network, and Computing, 2012
- Architectural Design and Issues for Ad-hoc Clouds pp 291-296, Sanjeev Kumar Pippal, Shakti Mishra, Advances in Communication, Network, and Computing, 2012

- Kerberos – Style Authentication and Authorization through CTES Model for Distributed Systemspp 457-462, ArunaKumari, Computer Networks and Intelligent Computing (Scopus Indexed) 2011
- A SRS Document based Software Complexity Estimation and its Robustness Analysispp 111-117, Ashish Sharma, Computer Networks and Information Technologies, 2011
- Discovery & High Availability of Services in Auto-Load Balanced Clusterspp 491-500, Shakti Mishra, A.K. Mishra, Advances in Computer Science and Information Technology (Scopus Indexed) 2011
- A Novel Approach for Building a Dynamically Reconfigurable Trustworthy Distributed Systempp 258- 262, Shakti Mishra, A.K. Mishra, Information Processing and Management (Scopus Indexed) 2010
- Comparison of Performance of Sequential Learning Algorithms on the task of Named Entity Recognition for Indian Languagespp 123-132, Awaghad Ashish Krishna Rao, Himanshu Gahlot, Amit Srinet, Computational Science – ICCS (Scopus Indexed) 2009

### Conference Proceedings:

- The efficient consensus algorithm for land record management system, Amrendra Singh Yadav, Swati Shikha, Sulaksh Gupta, 1st International Conference on Computational Research and Data Analytics (ICCRDA 2020) (Scopus Indexed) 2021
- Anti-Predatory NIA based Approach for Optimizing Basic COCOMO Model, Rohit Kumar Sachan, 10th International Conference on the Cloud Computing, Data Science & Engineering, Amity University, Noida (Scopus Indexed) 2020
- VChain: Efficient Blockchain based Vehicular Communication Protocol, Amritesh Kumar, Amrendra Singh Yadav, 10th International Conference on the Cloud Computing, Data Science & Engineering (Scopus Indexed) 2020
- Increasing Efficiency of Sensor Nodes by Clustering in Section Based Hybrid Routing Protocol with Artificial Bee Colony, Amrendra Singh Yadav, Kumari Khushboo, Vikalp Kumar Singh, rd International Conference on Computing & Network Communications, CoCoNet 2019 (Scopus Indexed) 2019
- Creating a Dynamic Real Time Green Corridor and Assessing its Impact on Normal Traffic Flow, Biru Rajak, Sharbani Mallick, 3rd International Conference on Computing & Network Communications, CoCoNet 2019 (Scopus Indexed) 2019
- Clustering Cloud Workloads: K-Means vs Gaussian Mixture Model, Eva Patel, 3rd International Conference on Computing & Network Communications, CoCoNet 2019 (Scopus Indexed) 2019
- An Approach for Unattended Object Detection through Contour Formation using Background Subtraction, Neelam Dwivedi, Dushyant Kumar Singh, 3rd International Conference on Computing & Network Communications, CoCoNet 2019 (Scopus Indexed) 2019
- Weapon Classification using Deep Convolutional Neural Network, Neelam Dwivedi, Dushyant Kumar Singh, 3rd IEEE Conference on Information and Communication Technology (Scopus Indexed) 2019
- A Real Time Road Congestion based Hybrid Approach for finding the Optimized Route, Biru Rajak, Aparna Tripathi, 4th International Conference on Microelectronics, Computing & Communication Systems, MCCS 2019 (Scopus Indexed) 2019
- Congestion control in software defined network, Tanmay Jain, Sharbani Mallick, 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) (Scopus Indexed) 2018
- Neural Network Based Classification of Virtual Machines in IaaS, Eva Patel, Aalekh Mohan, 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018) (Scopus Indexed) 2018



- Evaluation and Research Directions in Nature-Inspired Algorithms, Rohit Kuamr Sachan, Suraj Gupta, 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON- 2018) (Scopus Indexed) 2018
- A Smart Cost Effective Public Transportation System: An Ingenious Location Tracking of Public Transit Vehicles, pp. 134-138, Tarun Kumar, Suraj Gupta, 5th International Symposium on Computational and BusinessIntelligence (ISCBI 2017) (Scopus Indexed) 2017
- An Efficient Approach for Automatic Number Plate Recognition for Low Resolution Images, , pp.53- 57, Tarun Kumar, Suraj Gupta, International Conference on Network, Communication and Computing (ICNCC 2016) (Scopus Indexed) 2016
- Optimizing Basic COCOMO Model using Simplified Genetic Algorithm , pp. 492-498, R.K. Sachan, A. Nigam, A. Singh, S. Singh, M. Choudary, A. Tiwari, Twelfth International Multi-Conference on Information Processing (IMCIP-2016) (Scopus Indexed) 2016
- An Efficient Approach for Detection and Speed Estimation of Moving Vehicles , pp. 726-731, Tarun Kumar, Twelfth International Multi-Conference on Information Processing (IMCIP-2016) (Scopus Indexed) 2016
- High Availability of Databases for Cloud , pp. 1716-1722, Sanjeev Pippal, Sunny Singh, Rohit Kumar Sachan, 2nd International Conference on Computing for Sustainable Global Development, INDIACom-2015 - IEEE (Scopus Indexed) 2015
- A New Design Based Software Coupling Metric , pp. 351-355, Anshu Maheshwari, Aprna Tripathi, 13th IEEE International Conference on Information Technology, ICIT 2014 (Scopus Indexed) 2014
- Data Transfer From MySQL To Hadoop: Implementers' Perspective, Sanjeev Pippal, Shiv Pratap Singh, International Conference on Information and Communication Technology for Competitive Strategies- ACM, 2014
- Implementation of Distributed Searching and Sorting using Hadoop MapReduce, Sanjeev Pippal, Ankur Shukla, International Conference on Information and Communication Technology for Competitive Strategies- ACM, 2014
- Test Cases Reduction through Prioritization Technique , pp. 104-108, Avinash Gupta, Nayaneesh Mishra, Dushyant Kumar Singh, International conference on Advance in Computing, Communication and Information Technology, (CCIT-14) 2014
- An Improved History-Based Test Prioritization Technique Using Code Coverage Regression Test Effort Estimation, Avinash Gupta, Nayaneesh Mishra, Aprna Tripathi, Manu Vardhan, 1stInternational Conference on Communication and Computer Engineering (ICOCOE 2014) 2014
- A New Metrics to Measure Maintainability and Understandability of Object-Oriented Software, Aprna Tripathi, International Conference on Advances in Computing and Communication Engineering (ICACCE14) 2014
- Package Level Cohesion and its Application , pp. 437-446, Aprna Tripathi, Manu Vardhan, Fifth International Conference on Advances in Communication, Network, and Computing – CNC 2014
- Performance Analysis Of Resource Provisioning For Cloud Computing Frameworks , pp. 709- 715, Sanjeev Kumar Pippal, Rahul Kumar Dubey, Arjun Malik, Nishant Singh, Prateek Jain, Ranjan Kumar Bharti, Fifth International Conference on Advances in Communication, Network, and Computing – CNC 2014, 2014
- Rule Based Test Case Reduction Technique using Decision Table , pp. 1398-1405, Avinash Gupta, Namita Mishra, 4th IEEE International Advanced Computing Conference - IACC 2014 (Scopus Indexed) 2014
- Package Level Coupling: A New Metric for Object-Oriented Software, Aprna Tripathi, 1st IEEE International Conference on Recent Trends in Computer Science and Engineering, 2014
- Change Impact Analysis and its Regression Test Effort Estimation , pp. 1420-1424, Prateek Khurana, Aprna Tripathi, 3rd IEEE International Advance Computing Conference (IACC-2013)(Scopus Indexed) 2013

- Software Change Validation Using Class Diagram and SRS , pp. 1620-1624, Rajat Swapnil, Aprna Tripathi, 3rd IEEE International Advance Computing Conference (IACC-2013) (Scopus Indexed) 2013
- Software Change Validation Before Change Implementation , pp. 286-292, Aprna Tripathi, Arun Kumar Misra, 2nd International Conference on Advance Computing and Creating Entrepreneurs (ACCE 2013) 2013
- Analysis of Impacted Classes and Regression Test Suite Generation , pp. 47-52, Aprna Tripathi, Arun Kumar Misra, 2nd International Conference on Advance Computing and Creating Entrepreneurs (ACCE 2013) 2013
- Software Change Complexity: A New Dimension for Analyzing Requested Change , pp. 5-10, Aprna Tripathi, Arun Kumar Misra, International Conference on Recent Trends in InformationTechnology and Computer Science 2012 ICRTITCS, 2013
- A Demand Based Load Balanced Service Replication Model , pp. 5-10, Manu Vardhan, Shrabani Mallick, Shakti Mishra, 3rd Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2012) 2013
- An Efficient Publish-Subscribe Protocol for Collaborative Content Delivery – Ex-PUSH , pp. 152-156, Shrabani Mallick, International Symposium and Workshop on Cloud and Services Computing ISCOS 2012 (Scopus Indexed) 2012
- Eager Computation and Lazy Propagation of Modifications for Reducing Synchronization Overhead in File Replication System , pp. 331-334, Manu Vardhan, Shailendra Verma, Priyanka Bhatnagar, 3rd IEEE Conference on Computer and Communication Technology (ICCCT-2012) (Scopus Indexed) 2012
- Demand Based File Replication and Consistency Mechanism , pp. 335-339, Manu Vardhan, Akhil Goel, Abhinav Verma, 3rd IEEE Conference on Computer and Communication Technology (ICCCT- 2012) (Scopus Indexed) 2012
- Ensuring Security in On-demand File Replication System , pp. 315-320, Durgesh Bajpai, ManuVardhan,3rd IEEE Conference on Computer and Communication Technology (ICCCT-2012) (Scopus Indexed) 2012
- SRS based Estimation of software maintenance effort , pp. 154-155, Aprna Tripathi, Bhuvnesh Kumar, Ashish Sharma, 3rd IEEE Conference on Computer and Communication Technology (ICCCT- 2012) (Scopus Indexed) 2012  
A.K. Mishra, 1st International Conference on Advances in Distributed & Parallel Computing, ADPC 2010, 2010
- A Dynamic Web Service Discovery using Mobile Agents , pp. 497-500, Gaurav Tiwari, Rahul Agarwal, Shakti Mishra, International Conference on Knowledge Engineering & Ontology Development, KEOD 2010 (Scopus Indexed) 2010
- A Collaborative Trust Enhanced Security Model for Distributed System Services , pp. 10-14, Aruna Kumari, Shakti Mishra, 1st IEEE International Conference on Advances in Communication, Network and Computing (CNC 2010) 2010
- Service Oriented Architecture and Modeling (SOAM)– A Formal Approach, Shrabani Mallick, 3rd Annual International Conference on Software Engineering & Application, SEA 2012, 2012
- A Demand Based Service Replication Model, Manu Vardhan, Shrabani Mallick, Shakti Mishra, 3rd Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2012) (Scopus Indexed) 2012
- A Demand Based Fault Tolerant File Replication Model for Clouds , pp. 561-566, Manu Vardhan, Nidhi Jain, Shakti Mishra, CUBE: International Information Technology Conference & Exhibition (Scopus Indexed) 2012
- Dereplication: A Dynamic Memory Aware Mechanism , pp. 124-129, Manu Vardhan, Paras Gupta, Manoj Wariya, Third International Conference on Cloud Computing, GRIDs, and Virtualization (Cloud Computing 2012) 2012
- A Transparent Service Replication Mechanism for Clouds , pp. 389-394, Manu Vardhan, D.K. Yadav, Sixth International Conference on Complex, Intelligent, and Software Intensive Systems(CISIS-2012) (Scopus Indexed) 2012

- Architectural Design of Education Cloud Framework Extendible to Ad hoc Clouds, Sanjeev Pippal, 1ST IEEE International Conference on Recent Advances in Information Technology (RAIT) (Scopus Indexed) 2012
- Applying Requirement based complexity for the estimation of Software Development and Testing Effort , pp. 1- 11, Ashish Sharma, ACM SIGSOFT Software Engineering Notes, 2012
- An Efficient Schema Shared Approach for Multitenant Database with Authentication & Authorization Framework , pp. 213-218, Sanjeev Pippal, Vishu Sharma, Shakti Mishra, 6th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (Scopus Indexed) 2011
- A Generalized Approach for Fault Tolerance and Load Based Scheduling of Threads in Alchemi .Net , pp. 211- 216, Vishu Sharma, Manu Vardhan, Shakti Mishra, 2nd International Conference on Cloud Computing, GRIDs, and Virtualization CLOUD COMPUTING 2011 (Scopus Indexed) 2011
- CTES Based Secure Approach for Authentication and Authorization of Resource and Service in Clouds , pp. 444-449, Sanjeev Pippal, Vishu Sharma, Aruna Kumari, 2nd IEEE International Conference Computer and Communication Technology, ICCCT 2011 (Scopus Indexed) 2011
- A Metric Suite for Early Estimation of Software Testing Effort using Requirement Engineering Document and its validation , pp. 373-378, Ashish Sharma, 2nd IEEE International Conference Computer and Communication Technology ICCCT 2011 (Scopus Indexed) 2011
- Secure and Efficient Multitenant Database for an Ad hoc Cloud , pp. 46-50, Sanjeev Pippal, Vishu Sharma, Shakti Mishra, 1st International Workshop on Securing Services on the Cloud (IWSSC) (Scopus Indexed) 2011
- Simplifying Web Service Discovery & Validating Service Composition , pp. 288-294, Shrabani Mallick, Rajender Pandey, Sajeew Neupane, Shakti Mishra, 7th IEEE World Congress on services , Services 2011 (Scopus Indexed) 2011
- Composition of Heterogeneous Web Services for Converting Legacy Codes to SOA based Applications 54-59, Shrabani Mallick, Namon Narayan Meena, D. K. Yadav, 20th International Conference on Software Engineering and Data Engineering, SEDE (Scopus Indexed) 2011
- Creating applications Using Heterogeneous Web Services, Shrabani Mallick, Sanjeev Neupane, Shakti Mishra, 4th IEEE International Conference on Computer Science and Information Technology 2011
- Natural Language based Component Extraction from Requirement Engineering Document and its Complexity Analysis , pp. 1-14, Ashish Sharma, ACM SIGSOFT Software Engineering Notes 2011
- An Efficient Job Scheduling Technique in Trusted Clusters for Load Balancing, Shakti Mishra, A.K. Mishra, 1st International Conference on Cloud Computing, GRIDs & Virtualization, Cloud Computing 2010, 2010
- Self-Organizing Clusters for Load Balancing: A B+-Tree Based Approach, Shakti Mishra, D.K. Yadav.
- An Optimized Scheduling Algorithm for Migrated Jobs in Trusted Distributed Systems , pp. 503-509, Shakti Mishra, A.K. Mishra, 1st IEEE International Conference on Computer & Communication Technology, ICCCT- 2010 (Scopus Indexed) 2010
- Complexity measure based on Requirement Engineering Document: A Comprehensive Approach , pp. 608-615, Ashish Sharma, 1st IEEE proceedings of International Conference on Computer & Communication Technology, ICCCT-2010 (Scopus Indexed) 2010
- Early Estimation of Software Complexity using Requirement Engineering Document , pp. 1-7, Ashish Sharma, ACM SIGSOFT Software Engineering Notes 2010
- A New Novel Indexing Technique using a Bit-Tuple Tree , pp. 224-226 H, Umesh, Mohit Agarwal, Parkhi Rastogi, Sneha Agarwal, Somya Mittal, Sourabh Jain, V.L.R Madhurima, IEEE International Conference on Information Telecommunication and Computing, ITC 2010 (Scopus Indexed) 2010

- A Cooperative Trust Management Framework for Load Balancing in Cluster Based Distributed System , pp. 121-125, Shakti Mishra, A.K. Mishra, 10 Proceedings of the 2010 International Conference on Recent Trends in Information, Telecommunication and Computing (Scopus Indexed) 2010
- Network Traffic Resilient Remote Resource Management Framework , pp. 211-213, Chunky Gupta, Deepak Pandey, Prashant Kumar Singh, Rahul Agarwal, Shakti Mishra, International Conference on Advances in Computing, Control & Telecommunication Technologies, ACT 2009(Scopus Indexed) 2009
- Robustness Analysis of Efficient & Scalable Priority Based Jingle-Mingle Model Using Mosix , pp. 201-205, Ankit Gupta, Rahul Agarwal, Rohit Vashishtha, Shakti Mishra, International Conference on Advances in Computing, Control & Telecommunication Technologies, ACT 2009 (Scopus Indexed) 2009
- An efficient asynchronous mobile web service framework , pp. 1-7, Ranjit Singh, Shakti Mishra, ACM SIGSOFT Software Engineering Notes, 2009
- Jingle-Mingle: A Hybrid Reliable load Balancing Approach for Load Balancing in a Trusted Distributed Environment , pp. 117-122, Shakti Mishra, A.K. Mishra, 5th International Joint Conference on INC, IMS & IDC, NCM 2009, Seoul (Scopus Indexed) 2009
- Authentication and Billing Framework for Service Oriented Architecture , pp. 91-95, Tripuresh Pandey, Brijmohan Singh, A.K. Mishra, 4th IEEE International Conference on Systems (Scopus Indexed) 2009
- Shallow Parsing for Hindi - An extensive analysis of sequential learning algorithms using a large annotated corpus , pp. 1158-1163, Himanshu Gahlot, Awaghad Ashish Krishnarao , IEEE International Conference on Advance Computing Conference, IACC 2009 (Scopus Indexed) 2009
- A Comparative Study of Named Entity Recognition for Hindi Using Sequential Learning Algorithms , pp. 1164- 1169, Awaghad Ashish Krishnarao, Himanshu Gahlot, Amit Srinet, IEEE International Conference on Advance Computing Conference, IACC 2009 (Scopus Indexed) 2009
- Software Test Effort Estimation, A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2008
- Optimization of the Quine - McCluskey Method for the Minimization of the Boolean Expressions , pp. 165-168, Tarun Kumar Jain, A.K. Mishra, 4th IEEE International Conference on Autonomic and Autonomous Systems, ICAS, March 2008 (Scopus Indexed) 2008
- An Improved Component Model for Component based Software Engineering, R. Senthil, A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2007
- Improved Cognitive Information Complexity Measure: A Metric that Establishes Program Comprehension Effort , pp. 1-7, A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2006
- Cognitive Software Development Process and Associated Metrics – A Framework , pp. 255-260, A.K. Mishra, 5th IEEE International Conference on Cognitive Informatics (ICCI 2006) (Scopus Indexed) 2006
- Cognitive Web Based Software Development Process – “Towards a more Reliable Approach” , pp. 1-6, A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2006
- Cognitive Information Complexity Measure of Object-Oriented Program , pp. 174-179, A.K. Mishra, 5th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems, 2006
- Evaluating Cognitive Information Complexity Measure, A.K. Mishra, 13th Annual IEEE International Conference and Workshop on the Engineering of Computer Based Systems (ECBS) (Scopus Indexed), 2006
- Cognitive Complexity Metrics and its Impact on Software Reliability Based on Cognitive Software
- Development Model , pp. 1-6, A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2006

- Cognitive Complexity Measure of Object- Oriented Software – A Practitioners Approach , pp. 174- 179, A.K. Mishra, 5th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS 2006), 2006
- A Complexity Measure Based on Information Contained in the Software , pp. 187-195, A.K. Mishra, 5th WSEAS International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS 2006), 2006
- A Modified Cognitive Information Complexity Measure of Software , pp. 1-4 , A.K. Mishra, ACM SIGSOFT Software Engineering Notes, 2006
- Robustness Analysis of Cognitive Information Complexity Measure using Weyuker Properties, pp.1-6, A.K. Mishra, ACM SIGSOFTS, Software Engineering Notes, 2006