

## 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 Dingh Yadav, Prof. Dharmender Singh Kushwaha & Others	A System For Blockchain-Based Service Link Data Checking And Method Thereof	16/11/2021  Date of Publication (U/S 11A):  31.12.2021	202111060791	COMMUNICATION	Published 31.12.2022
2.	Dr. Biru Rajak, Dr. Amrendra Singh Yadav, Prof. Dharmender Singh Kushwaha & Others	A System Based On Blockchain For Providing User Recommendation Features And Method Thereof	10/12/2021  Date of Publication (U/S 11A):  31.12.2021	202131052635	COMPUTER SCIENCE	Published 31.12.2022
3.	Dr. Dushyant Kumar Singh & Prof. Dharmender Singh Kushwaha	An Artificial Intelligence Based Enhanced Surveillance System And Method	09.12.2021	202111057419	COMPUTER SCIENCE	Published 23.12.2022
4.	Dr. Biru Rajak, Dr. Dushyant Kumar Singh & Prof. Dharmender Singh Kushwaha	A Dynamic Emergency Vehicle Clearance System	26.04.2022	202211024605	COMPUTER SCIENCE	<b>Patent No.: 521324</b>  <b>Granted on: 07.03.2024</b>  Published 23.12.2022
5.	Dr. Amrendra Singh Yadav, Prof. Dharmender Singh Kushwaha & Others	Smart AI based Indoor Air Purification device	20.07.2022	368067-001	COMPUTER SCIENCE	Granted <b>Date of Issue: 18.04.2023</b>
6.	Dr. Amrendra Singh Yadav, Prof. Dharmender Singh Kushwaha & Others	AI based Smart Glasses for Identifying Skin Disease	17.08.2022	369319-001	COMPUTER SCIENCE	<b>Granted on: 04.01.2023</b>  Design No. 369319-001

**Journal Papers:**

<b>S.No.</b>	<b>Journal Paper</b>	<b>Name of Journal</b>	<b>Impact Factor</b>
1.	Blockchain-based secure privacy-preserving vehicle accident and insurance registration, Amrendra Singh Yadav, Vincent Charles, Dharen Kumar Pandey, Somya Gupta, Tatiana Gherman, Dharmender Singh Kushwaha, Expert Systems with Applications 230, 120651, November 2023	Expert Systems with Applications	7.5
2.	Evolution of Blockchain and consensus mechanisms & its real-world applications, Amrendra Singh Yadav, Nikita Singh, Dharmender Singh Kushwaha, Multimedia Tools and Applications 82 (22), 34363-34408, September 2023	Multimedia Tools and Applications	3.0
3.	A novel approach for suspicious activity detection with deep learning, Neelam Dwivedi, Dushyant Kumar Singh, Dharmender Singh Kushwaha, Multimedia Tools and Applications 82 (21), 32397-32420, September 2023	Multimedia Tools and Applications	3.0
4.	A Comprehensive Survey on Pandemic Patient Monitoring System: Enabling Technologies, Opportunities, and Research Challenges, Charu Krishna, Dinesh Kumar, and Dharmender Singh Kushwaha, Wireless Personal Communications 131 (3), 2125-2172, August 2023	Wireless Personal Communications	1.9
5.	Performance of optimized security overhead using clustering technique based on fuzzy logic for mobile ad hoc network , Yadav, Amrendra Singh, Avjeet Singh, Ankit Vidyarthi, Rabindra Kumar Barik, and Dharmender Singh Kushwaha, Cybernetics and Information Technologies 23 (1), 94-109, March 2023	Cybernetics and Information Technologies	1.2
6.	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
7.	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
8.	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
9.	Digitization of Land Record Through Blockchain-based Consensus Algorithm, AS Yadav, DS Kushwaha, IETE Technical Review 39 (4),799-816, 20222021	IETE Technical Review	2.2
10.	A hybrid CNN- LSTM model for predicting server load in cloud computing, EPatel, DSKushwaha,The JournalofSupercomputing78 (8), 1-30, 2022	The Journal of Supercomputing	2.6
11.	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

12.	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), 2022sep 2021	International Journal of System Assurance Engineering and Management	0.300
13.	Employing data generation for visual weapon identification using Convolutional Neural Networks, N Dwivedi, DK Singh, DS Kushwaha, Multimedia Systems28, 347-360 (2..., 2022	Multimedia Systems	2.018
14.	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
15.	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
16.	International Journal of Applied Metaheuristic Computing, RKSachan, 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
17.	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
18.	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
19.	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
20.	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
21.	Nature-Inspired Optimization Algorithms: Research Direction and Survey, R K Sachan, DS Kushwaha, IIT Kanpur, India, 2021	IIT Kanpur, India	
22.	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
23.	Task scheduling to reduce energy consumption and make span of cloud computing using NSGA- II, Dharendra Kumar Shukla, Divya Kumar, DS Kushwaha, Materials Today: Proceedings (Scopus Indexed) 2021	Proceedings	1.46

24.	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
25.	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
26.	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
27.	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
28.	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
29.	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
30.	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
31.	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
32.	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
33.	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
34.	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
35.	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

36.	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
37.	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
38.	Automatic Intruder Combat System: A way to Smart Surveillance, pp 50-58, Dushant KumarSingh, DSKushwaha, Defense Science Journal (SCIE, I.F. 0.200) 2017	Defense Science Journal	0.783
39.	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
40.	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
41.	A Dynamic Consistency Aware File Replication Mechanism & its Applicationin 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
42.	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
43.	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
44.	Simulation of Emergency Vehicle for Shortest Path in Sumo, Biru Rajak, Dekate Shantanu Pradip, Aakash Chandhoke, DS Kushwaha , New Horizons (UGC) 2021	New Horizons	
45.	Make span 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
46.	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
47.	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	

48.	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
49.	A Metric For Package Level Coupling, pp 217-233, Aprna Tripathi, DS Kushwaha, CSI Transactions on ICT (CSIT) 2015	CSI Transactionson ICT (CSIT)	
50.	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
51.	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
52.	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 Technology2013	International Journal of Information and Communication Technology	1.154
53.	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 Transactionson ICT (CSIT)	
54.	An Empirical Approach for Early Estimation of Software Testing Effort, pp51-66, Ashish Sharma, DS Kushwaha , CSI Transactions on ICT (CSIT) 2013	CSI Transactionson ICT (CSIT)	
55.	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
56.	Early Estimation of Software Development Effort uses Requirement Based Complexity, pp 716- 722, Ashish Sharma, DS Kushwaha, Procedia Technology, 2013	Procedia Technology	0.883
57.	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
58.	Integrating Heterogeneous Webservices 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
59.	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

60.	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
61.	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
62.	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.
63.	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
64.	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
65.	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
66.	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
67.	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
68.	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
69.	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	
70.	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	
71.	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:

- 11 Use Cases of Blockchain, Charu Krishna, Divya Kumar, Dharmender Singh Kushwaha, Integration of AI-Based Manufacturing and Industrial Engineering Systems with the Internet of Things. CRC Press. [https://doi.org/10.1201/9781003383505\\_2023](https://doi.org/10.1201/9781003383505_2023), 2023
- Perceptual Hash Computation of Multimedia Objects Using Improved KL Transform, Stuti Pandey, Nihar Ranjan Pradhan, Akhilendra Pratap Singh, Dharmender Singh Kushwaha, International Symposium on Sustainable Energy and Technological Advancements, 2023.
- Warehouse Setup Problem in Logistics: A Truck Transportation Cost Model, Rohit Kumar Sachan, Advances in Intelligent Systems and Computing, InComputingConference2020, 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, BiruRajak, 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 Systems pp 457-462, Aruna Kumari, Computer Networks and Intelligent Computing (Scopus Indexed) 2011
- A SRS Document based Software Complexity Estimation and its Robustness Analysis pp 111- 117, Ashish Sharma, Computer Networks and Information Technologies, 2011
- Discovery & High Availability of Services in Auto-Load Balanced Clusters pp 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 System pp 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 Languages pp 123-132, Awaghad Ashish Krishna Rao, Himanshu Gahlot, Amit Srinet, Computational Science– ICCS (Scopus Indexed) 2009

### Conference Proceedings:

- Framework for privacy preserving credential issuance and verification system using soulbound token, Siddhant Reddy, Dharmender Singh Kushwaha, ITM Web of Conferences 56, 06002, 2023
- 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
- 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 Kumar 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 Business Intelligence (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) (ScopusIndexed) 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,13<sup>th</sup> IEEE International Conference on Information Technology, ICIT2014(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(ICOCOE2014) 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, ArjunMalik, NishantSingh, Prateek Jain, Ranjan Kumar Bharti, Fifth International Conference on Advances in Communication,Network,andComputing–CNC2014,2014
- Rule Based Test Case Reduction Technique using Decision Table , pp. 1398-1405, Avinash Gupta, Namita Mishra, 4th IEEEInternational Advanced Computing Conference - IACC 2014 (Scopus Indexed) 2014
- Package Level Coupling: A New Metric for Object-Oriented Software, Aprna Tripathi, 1st IEEE International Conferenceon RecentTrendsInComputerScienceandEngineering,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

Information Technology 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, 3<sup>rd</sup> 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,3rdIEEE 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 MobileAgents , 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 TestingEffort,pp.1-11,AshishSharma,ACMSIGSOFTSoftwareEngineeringNotes, 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
- AGeneralizedApproachforFaultToleranceandLoadBasedSchedulingofThreadsin Alchemi .Net , pp. 211- 216, Vishu Sharma, Manu Vardhan, Shakti Mishra, 2nd International Conference on Cloud Computing, GRIDs, and Virtualization CLOUDCOMPUTING2011 (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 Adhoc 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, Sajeev 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,NCM2009,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, AmitSrinet, 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 SIG SOFT Software Engineering Notes,2007
  - Improved Cognitive Information Complexity Measure: A Metric that Establishes Program Comprehension Effort, pp.1-7, A.K.Mishra, ACM SIG SOFT 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 (ICCI2006) (Scopus Indexed) 2006
  - CognitiveWebBasedSoftwareDevelopmentProcess–“TowardsamoreReliableApproach”, pp. 1-6, A.K.Mishra, ACM SIG SOFT Software Engineering Notes, 2006
  - CognitiveInformationComplexityMeasureofObject-OrientedProgram,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 roproperties, pp.1-6, A.K. Mishra, ACM SIGSOFT, Software Engineering Notes, 2006