

Peer Reviewed Journal Publications

2014-15	
1.	Niketa Gandhi, Shubhangi Wankhede and Leisa Armstrong, "Application of Expert Systems in Agriculture", <i>Global Trends in Intelligent Computing (GTIC), Maharashtra, India and International Journal of Pure and Applied Research in Engineering and Technology (IJPRET)</i> , Volume 3(1), pp. 86-94, 2014.
2.	Meghana Jalgaonkar and S. Purohit "Accessible Cloud Computing Based E-learning Environment for Disabled People." <i>International Journal of Information and Computation Technology</i> , Volume 4(2) pp. 127-132, 2014.
3.	Patil, Harshali and S. Purohit. "Cooperative Game Theory Approach for the Cognitive Radio Users," <i>International Journal on Advanced Computer Theory and Engineering (IJACTE)</i> , Volume 3 (6) ISSN (Print): 2319-2526 Impact Factor: 1.64, 2014.
2016-17	
1.	P. M. Sindhu and A. Salgaonkar, "SAGE for Establishing Graph Theoretical Features of Yantra Images," <i>Confluence of Emerging Trends in Multidisciplinary Research Areas to Mathematics, Mumbai</i> , 2016.
2.	Sampada Margaj, Dr. Seema Purohit, "Comparative Study for Prediction of Dyscalculia Using Smo and Naïve Bayes Classifier ", <i>International journal of science and Research</i> , Volume 5 (8) , ISSN No 2277 - 8179 , IF : 3.508 , IC Value : 69.48, 2016.
3.	Neelam Naik, Seema Purohit, "Rule based Systems to judge child's basic mathematical ability", <i>International Journal on Future Revolution in Computer Science & Communication Engineering</i> , Volume 3 (11), 142-146, ISSN: 2454-4248 (Impact Factor: 2.293), UGC Recognized Journal No.: 64076, 2016.
4.	Anjali Kulkarni, Dr. Seema Purohit. "Rule Based Model for Credit Evaluation Using Rough Set Approach". <i>International Journal on Recent and Innovation Trends in Computing and Communication. Volume 4 (5)</i> , pp. 508 – 511, 2016.

5	Jyotshna Dongardive, Siby Abraham, "Reaching optimized parameter set: protein secondary structure prediction using neural network", <i>Neural Computing and Applications</i> , vol. 28, pp.947-1974, 2017. Impact Factor 5.6.
6	Jyotshna Dongardive, Siby Abraham, "Protein sequence classification based on n-gram and k-nearest neighbor algorithm", In: <i>Behera H., Mohapatra D. (eds) Computational Intelligence in Data Mining. Volume 2. Advances in Intelligent Systems and Computing</i> , vol 411. Springer, 2016.
2017-18	
1.	Jasbir Kaur, Seema Purohit, "Applicability of RFID Object Identification System as Cyber Physical System for Disaster Management", <i>International Journal of Application or Innovation in Engineering & Management (IJAIEM)</i> , Volume 6 (12), pp. 010-019, ISSN 2319 - 4847, 2017.
2.	Krantee M. Jamdaade, Dr. Seema U. Purohit , " Intelligent Medicinal Prescription System for HIV/AIDS patients using Ayurveda Therapy: Working of inference engine of Oracle Policy Modeling and CORVID" , <i>International Journal of Application or Innovation in Engineering & Management (IJAIEM)</i> , Volume 6 (11), pp. 024-032 , ISSN 2319 - 4847, 2017.
3.	Harshali Patil and Seema Purohit. Article: "Handling Competitiveness in Next Generation Networks using Game Theory." <i>IJCA Proceedings on Emerging Trends in Computing ETC</i> 2016(3):14-17, 2017.
4.	Kulkarni, Anjali, and Seema Purohit. "Attribute Reduction for Credit Evaluation using Rough Set Approach." <i>International Journal on Future Revolution in Computer Science & Communication Engineering</i> , 443-446, 2017.
2018-19	
1.	Deolekar S., Abraham S. "Tree based classification of tabla strokes". <i>Current Science</i> . Volume 115 (9), pp. 1724-1731. (Impact Factor: 0.843), 2018.

2.	Rajesh K. Maurya and Sushil T. Kulkarni , "A Review of Spatial Analysis of Multidimensional Topographic Data", <i>International Journal of Computer Engineering and Applications</i> , Volume 11 (12), 253-267, 2018.
3.	Rajesh K. Maurya "Review of Advances in Digital Recognition of Indic Scripts.", <i>International Journal of Scientific Research in Computer Science, Engineering and Information Technology</i> , Vol III (I), pp. 991-1009, 2018.
4.	Rajesh K. Maurya and Swati R. Maurya, "Recognition of a Medieval Indic-'Modi' Script using Empirically Determined Heuristics in Hybrid Feature Space." <i>International Journal of Computer Sciences and Engineering</i> , Volume VI (II), 2018.
5.	Pooja Manghirmalani Mishra "Adapting Digital Storytelling for Students with LD to pursue Stem Education.", <i>EERN '18, Aarhat Multidisciplinary International Education Research Journal</i> , E-ISSN-2278:5655, 2018.
6.	Pooja Manghirmalani Mishra, "Assessment of EQ of Adolescent Students & Suggesting Interventional Strategies for Leveraging their Weaker Skills", <i>EERN'18, Aarhat Multidisciplinary International Education Research Journal</i> , E-ISSN- 2278:5655, 2018.
7.	Pooja Manghirmalani Mishra, "Redefining Remedial Teaching for the Students with LD using Intelligent Agents," <i>EERN'18, Aarhat Multidisciplinary International Education Research Journal</i> , E-ISSN-2278:5655, 2018.
8.	Pooja Manghirmalani Mishra, "Using Intelligent Game Based Learning (GBL) to Enhance Teaching-Learning Outcomes," <i>Visualising 21st Century Educational Milieu: Achieving Skill Competence Through Unconventional Practices</i> ,ISBN 978-93-5346-261-1, 2018.

9.	<i>Harshali P., Seema P., "Resource Allocation Using Modified Banker's Algorithm for Next-Generation Wireless Networks." In: Satapathy S., Bhateja V., Das S. (eds) Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies, vol. 104. Springer, https://doi.org/10.1007/978-981-13-1921-1_23, 2019.</i>
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International Peer Reviewed Conference Publications

2014-15	
1.	Niketa Gandhi and Leisa Armstrong, "ICTs for Agricultural Extension: A study in Ratnagiri district of Maharashtra, India", <i>Ninth Conference of the Asian Federation for Information Technology in Agriculture (AFITA), Perth, Australia, 2014.</i> http://asicta.org/AFITA2014/index.php/conference-proceedings
2.	Pratik Shah, Niketa Gandhi and Leisa Armstrong, "Mobile Applications for Indian Agriculture Sector: A case study", <i>Ninth Conference of the Asian Federation for Information Technology in Agriculture (AFITA), Perth, Australia, 2014.</i> http://asicta.org/AFITA2014/index.php/conference-proceedings
3.	Shubhangi Wankhede, Niketa Gandhi and Leisa Armstrong, "Role of ICTs in improving drought scenario management in India", <i>Ninth Conference of the Asian Federation for Information Technology in Agriculture (AFITA), Perth, Australia, 2014.</i> http://asicta.org/AFITA2014/index.php/conference-proceedings
4.	Pratik Shah, Niketa Gandhi and Leisa Armstrong, "Factors influencing the success of Massive Open Online Courses (MOOC) in Agricultural sector of India", <i>Second International Conference on ICT for Rural Development, Maharashtra, India, 2014.</i>
5.	K. Jain, Pooja Manghirmalani Mishra, Sushil Kulkarni, "A Neuro-Fuzzy Approach to Diagnose and Classify LD", <i>International Conference on Soft Computing for Problem Solving</i> , pp-657, ISSN 2169-3064, 2014

6.	P. M. Sindhu, A. Salgaonkar and M. Chavan, "Information Retrieval from Pictographic Representations," <i>Mumbai: International Conference on Computational Intelligence (ICCI'14)</i> , University of Mumbai, 2014.
7.	P. M. Sindhu and A. Salgaonkar, "Path Finding in Symmetric Layered Graphs," September 2014. [Online]. Available: http://www.csimumbai.org/newstrack/July-Sept-2014/download/RIT29.pdf .
2015-16	
1.	Niketa Gandhi and Leisa Armstrong, "Farmer decision support tools: Empowering farmers towards a more sustainable future", <i>International Conference on Climate Change & Sustainability (IC3S), Mumbai India, 2015</i> .
2.	Niketa Gandhi and Leisa Armstrong, "Decision Support Systems for decision making in Indian Agriculture", <i>International Conference on Climate Change & Sustainability (IC3S), Mumbai India, 2015</i> .
2016-17	
1.	Niketa Gandhi and Leisa Armstrong, "Applying data mining techniques to predict yield of rice in Humid Subtropical Climatic Zone of India", <i>Proceedings of the 10th INDIACom-2016, IEEE Third International Conference on Computing for Sustainable Global Development, New Delhi, India, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7724597/
2.	Niketa Gandhi and Leisa Armstrong, "Assessing the Impact of Seasonal Rainfall Patterns on Indian Rice Production using Association Rule Mining", <i>World Congress on Computers in Agriculture, Asian Federation for Information Technology in Agriculture (AFITA), Sunchon, Korea, 2016</i> .
3.	Niketa Gandhi, Leisa Armstrong and Owaiz Petkar, "Proposed Decision Support System (DSS) for Indian Rice Crop Yield Prediction", <i>IEEE International Conference on Technological Innovations in ICT for Agriculture and Rural Development (TIAR), Chennai, India, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7801205/

4.	Niketa Gandhi, Leisa Armstrong and Owaiz Petkar, "Rice Crop Yield Prediction using Artificial Neural Networks", <i>IEEE International Conference on Technological Innovations in ICT for Agriculture and Rural Development (TIAR), Chennai, India, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7801222/
5.	Niketa Gandhi, Leisa Armstrong, Owaiz Petkar and Amiya Tripathy, "Rice Crop Yield Prediction in India using Support Vector Machines", <i>IEEE The Thirteen International Joint Conference on Computer Science and Software Engineering (JCSSE), Thailand, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7748856/
6.	Niketa Gandhi and Leisa Armstrong, "Assessing impact of seasonal rainfall on rice crop yield of Rajasthan, India using Association Rule Mining", <i>IEEE Fifth International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, India, 2016</i> . Indexing: SCOPUS, DBLP. http://ieeexplore.ieee.org/document/7732178/
7.	Niketa Gandhi, Leisa Armstrong and Owaiz Petkar, "Predicting Rice Crop Yield using Bayesian Networks", <i>IEEE Fifth International Conference on Advances in Computing, Communications and Informatics (ICACCI), Jaipur, India, 2016</i> . Indexing: SCOPUS, DBLP. http://ieeexplore.ieee.org/document/7732143/
8.	Niketa Gandhi and Leisa Armstrong, "Rice Crop Yield forecasting of Tropical Wet and Dry climatic zone of India using data mining techniques", <i>IEEE International Conference on Advances in Computer Applications (ICACA), Coimbatore, India, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7887981/
9.	Niketa Gandhi and Leisa Armstrong, "A review of the application of data mining techniques for decision making in agriculture", <i>IEEE Second International Conference on Contemporary Computing and Informatics (IC3I), Noida, India, 2016</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/7917925/
10.	S. Deolekar, S. Abraham, "Classification of Tabla Strokes Using Neural Network." <i>In: Behera H., Mohapatra D. (eds) Computational Intelligence in Data Mining—Volume 1. Advances in Intelligent Systems and Computing</i> , vol 410. Springer, New Delhi.

11.	H. Patil and S. Purohit, "Simplified approach for spectrum hole assignment using energy based detector approach," <i>International Conference on ICT in Business Industry & Government (ICTBIG)</i> , pp. 1-4, doi: 10.1109/ICTBIG.2016.7892704, 2016.
2017-18	
1.	Jasbir Kaur and Seema Purohit "Wireless Real Time Intelligent Signalling System to Provide Easy Access to Life Saving Emergency Services Using RFID Technology", <i>Proceedings of the 11th INDIACom; INDIACom</i> (ISSN:0973-7529); ISBN 978-93-80544-24-3, -2017.
2.	Shubhangi Wankhede, Leisa Armstrong and Niketa Gandhi, "Characterising the influence of drought on Jowar crop production in Maharashtra using Association Rule mining", <i>IEEE International Conference on Technological Innovations in ICT for Agriculture and Rural Development (TIAR), Chennai, India, 2017</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/8273686/
3.	Niketa Gandhi, Leisa Armstrong and Manisha Nandawadekar, "Application of data mining techniques for predicting rice crop yield in Semi-Arid climatic zone of India", <i>IEEE International Conference on Technological Innovations in ICT for Agriculture and Rural Development (TIAR), Chennai, India, 2017</i> . Indexing: SCOPUS. http://ieeexplore.ieee.org/document/8273697/
4.	Mahendra Kanojia, Niketa Gandhi, Leisa Armstrong and Chetna Suthar, "Fingerprint based gender identification using digital image processing and artificial neural network", <i>Springer, 7th World Congress on Information and Communication Technologies (WICT), Delhi, India, 2017</i> . Indexing: ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink. https://link.springer.com/chapter/10.1007/978-3-319-76348-4_98
5.	Mahendra Kanojia, Niketa Gandhi, Leisa Armstrong and Pranali Pednekar, "Automatic identification of malaria using image processing and artificial neural network", <i>Springer 17th International Conference on Intelligent Systems Design and Applications (ISDA), Delhi, India, 2017</i> . Indexing: ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springerlink. https://link.springer.com/chapter/10.1007/978-3-319-76348-4_81

6.	Krantee Jamdaade, Dr. Seema Purohit, "Comparison of Expert System Building Tools: A case study of OPM and OpenRules Dialog" <i>INDIACOM-17, IEEE Xplore</i> , ISSN Number: 0973 – 7529, 2017.
7.	Neelam Naik, Seema Purohit, "Comparative Study of Binary Classification Methods to Analyze a Massive Dataset on Virtual Machine," <i>Proceedings Computer Science</i> , Volume 112, pp. 1863-1870 2017, ISSN 1877-0509, https://doi.org/10.1016/j.procs.2017.08.232 .
8.	Neelam Naik, Dr. Seema Purohit, "Massive data analytics for Indian education system in distributed environment", <i>International Conference (IEEE Conference) on Communication Management and Information Technology, Warsaw University, Poland, IEEE Xplore</i> , 2017.
2018-19	
1.	R. K. Maurya, S. T. Kulkarni and N. Kalita , "Projection-Based Spatial Morphology for Extracting Ridge and Valley Profiles of Mountains from 3D Amorphous Data", <i>4th International Conference on Computing Communication and Automation (ICCCA)</i> , Greater Noida, India, pp. 1-6, doi: 10.1109/CCAA.2018.8777680, 2018.
2.	Maurya, Rajesh K. and Sushil T. Kulkarni, "Morphology-Based Extraction of River Network from Multidimensional Topographic LiDAR Returns". <i>3rd International Conference for Convergence in Technology (I2CT)</i> , Pune, pp. 1-6, doi: 10.1109/I2CT.2018.8529349, 2018.
3.	A. Salgaonkar and P. M. Sindhu, "Building Automata for a Pictorial Language: A Case Study of Yantra Images from Manuscripts", <i>International Conference in Semigroups and Algebra (ICSAA-19)</i> , Department of Mathematics, Cochin University of Science and Technology, Cochin, 2019.

National Peer Reviewed Conference Publications

2015-16	
1.	Pooja Manghirmalani Mishra, Sushil Kulkarni Sunita Magre, "Developing Prognosis Tools to Identify LD In Children Using Machine Learning Technologies", <i>National Conference on Revisiting Teacher Education</i> ; ISBN: 97-81-922534, 2015
2016-17	
1.	Pooja Manghirmalani Mishra, Rabiya Saboowala, "Equal Opportunities for All- a Drive Towards Inclusion", <i>National Conference on Innovative Practices: Pathways to Quality Assurance and Sustenance in Higher Education</i> , Vol 1(1), 2016.
2.	Harshali Patil, Dr. Seema Purohit, "Sensitivity Analysis for threshold detection of Energy detection based spectrum sensing", <i>UGC sponsored National Conference on Confluence of Emerging Trends in Multidisciplinary Areas to Mathematics</i> , Kirti College, Dadar, 2016.
3.	Anjali Kulkarni, Dr. Seema Purohit, "Credit Evaluation Model for German data set using Rough Set Exploration System", <i>National Conference on Confluence of Emerging Trends in Multidisciplinary Areas to Mathematics (CETMRAM)</i> , 2016.
2017-18	
1.	Pooja Manghirmalani Mishra, Sushil Kulkarni, "Imputing Missing Values in Clinical Data Using Machine Learning Techniques", <i>National Conference Interdisciplinarity: A Game Changer</i> , ISBN 978-81-938567-2-7, Vol 1 (1) 2017.

2.	S. Deolekar, N. Godambe, S. Abraham, "Genetic Algorithm to Generate Music Compositions: A Case Study with Tabla.", <i>In: Abraham A., Muhuri P., Muda A., Gandhi N. (eds) Hybrid Intelligent Systems. HIS 2017. Advances in Intelligent Systems and Computing, Vol 734. Springer, 2017.</i>
2018-19	
1.	Pooja Manghirmalani Mishra and Niketa Gandhi, "Using Intelligent Game Based Learning To Enhance Teaching-Learning Outcomes", <i>Visualising 21st Century Educational Milieu: Achieving Skill Competence Through Unconventional Practices, Maharashtra, India, 2018.</i> http://bed.rizvi.edu.in/wp-content/uploads/2019/02/UP18-ProceedingsofNationalConferenceUnconventionalPractices.pdf
2.	Pooja Manghirmalani Mishra and Niketa Gandhi, "Adapting digital storytelling for students with learning disabilities to pursue STEM education", <i>National Conference on Ethnography of Education: Reconnecting the neurons of Indian Education System (EERN), Maharashtra, India, 2018.</i> http://bed.rizvi.edu.in/wp-content/uploads/2018/04/RCOEDEERN2018-AMIERJVolume%E2%80%93VIISpecialIssue%E2%80%93XIV-ISSN%E2%80%932278-5655.pdf