

Papers in refereed journals (International)

Sr.No.	Author(s) (in correct order)	Title	Year	Complete Reference of journal (Name/Vol/Page nos / Publisher/ Place/SCI/Scopus/ Impact Factor)
1.	Shruti Aggarwal, Paramvir Singh	Cuckoo, Bat and Krill Herd based k-means++ clustering algorithms	2018	Cluster Compute - The Journal of Networks Software Tools and Applications, Springer https://doi.org/10.1007/s10586-018-2262-4 SCI, Impact Factor: 3.4
2.	Shruti Aggarwal, Paramvir Singh	Cuckoo and Krill Herd Based K-Means++ Hybrid Algorithms for Clustering	2019	Expert Systems, Wiley Online Library https://doi.org/10.1111/exsy.12353 SCI, Impact Factor: 1.546
3.	Shruti Aggarwal, Paramvir Singh	Software Fault Prediction Using Hybrid Swarm Intelligent Cuckoo and Bat based kmeans++ Clustering Technique	2021	International Journal of Advanced Intelligence Paradigms, Inderscience Publishers, SCOPUS https://doi.org/10.1504/IJAIP.2021.10016288 Impact Factor: 0.54
4.	Kulpreet Kaur, Shruti Aggarwal	An Automatic and Dynamic Polarity Assignment and Calculation Technique for Online Reviews in Sentiment Analysis	2019	International Journal of Information and Computing Science, Volume 6 - Issue 6
5.	Harpreet Kaur, Shruti Aggarwal	Novel Approach for Implementing Decision Trees Using Backpropagation for Prediction Analysis	2018	International Journal of Review in Electronics & Communication Engineering(IJRECE), VOL. 6 ISSUE 3, Eoryx Publications
6.	Sharanpreet Singh, Shruti Aggarwal	A Hybrid Algorithm to Enhance Image Contrast Based On DHE and IHE	2018	International Journal Of Research And Analytical Reviews, Volume 5, Issue 3
7.	Navreet Kaur, Shruti Aggarwal	Comparative Analysis of Hybrid K-Mean Algorithms on Data Clustering	2017	International Journal of Computer Applications Technology and Research, Volume 6–Issue 8, page: 384-390
8.	Manisha Goyal , Shruti Aggarwal	Optimized K-Mode Algorithm Using Harmonic Technique	2017	International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693, Volume 5, Issue 6, page: 143-148
9.	Manisha Goyal, Shruti Aggarwal	Comparative Study of Initial Centroid based K-Mode Algorithm	2017	International Journal of Advance Engineering and Research Development, Volume 4, Issue 9, page: 171-177
10.	Manisha Goyal , Shruti Aggarwal	A Review on K-Mode Clustering Algorithm	2017	International Journal of Advanced Research in Computer Science, Volume 8, No. 7, page: 725- 729
11.	Navreet Kaur, Shruti Aggarwal	Designing a New Hybrid K-Means Optimization Algorithm	2017	International Journal of Advanced Research in Computer Science, ISSN No. 0976-5697, Volume 8, No. 5, page: 1567-1573
12.	Gurdeep Singh, Shruti Aggarwal	Audio Classification Based on Association & Hybrid Optimization Technique	2015	International Journal of Computer Applications, Foundation of Computer Science, Volume 120 – No.23
13.	Deepika Goyal, Shruti Aggarwal	Integration of Association Rule Mining with ACO using Decision Tree for high resolution image Classification	2014	International Journal of Computer Application, Foundation of Computer Science,ISSN 2250-1787, Volume 5, Issue 4
14.	Gurpreet Kaur, Shruti Aggarwal	A Survey on Various Ranking Algorithms for Web Mining	2014	International Journal of Computer Science & Communication Networks, Volume 3, Issue 2, Pg 105-110

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15.	Prabhjit Singh Sekhon, Shruti Aggarwal	Focused Web Crawling Using Neural Network, Decision Tree Induction and Naive Bayes Classifier	2014	International Journal of Computer Science and Technology, (IJCST), Cosmic Journals Group, Vol 5, Issue 3
16.	Parminder Singh, Shruti Aggarwal	Comparative Study of Various Enhanced K- means Clustering Algorithms	2014	International Journal on Computer Science and Technology, Foundation of Computer Science, Volume 5, Issue1, pages 179-187
17.	Gurdeep Singh, Shruti Aggarwal	A Survey of Association Rule Mining Using Ant Colony Optimization & Genetic Algorithm	2014	International Journal of Computer Science and Technology (IJCST), Cosmic Journals Group, Vol. 5, Issue 3
18.	Nirmal Singh, Shruti Aggarwal	Review on Extraction Using Classifier	2014	International Journal of Scientific Research and Development , Volume 2, Issue 6, page: 415- 417
19.	Kamaljit Kaur, Shruti Aggarwal	Review on Sentence-Level Clustering Using Fuzzy Relational Clustering Algorithm	2014	International Journal for Scientific Research and Development, In Research Publications, Vol. 2, Issue 6
20.	Rupinder Kaur, Shruti Aggarwal	Review on Video Mining	2014	International Journal of Computer Science Trend and Technology, Eighth Sense Research Group (IJCSTT), Vol 2, Issue 3
21.	Dilpreet Kaur, Shruti Aggarwal	Review on Text Clustering Using Statistical and Semantic Data	2014	International Journal of Computer Science Trend and Technology, Eighth Sense Research Group (IJCSTT), Vol 2, Issue 3
22.	Parminder Singh, Shruti Aggarwal	A New Hybrid K-Means Clustering Algorithm	2014	International Journal of Data Mining & Knowledge Management Process, Volume 5, Issue 5
23.	Shruti Aggarwal, Salloni Singla	Review paper on Punjabi text mining techniques	2013	International Journal of Computer Science & Technology, volume 4 Issue 2
24.	Shruti Aggarwal, Babita Rani	A Survey of Association Rule Mining Using Genetic Algorithm	2013	International Journal of Computer Science & Technology, Cosmic Journals Group, Vol. 4, Issue 2
25.	Shruti Aggarwal, Devinder Kaur	Naïve Bayes Classifier with Various Smoothing Techniques for Text Documents	2013	International Journal of Computer Trends and Technology, Seventh Sense Research Group, volume 4, issue 4
26.	Shruti Aggarwal, Ranveer Kaur	Comparative Study of Various Improved Versions of Apriori Algorithm	2013	International Journal of Engineering Trends and Technology, Seventh Sense Research Group, volume 4, Issue 4
27.	Shruti Aggarwal, Parneet Kaur	Comparative Study of Page Ranking Algorithms for Web Mining	2013	International Journal of Computer Trends and Technology, Seventh Sense Research Group, volume 4, Issue 4
28.	Shruti Aggarwal, Janpreet Singh	Survey on Outlier Detection in Data Mining	2013	International Journal of Computer Applications, Foundation of Computer Science, Volume 67, No 19
29.	Prabhdip Kaur, Shruti Aggarwal	Comparative Study of Clustering Techniques	2013	International Journal For Advance Research In Engineering And Technology, Foundation of Computer Science, Volume 1, Issue 3
30.	Ranveer Kaur, Shurti Aggarwal	Techniques for Mining Text Documents	2013	International Journal of Computer Applications, Foundation of Computer Science, Volume 66, No.18

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31.	Salloni Singla, Shruti Aggarwal	Mining Punjabi Text Using Clustering and Classification Techniques	2013	International Journal of Computer Science & Technology, Cosmic Journals Group, volume 4, Issue 1
32.	Ranveer Kaur, Shruti Aggarwal	Association Rule Mining for Punjabi Text	2013	International Journal of Computer Science and Technology, Cosmic Journals Group, Volume 4, Issue 1
33.	Shruti Aggarwal, Babita Rani	Optimization of Association Rule Mining Process using Apriori and Ant Colony Optimization Algorithm	2013	International Journal of Current Engineering and Technology, International Press corporation, Volume 3, Issue 2
34.	Shruti Aggarwal, Babita Rani	Review of Association Rule Mining using and Ant Colony Optimization Algorithm	2013	International Journal of Electronics and Communication Technology, Cosmic Journals Group, Volume 4, Issue 2
35.	Gagandeep Kaur, Shruti Aggarwal	Review on Sentence-Level Clustering Using Fuzzy Relational Clustering Algorithm Rule Mining	2013	International Journal of Computer Applications, Foundation of Computer Science, Volume 67, No.20
36.	Deepika Goyal, Shruti Aggarwal	Optimization Technique of Association with ACO for High Resolution Image Classification: Survey	2013	International Journal of Computer Science Trends and Technology, Eighth Sense Research Group, Volume 1 Issue 2, Page 6-10
37.	Deepika Goyal, Shruti Aggarwal	Review paper of integration of Association Rule Mining with ACO using Decision Tree for high resolution image Classification	2013	International Journal Computer Science and Telecommunication(IJCST), Volume 1, Issue 2
38.	Shruti Aggarwal, Prabhdip Kaur	Survey of Partition Based Clustering Algorithm Used for Outlier Detection	2013	International Journal For Advance Research In Engineering And Technology, IAEME Publication, Volume 1, Issue 5
39.	Gagandeep Kaur, Shruti Aggarwal	Performance Analysis of Association Rule Mining Algorithms	2013	International Journal of Advanced Research in Computer Science and Software Engineering, Advance Academic Publisher, Volume 3, Issue 8
40.	Shruti Aggarwal, Naveen Aggarwal	Classification of Audio Data using Support Vector Machine	2011	International Journal of Computer Science & Technology, ESRG Journals, Page: 398-405

Papers in Conference Proceedings (International)

S.No.	Author (s) (in correct order)	Title of paper	Year	Complete reference: title of conf./ place/ date/page/publisher etc.
1.	Navreet Kaur, Shruti Aggarwal	A Review on Clustering Techniques Using Hybrid K-means Algorithm	2017	Proceedings of International Conference on Communication, Computing and Networking, NITTTR, Chandigarh, 23-24 March, 2017

Papers in Conference Proceedings (National)

S No	Author (s) (in correct order)	Title of paper	Year	Complete reference: title of conf./ place/ date/page/publisher etc.
1.	Deepika Goyal, Shruti Aggarwal	Integration of Association Rule Mining with ACO using Decision Tree for high resolution image Classification	2014	National Conference on Emerging Horizon in Science and Technology, Sri Guru Granth Sahib World University, Fatehgarh Sahib
2.	Parminder Singh, Shruti Aggarwal	Review on Various Enhanced K-means Clustering Algorithms	2014	National Conference on Emerging Horizons in Science & Technology, Sri Guru Granth Sahib World University, Fatehgarh Sahib

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3.	Gurdeep Singh, Shruti Aggarwal	Mining Audio Data: Techniques and Applications	2014	National Conference on Emerging Horizons in Science & Technology (EHST), EHST 14/CC/012, Sri Guru Granth Sahib World University, Fatehgarh Sahib
4.	Shruti Aggarwal	Role of IT in Preservation of Environment	2013	National Conference on Preservation of Environment: Challenges Before Humanity”, Sri Guru Granth Sahib World University, Fatehgarh Sahib
5.	Shruti Aggarwal, Naveen Aggarwal	Challenges and Issues in Speech Information Retrieval	2011	Proceedings of 5th Chandigarh Science Congress, Panjab University, Chandigarh

Seminars/Symposia/Conferences/Workshops etc. attended

Sr.No	Seminar/Symposium/Conference/Workshop with name of organizer and place	Period		Duration
		From	To	
1.	Webinar on # YourNextStep: Career Goals in Covid Times, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	14-08-2020	14-08-2020	1 Day
2.	Webinar on “Youth and Leadership”, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	15-08-2020	15-08-2020	1 Day
3.	Webinar Dedicated to 400th Parkash Purab of Sri Guru Teg Bahadur Ji, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	12-05-2020	12-05-2020	1 Day
4.	Webinar on Care for Elderly During Lockdown, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	14-05- 2020	14-05- 2020	1 Day
5.	Webinar on Learn To Live With Corona, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	19-05- 2020	19-05- 2020	1 Day
6.	Webinar on Martyrdom: Sikh Concept, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	20-05-2020	20-05-2020	1 Day
7.	Webinar on Post Covid-19: Challenges & Opportunities for Indian Economy, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	22-05- 2020	22-05- 2020	1 Day
8.	Webinar on Sri Guru Arjan Dev Ji: Bani, Personality and Martyrdom, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	26-05- 2020	26-05- 2020	1 Day
9.	Webinar on Sri Guru Tegbahadar Ji: Bani Ate Parchar Yatraawan, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	31-05- 2020	31-05- 2020	1 Day
10.	Webinar on Creating Virtual Learning Environment, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	05-06- 2020 10:00 am	05-06- 2020 10:00 am	1 Day
11.	Webinar on World Environment Day-2020, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	05-06- 2020 2.00 pm	05-06- 2020 2.00 pm	1 Day
12.	Webinar on Awareness about Cancer: Symptoms, Diagnosis, Treatment, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	06-06- 2020	06-06- 2020	1 Day
13.	Webinar on Shiromani Gurdwara Parbandh ak Committee: Udesh Sthapna ate Praptyan, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	09-06-2020	09-06-2020	1 Day

Sr.No	Seminar/Symposium/Conference/Workshop with name of organizer and place	Period		Duration
		From	To	
14.	e-Talk on The Art and Science of Happiness, Dept. of Computer Science, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	30-10-2020	30-10-2020	1 Day
15.	Shifting from Black board to Online Learning Mode, Dept. of Computer Science, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	11-08-2020	11-08-2020	1 Day
16.	Webinar on The Sikh Heritage Beyond Borders, Dept. of Religious Studies, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	10-08-2020	10-08-2020	1 Day
17.	Webinar on Learning Outcome Based Curriculum, Dept. of Education, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	14-08-2020 Evening	14-08-2020	1 Day
18.	Webinar on Awareness about Blood Cancer: Symptoms, Diagnosis and Treatment, Dept. of Physiotherapy, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	22-09-2020	22-09-2020	1 Day
19.	Webinar Dedicated to 300 th Birth Anniversary of Bhai Taru Singh Ji (Shahadat Da Sikh Sankalp), Dept. of Religious Studies, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	06-10-2020	06-10-2020	1 Day
20.	Webinar Dedicated to 350 th Birth Anniversary of Baba Banda Singh Bahadur, Dept. of Religious Studies, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	13-10-2020	13-10-2020	1 Day
21.	Webinar Dedicated to 750 th Birth Anniversary of Bhagat Namdev Ji, Dept. of Religious Studies, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	26-10-2020	26-10-2020	1 Day
22.	GoToWebinar Advanced Live and Interactive Training	12-05-2020	12-05-2020	1 Day
23.	Microsoft Event : Teams Introduction for Educators and Staff	19-05-2020	19-05-2020	1 Day
24.	Microsoft Event : Team Edu Introduction for IT Pros	26-05-2020	26-05-2020	1 Day
25.	Microsoft Event : Online Classes and Lectures with All Your Students	02-06-2020	02-06-2020	1 Day
26.	Microsoft Event : Teams Introduction for Educators and Staff	09-06-2020	09-06-2020	1 Day
27.	Microsoft Event : Teams Advanced for IT Pros	16-06-2020	16-06-2020	1 Day

Short Term Courses attended

Sr.No.	Summer School/Winter school/Short term course with name of organizer and place	Period		Duration
		From	To	
1.	UGC Sponsored General Orientation Program, GOC 104, Panjab University, Chandigarh.	25-11-2014	22-12-2014	28 Days
2.	UGC Sponsored Refresher Course: Professional Course, Interdisciplinary, U.I.E.T., Panjab University, Chandigarh.	05-01-2018	25-01-2018	20 Days
3.	AICTE Sponsored FDP Under AQIS 2019-20 on Innovative Pedagogical Methodologies and Tools for Effective Learning in Engineering Education, Department of Business Administration, Guru Nanak Dev Engineering College, Ludhiana	07-12-2020	21-12-2020	15 Days
4.	One-week Faculty Development Programme on “Effective and Efficient Online Teaching in the Age of Corona”	03-08-2020	08-08-2020	7 Days
5.	Short Term Course on “Recent Advances in Network Security and Block chain Technology”, QIP Center IIT Indore	07-12-2020	12-12-2020	7 Days
6.	e –Workshop: Life Skills: Empowering Children To Learn, Dept. of Education, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	03-08-2020 Evening	09-08-2020	7 Days
7.	e-Workshop on Retail Management, Dept. of Commerce and Management, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	27-07-2020 Evening	02-08-2020	7 Days

Sr.No	Summer School/Winter school/Short term course with name of organizer and place	Period		Duration
		From	To	
8.	e-workshop on Health Care and Fitness, Dept. of Physiotherapy, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	27-07-2020 Morning	02-08-2020	7 Days
9.	One week e-Workshop on Media Reporting, Dept. of Punjabi, Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab	03-08-2020 Morning	09-08-2020	7 Days

Sr.No.	Summer School/Winter school/Short term course with name of organizer and place	Period		Duration
		From	To	
1.	5 Day FDP on e-Content Development, International Institute of Organized Research, I2OR Network, Green ThinkerZ Society	01-06-2020	05-06-2020	5 Days
2.	e-Workshop on Contemporary and Ethical Issues in Social Science Research	24-08-2020	28-08-2020	5 Days
3.	Short Term Course: Soft Computing Techniques For Engineering Applications, Baba Banda Singh Bahadur Engineering College	11-07-2016	15-07-2016	5 Days
4.	Short Term Course: Advances In Software Engineering and Knowledge Based System NIT, Jalandhar	16-12-2013	20-12-2013	5 Days
5.	Short Term Course: Animation For Web National Institute of Technical Teachers Training & Research, Chandigarh	20-05-2013	24-05-2013	5 Days
6.	Two Days Interactive Workshop on Emerging Media Platforms: Opportunities and Challenges for the Youth	19-08-2020	20-08-2020	2 Days

Dr. Shruti Aggarwal