



Department Of Computer Science Publications (2015-2021)

Title of the Paper	Name of the author	Name of Journal	Year of publication	Name of publisher	ISSN	Link to UGC enlistment of the Journal
A Comparative Study on Feature Selection Techniques for Multi-Cluster Text data	A. Gupta, S. A. Begum	Advances in Intelligent Systems and Computing	August 2019	Springer nature	2194-5357	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/5100152904
The Role of Fuzzy Logic in Case-based Reasoning: A Survey	Nabanita Choudhury and Begum S.A	Indian Journal of Computer Science and Engineering. Vol. 8, No. 3, pp. 333-340	2017	Engg Journals Publications	ISSN: 0976-5166	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/21100913891
Optimizing Error Function of Backpropagation Neural Network	Munmi Gogoi, Ashim Jyoti Gogoi, Shahin Ara Begum	International Journal of Computer Sciences and Engineering (IJCSE)	April 2019	ISROSET	ISSN 2347 - 2693	UGC Journal Sl.No. 63193
A Survey on Case-based Reasoning in Medicine	Nabanita Choudhury and Shahin Ara Begum	International Journal of Advanced Computer Science and Applications	August 2016	Science & Information Sai Organization Ltd	ISSN 2156 - 5570	UGC-Care List Group A – Web of Science, 2019 DOI : 10.14569/issn.2156-5570
Genetic Algorithm-Based Neural Network for Estimation of Secure Depth Around Bridge Abutment	A.K. Md. Fujail, S. A. Begum , A.K. Barbhuiya	International Journal of Computer Sciences and Engineering (IJCSE)	July 2018	ISROSET	ISSN 2347 - 2693	UGC Journal Sl.No. 63193
ANN Based Features Selection Approach Using Hybrid GA-PSO for siRNA Design	Sarmah, R., Modi., M. K., and Begum, S. A.	International Journal of Computer Science & Information Technology (IJCSIT) Vol. 9, No. 4, pp. 0975-4660	2017	Tech Science Publications	ISSN 0975-3826 (online)	UGC approved Journal No. 2775
Interval Type-2 Fuzzy Integral Based Iris Recognition	Thiyam Churjit Meetei and S. A. Begum	International Journal of Advanced Research in Computer Science	May 2017	Genxcellence Publications	ISSN 0976-5697	UGC approved Journal No. 16320
Iris Recognition using Modular Neural Network and Fuzzy Inference System based Score Level Fusion.	Mozumder, A.I. and Begum, S.A	International Journal of Advanced Research in Computer Science .Vol. 8, No. 7, pp. 604-610	2017	Genxcellence Publications	ISSN-0976-5697	UGC approved Journal No. 2503

Intrusion Detection System for NSL-KDD Data Set using Vectorised Fitness Function in Genetic Algorithm	Bhattacharjee, P. S.,MdFujailAbul Kashim and Begum S. A.	Advances in Computational Sciences and Technology. Vol. 10, Number 2, pp. 235-246,2017	April 2017	Research India Publications	Print ISSN 0973-6107, Online ISSN 0974-4738	UGC approved Journal No. 1279
Classification in the Retrieval Phase of Case-Based Reasoning	Nabanita Choudhury and Begum S.A	International Journal of Advanced Research in Computer Science. Vol. 8, No. 5, pp. 1728-1731	2017	Genxcellence Publications	ISSN: 0976-5697	UGC approved Journal No. 16320
A Comparative Analysis and Critical Review of Summarization Techniques,	MausumiGoswami, B.S Purkayastha	Journal of Computational and Theoretical Nanoscience	2019	American Scientific Publishers	1546 1963	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/28136
Empirical Analysis and Evaluation of Feature selection techniques to find Coherence using Cosine Similarity	MausumiGoswami, B.S Purkayastha	Journal of Computational and Theoretical Nanoscience	2019	American Scientific Publishers	1546 1963	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/28136
An Empirical Analysis of Pre-processing Tasks for Unstructured Data	MausumiGoswami, B.S Purkayastha	Journal of Computational and Theoretical Nanoscience	2019	American Scientific Publishers	1546 1963	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/28136
A Fuzzy based Approach for Empirical Analysis of Unstructured Data	MausumiGoswami, B.S Purkayastha	Journal of Computational and Theoretical Nanoscience	2019	American Scientific Publishers	1546 1963	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/28136
A study on various Applications of NLP developed For North East Languages	Md Saiful Islam & Bipul Syam Purkayastha , Indica Devi	International Journal of Computer Science and Engineering	2017	Engineering Journal Publishers	22295 631	UGC approved Journal No.17761
A Review on Electronic Dictionary and Machine Translation System Developed in North-East India	Bipul Syam Purkayastha	Oriental Journal of Computer Science and Technology	2017	Oriental Scientific Publishing Co., India	0974-6471 Online ISSN : 2320-8481	UGC Journal No. 28481
Implementation of English to Bodo Machine Translation System Using SMT Approach	Md Saiful Islam & Bipul Syam Purkayastha	International Journal of Computer Science and Applications	2017	Technomathematics Research Foundation	0972-9038	2776 (UGC Journal Number)
English to Bodo Phrase-Based Statistical Machine Translation	Md Saiful Islam & Bipul Syam Purkayastha	Advances in Intelligent Systems and Computing	2018	Springer nature	ISSN : 2194-5357	49365 (UGC Journal Number)
NLP tools used in civil aviation: A survey	Saptarshi Paul, B.S. Purkayastha ,	International Journal of Advanced Research in Computer	March-April 2018,		ISSN: 0976-5697	UGC Journal serial no.

	Purnendu Das	Science pp-109-114 Volume 9, No. 2,				1788.
Bodo to English Machine Translation through Transliteration	Saiful Islam and Bipul Shyam Purkhyastha	International Journal Of Innovative Technology and Exploring Engineering	2019	Blue eyes Intelligence Engineering and sciences Publications	22783 075	UGC journal No. 194 (A) https://www.scopus.com/sourceid/21100889409
Digital image watermarking in DFT domain using a Pseudo-random Noise Sequence	Ningombam Jimson, K. Hemachandran	International Journal of Scientific Research in Computer Science Applications and Management Studies, Volume 7 Issue 3.	2017	Meghavat Ravinder	ISSN: 2319-1953	UGC approved, Journal No. 63611
An approach for color image compression of BMP and TIFF images using DCT and DWT	Barbhuiya, A.J K. Hemachandran	International Journal of Computer Engineering and Technology , pp 19-26	2015		0976 – 6367	UGC approved, Journal No. 45405
DFT-SVD based Digital Image Watermarking	Ningombam Jimson, K. Hemachandran	International Journal Of Research In Electronics And Computer Engineering (IJRECE) vol. 7 Issue 1	2019		ONLINE: 2348-2281 PRINT: 2393-9028	UGC approved, Journal No. 44816
Digital Image Watermarking in Discrete Fourier Transform domain	Ningombam Jimson, K.Hemachandran	International Journal of Computer Sciences and Engineering, Vol.6, Issue.5, pp.16-22,	2018	ISROSET	23472 693	UGC approved, Journal No. 63193
Color Image Steganography Using Discrete Wavelet Transformation and Optimized Message Distribution Method	Mazumder, J. A., & Hemachandran, K.	International Journal of Computer Sciences and Engineering, 2(7), 90-100.	2015	ISROSET	23472 693	UGC approved, Journal No. 63193
A fast Global k-means Algorithm for Datasets having Streaming Behavior	Purnendu Das , BishwaRanjan Roy , Sanju Das	International Journal of Computer Science and Engineering Volume 6 Issue-2.	2018	ISROSET	ISSN No. 2347-2693	UGC Journal SI.No. 63193
Balanced Data Clustering Algorithm for both hard and soft clustering.	Purnendu Das , BishwaRanjan Roy , Saptarshi Paul	International Journal of Computer Science and Engineering. Volume 6 Issue-2.	2018	ISROSET	ISSN No. 2347-2693	UGC Journal SI.No. 63193
A Method for Approximating Solution of Ordinary Differential Equations by using Shepard Kernal based Fuzzy Transforms.	Purnendu Das , Sharmistha Bhattacharya (Halder), Saptarshi Paul, Sanju Das.	Mathematical Sciences International Research Journal Volume 5, Issue 1 pp 54-58	2016	IMRF publications	ISSN No. 2278-8697	UGC Journal SI.No. 43832

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Role of cache replacement policies in high performance computing systems: A survey	Purnendu Das	Communications in Computer and Information Science	2019	Springer	18650 929	https://www.springer.com/series/7899
Split ways: An efficient replacement policy for larger sized cache memory	Purnendu Das, BishwaRanjan Roy.	International Journal of Engineering and Advanced Technology	2019	Blue eyes Intelligence engineering and sciences publications	2249-8958	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/21100899502#tabs=0
Balanced Data Clustering Algorithm for both hard and soft clustering.	Purnendu Das, BishwaRanjan Roy , Saptarshi Paul	International Journal of Computer Science and Engineering. Volume 6 Issue-2.	2018	ISROSET	ISSN No. 2347-2693	UGC Journal Sl.No. 63193
Balanced Data Clustering Algorithm for both hard and soft clustering.	Purnendu Das, BishwaRanjan Roy , Saptarshi Paul	International Journal of Computer Science and Engineering. Volume 6 Issue-2.	2018	ISROSET	ISSN No. 2347-2693	UGC Journal Sl.No. 63193
A Method for Approximating Solution of Ordinary Differential Equations by using Shepard Kernal based Fuzzy Transforms.	Purnendu Das, Sharmistha Bhattacharya (Halder), Saptarshi Paul , Sanju Das.	Mathematical Sciences International Research Journal Volume 5, Issue 1 pp 54-58	2016	IMRF publications	ISSN No. 2278-8697	UGC Journal Sl.No. 43832
English to Bengali Transliteration Tool for OOV words common in Indian Civil Aviation	Saptarshi Paul , B.S. Purkhyasta	Journal of Advanced Database Management & Systems	April 2019	STM Journals	ISSN: 2393-8730 (Online)	UGC Journal No. 47085
NLP tools used in civil aviation: A survey	Saptarshi Paul , B.S. Purkhyasta, Purnendu Das	International Journal of Advanced Research in Computer Science pp-109-114 Volume 9, No. 2	March-April 2018,		ISSN: 0976-5697	UGC Journal serial no. 1788.
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Handling aviation OOV words for machine translation and corpus creation.	Saptarshi Paul, Bipul Syam Purkaystha	Indian Journal of Computer Science and Engineering (IJCSE), Vol. 11 No. 5 pp-471-477	Sep-Oct 2020.	Engg Journals Publications	ISSN: 0976-5166	UGC CARE LIST-II (Scopus Indexed)
English to Bengali Neural Machine Translation System for the Aviation Domain.	Saptarshi Paul, Bipul Syam Purkaystha,	INFOCOMP Journal of Computer Science Vol. 19, No. 2, , pp. 78-97	Decemb er 2020	Department of Computer Science, Federal University of Lavras	1982-3363	UGC CARE LIST-I
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An Experimental Approach for Understanding Internet of Things (IOT) for Corporate Model and Various Platforms	Bhagwan Sahay Meena , Hemchandran K	International Journal of Innovative Technology and Exploring Engineering Volume 8Issue-7 Pages228-240	2019	Blue Eyes Intelligence Engineering and sciences publications	2278-3075	Category A(Scopus Indexed) https://www.scopus.com/sourceid/21100889409
Improved Coverage Area based on Boundary Coverage Technique for Wireless Sensor Network	BhagwanSahayMeena	International Journal of Advanced Science and Technology Volume27 Issue1 Pages127-136	2019	Science & Engineering Research Support Society	2207-6360	Category A(Scopus Indexed)(El sevier) https://www.scopus.com/sourceid/21100829147#tabs=0
Analysis of Different Coverage and Connectivity Techniques	BhagwanSahayMeena	International journal of Recent Engineering and Technology Volume8 Issue2S3 Pages1636-1650	2019	Blue Eyes Intelligence Engineering and sciences publications	2277-3878	Category A (Scopus Indexed) https://www.scopus.com/sourceid/21100889873
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An Association Rule Based Model for Discovery of Eligibility Criteria for Jobs	Pankaj Kumar Deva Sarma	International Journal of Computer Sciences and Engineering (IJCSE) Vol.6, Issue.2, pp.143-149, Feb-2018	Accepted: 23/Feb/2018, Published: 28/Feb/2018.	ISROSET	ISSN No. 2347 2693	UGC approved (Journal No. 63193)
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A lemmatizer tool for Assamese language	Arindam Roy , Sunita Sarkar, H.Subahas Barkakoti	Communications in Computer and Information Science	2019	SPRINGER-NATURE	1865-0929	UGC-CARE List, Group A Scopus Source List https://www.scopus.com/sourceid/17700155007
Image Processing Technique To Detect Fish Disease	H. Chakravorty, R. Paul, P. Das	International Journal of Computer Science & Security (IJCSS)Volume 9, Issue 2, 2015, pp. 121-131	2015		1985 - 1553	
Neem Leaf Aspect Ratio Measurement Using Image Processing Technique	R. Paul, H. Chakravorty, P. Das	International Journal of Research and Scientific Innovation Volume II, Issue VI, 2015, pp. 58-60	2015		2321-2705	
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Data Fusion in Wireless Sensor Network-A Survey	I. Chakraborty, P. Das	Int. J. Sc. Res. in Network Security and Communication Volume-5, Issue-6	2017		2321 - 3256	
Trust-Based Routing for Mitigating Grayhole Attack in MANET	K. Ullah, P. Das	Lecture Notes in Networks and Systems vol 24, 2018, pp. 713-721	2018		ISBN : 978-981-10-6889-8	
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