

Curriculum Vitae

1 **Name in Full** :- SUNEETA AGARWAL

2 **Father's Name** :- Late B.P. Agarwal

3 **Present Postal Address** :- A-10 Staff Colony, M.N.N.I.T., Allahabad - 211004

4 **Nationality** :- Indian

5 **Educational Qualifications** :-

S.No	Degree	University	Year	Percentage
1	M.Tech(CS)	Allahabad Agriculture Institute, (Deemed Univ.)	2007	76.11% (Hon)
2	Ph.D	I.I.T.Kanpur	1980	NA
3	M.Sc (Maths)	Allahabad University	1975	71%
4	B.Sc	Allahabad University	1973	60.25%

6 **Field of Specialization** :-

1. Operation Research
2. Algorithms
3. Theoretical Computer Science

7 **Present Position** :- Professor, Department of Computer and Engineering,
MNNIT, Allahabad.

8 **Total Teaching Experience** :- Over Thirty Six (36) Years

9 **Previous Employments** :-

Sl. No	Post held	Year of Joining	Institute	Total Experience	Salary Drawn
1	Professor	09/06/2006	M.N.N.I.T. Allahabad	10 years	Rs 64020/-
2	Associate Professor	25/04/1996	M.N.N.I.T. Allahabad	10 years	Rs 51120/-
3	Assistant Professor	13/08/1980	M.N.N.I.T. Allahabad	16 years	Rs 4000/- (Old Scale)

10 **Ph.D Produced** :-

Twelve(12) Completed. Five (05) in Progress

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	Name	Year	Title of the Thesis	Institute
1.	Nikam Shankar Bhausahab	2009	Texture- Based Live ness Detection Embedded Fingerprint Biometric Sys-tem Using Curvelets	MNNIT ALLD
2.	Ashutosh Gupta	2010	Text compression schemes for various state of a airs allowance partial decompression and other operations	MNNIT ALLD
3.	Sanjai Kumar Gupta	2010	Copyright Protection For Digital Images Through Watermarking	Bundelkhand University, Jhansi
4.	Rajesh Prasad	2012	Improved Algorithms for various string Matching Problems through Bit-Parallelism and other Techniques.	MNNIT ALLD
5.	Sushila Kamble	2013	Imperceptibility and robustness improvement in digital image watermarking	MNNIT ALLD
6.	Chintan Mandal	2014	Application of Delaunay Triangulation for Some 2D- Euclidean Geometric Graph Problems in the Online and Ki- netic Environment	MNNIT ALLD
7.	Hitendra Garg	2014	Watermarking in 3D polygon mesh objects	MNNIT ALLD
8.	Vikas Maheshkar	2014	Face Recognition System	MNNIT ALLD
9.	Anand Prakash Shukla	2015	Design and Analysis of cellular automata based algorithms for some image processing	MNNIT ALLD
10.	Neelam Bhardwaj	2015	A New Imaging Approach for Automatic Thresholding of Photo Defects	MNNIT ALLD
11.	Priyanka Singh	2016	OWNERSHIP ASSERTION AND AUTHENTICATION OF IMAGES VIA WATER MARKING	MNNIT Allahabad

12.	Shivendra Shivani	2016	Novel Advancements in Multiple Dimensions of Visual Cryptography	MNNIT Allahabad
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10 **M.Tech. Thesis Guided (96) :-**

Sl. No	Title	Name	Year
1.	Broadcasting in Trees	R.Suchit Yadav	1993
2.	Broadcasting in General Trees	C.Vinood D'Souza	1994
3	A Knowledge Based System to Recognize Confusing Handwritten Numerals	G.V.R.Sharma	1994
4.	Wafer Packing Problems	Km.U.Sailaja	1995
5.	Amsqueeze: An Archiving Package	Km. Arpita Mishra	1995
6.	A faster Algorithm for multiple Error Spelling Correction	G.V.R.Sharma	1997
7.	OnLine Signature Verification System	V.Brahma Naidu	1998
8.	Fuzzy Logic Based Numeral Recognition	Chaudhri Pd. Pandit	1999
9.	Online signature Verification Based on Effective Global and Local Feature Extraction and its Experimentation on Linguistic Signatures	C.V.Suresh Babu	1999
10.	Implementation of Fuzzy Grammar Using Recurrent Neural Networks	Kanishka Sarkar	2000
11.	Fingerprint Matching	Yashpal Singh	2000
12.	Fast Fingerprint Verification Through Minutiae Extraction Using Moving Window Algorithm	Sanjai Kumar Gupta	2001
13.	Compression Using Encryption	Ashutosh Gupta	2001
14.	Handwritten Character Recognition Using Ring Data Vector	Ravindra Kr. Purwar	2001
15.	Morphological Analysis on Images	Phoolan Kumar	2002
16.	On Line Character Recognition	Km.Garima Gupta	2002
17.	Speech Recognition	Sashi Kant Verma	2002
18.	Shortest path using Neural network	K. Ganesh	2003
19.	On line Hindi Character Recognition	Ashish Mahendru	2003

20.	Genetic Algorithm Approach for facility layout problem	Venkat Rao	2003
21.	Face Detection Using Neural Networks and Support Vector machine	Ramanarasimha	2003
22.	Programmable, Low cost Interactive Voice response System	M. Inamullah	2004
23.	Frontal View Face Detection	Aditi Gupta	2004
24.	Handwritten English Character Recognition based on Moments	Km. Vibha	2004
25.	Genetic and Memetic Algorithms for VLSI circuit Partitioning	Venkat Rao	2004
26.	On Line signature verification system using Dynamic feature extraction method	Upendra Singh	2005
27.	Smoothing an image with circular Gaussian Filter	K.K.Misra	2005
28.	Template based rotation invariant digital image watermarking	Parmnand Singh	2005
29.	Improvement over LZW for better Text Compression and retrieval	Kakoli Banerjee	2005
30.	Integration of Markov Model and Neural Networks for speech recognition	Ajeet singh	2005
31.	Character recognition using elastic dynamic matching	Vikash	2005
32.	Study of Multiple String matching Algorithms Based on Shift or Algorithm	Rajesh Prasad	2006
33.	Analysis of Aho Corasick Algorithm for Multiple pattern Matching in Text	Ram Kumar	2006
34.	A reduced form of Human Coding tree representation	Pradeep Kumar Botu	2006
35.	XADAP-An adaptive Human coding on Markup languages	Cherukuri Kishore Babu	2007
36.	A new Arithmetic coding scheme by converting multi symbol alphabet to m-ary alphabet	Rakesh Apparaju	2007
37.	PPM revisited with escape probability estimation	Azaruddin Sayyed	2007
38.	Image compression using simple arithmetic operations	Sesha Giri Rao	2007

39.	Finger print verification using pores	Nagesh Babu	2007
40.	A Block-based technique for early detection and prevention from propagation of errors in VLC coded data	Upendra Singh Rajpurohit	2008
41.	Finger Print Based Male-Female Classification	Manish Verma	2008
42.	Normalized Cross correlation Based Finger print matching	Deepak Karna	2008
43.	Digital Image Water Marking Based on Discrete Wavelet Transform	Akash Yadav	2009
44.	An Algorithm for subsurface Fire Detection in MODIS Images An improved Accuracy Assessment procedure	Abhishek Jain	2009
46.	ACO to nd degree constrained minimum spanning tree (Algorithm)	Praveen kumar	2010
47.	Improved Human Coding method based on number character	Amardeep Singh	2010
48.	Robust Multiple Image Watermarking based on Spread transform	Jaishri Jain	2010
49.	Web GIS based series information system in Uttar Pradesh	Vikas Gupta	2010
50.	A new Parallel Algorithm to nd out the longest common subsequence from multiple biological sequences	Amit shukla	2010
51.	Greedy Genetic Algorithm to Bounded Knapsack Problem	Sirsiz kayasha	2010
52.	Remedy Action Request System	Reetika patel	2010
53.	Performance Analysis of Linux System using observation Tool	Richa Goyal	2010
54.	Reoptimization for Steiner trees	Subhash Panwar	2010
55.	Online Signature Verification based on Pixel Oriented and Component Oriented Feature Extraction	Swati Srivastava	2011
56.	GIS based Framework for the Management of the PARAG Co-operative Dairy	Sanjay kumar	2011
57.	Efficient Greedy and Dynamic Approach for LCS	Priyanka Gautam	2011
58.	Land Cover Change Detection using Multitemporal	Priyanka Singh	2011

	Satellite Data		
59.	Protecting Ownership of Digital Images: A New Robust and Blind Watermarking Technique	Amrendra Nath Tripathi	2011
60.	Image Authentication and Recovery using Fragile Watermarking Scheme	Shivendra Shivani	2011
61.	Maintaining Shortest path Tree in Dynamic Diagraphs	Atul Kumar Rai	2011
62.	Sparse Matrix Operations using CSR Formats	Anoop Patel	2011
63.	Rotational Invariant Texture Based Image Indexing Retrieval	Ms Shuchi Srivastava	2011
64.	A New Semi Blind and Invisible Watermarking Scheme for Digital Images	Ms Arpita Srivastava	2011
65.	Improved Shape Matching and Object Recognition Based on Shape Context	Ms Shilpi Srivastava	2011
66.	Computation of Translocation Distance Between Two Genomes	Mr.Karunesh Kumar	2011
67.	Genetic Rearrangements by Reversals	Mr.Brajesh Kumar Umrao	2011
68.	Comparison of Edge Detection Techniques on Alphanumeric Characters	Mr.Rajesh Kumar	2011
69.	Construction of Approximate Minimum spanning tree for kinetic objects in Euclidean 2D-space	Anil Kumar Sahu	2012
70.	On a geometric invariant image watermarking scheme for authentication	Kunal Sain	2012
71.	On creation of shares for visual cryptography	Mradula Sharma	2012
72.	Hand geometry based gender classification	Shubhra Shivani	2012
73.	An approach of face feature extraction and its illumination normalized images for gender classification	Ruchi Goel	2012
74.	On a Face Recognition and Gender Classification System	Priyanka Goel	2012
75.	Phrase matching in (s,c) dense code compressed les	Jagadish Dharanikota	2012

76.	Secure baggage management at airport using 2D barcode	Atul Srivastav	2012
77.	Dynamized Tango tree to solve the dictionary problems	V. S. Anirudha kaki	2012
78.	Data Compression Using Hamming Code	Namita Sharma	2012
79.	Moving Object Detection in Videos Using Background Subtraction	Kshitij Kumar	2013
80.	DCT Based Image Authentication and Recovery Using Fragile Watermarking Scheme	Durgesh Singh	2013
81.	Image Protected Shares Generation based on Visual Cryptography and Fragile Watermarking Scheme	Surendra Kumar Raut	2013
82.	A New Dynamic Data Structure For Dictionary With Efficient Insertion And Searching (Variant of the Classified Multisus x Trie)	Neha Gupta	2013
83.	Effective vehicle detection for traffic surveillance system	Akanksha Pandey	2013
84.	DCT-SVD And Chaotic Map Based watermarking Scheme for Rightful Ownership Protection	Ankita Kumar	2013
85.	Text Compression using Adaptive Character Wordlength Algorithm	Kalpana Chaudhary	2013
86.	Enhanced Visual Cryptography Scheme	Gupta Nitin Lax manbhai	2014
87.	Edge Adaptive Image Steganography	Himanki Jain	2014
88.	Halftone Visual Cryptography with Pixel Expansion through Error Diffusion	Prateek Kumar	2014
89.	Histogram Equalization for Contrast Enhancement of both Overexposed and Underexposed Images	Deepika Agaewal	2015
90.	DCT based Static Video Summarization Surveillance System	Prachi Singh	2015
92.	Efficient Read Alignment using Burrows Wheeler Transform and Wavelet Tree	Sanjeev Kumar	2015
93.	Ground and Non-Ground Filtering of Airborne Li-DAR Data	Suchita Yadav	2015
94.	Color Image Segmentation using MST based	Arpita Kumari	2016

	Approach		
95.	Interval Graph and its Applications	Divya Srivastava	2016
96.	Image enciphering using modified AES with secure key transmission	Shahina Anwarul	2016

11 Publications :-

International Journals [63]

- [1] S. Agarwal, P. Sharma, and A. K. Mittal. An extension of the edge covering problem. *Mathematical Programming*, 23:353{356, 1982. 10.1007/BF01583800.
- [2] Sunita Agarwal, A K. Mittal, and P Sharma. Constrained optimum communication trees and sensitivity analysis. *SIAM J. Comput.*, 13:315{328, May 1984.
- [3] Arun K. Pujari, Suneeta Agarwal, and V. P. Gulati. A note on the constrained shortest-path problem. *Naval Research Logistics Quarterly*, 31(1):87{89, 1984.
- [4] S. Agarwal, A. Mittal, and P. Sharma. A decomposition algorithm for linear relaxation of the weighted r-covering problem. *Mathematical Programming*, 31:67{77, 1985. 10.1007/BF02591862.
- [5] S. Agarwal and Ashutosh Gupta. A fast and efficient compressor for xml data. *Intl. Engg. and Tech. journal of Information Systems*, 1:74{80, 2007.
- [6] S. Agarwal and Ashutosh Gupta. Evolutionary approach for compressing textual documents. *Intl. Journal of computer Science and Engineering Systems*, 2:19{27, 2008.
- [7] S. Agarwal and Ashutosh Gupta. A review on xml compressors and future trends. *Intl Journal of Computer Science and Engineering Systems*, 2:227{ 234, 2008.
- [8] S. Agarwal and Ashutosh Gupta. A scheme that facilitates searching and partial decompression of textual documents. *Intl. Journal of Advanced Computer Engineering*, 1:99{109, 2008.
- [9] S. Agarwal and S. Nikam. Gabor co-occurrence texture and wavelet based fingerprint matching. *International Journal of Automated Identification Technology*, 1:31{43, 2008.
- [10] Suneeta Agarwal. A note on solving arithmetic problems using feed-forward neural networks". *Neurocomputing*, 71(4{6):1101{1102, 2008.
- [11] Ashutosh Gupta and S. Agarwal. Browsing compressed collection of semi-structural documents. *Intl Journal of Computer Science and Engineering Systems*, 2:29{36, 2008.
- [12] Shankar Bhausahab Nikam and Suneeta Agarwal. Local binary pattern and wavelet-based spoof fingerprint detection. *International Journal of Biometrics*, 1:141{159, 01 2008.

- [13] S. Agarwal and A. Gupta. A fast decodable adaptive compression for textual document. *International Journal of Information Retrieval*, 2:16{30, 2009.
- [14] S. Agarwal and A. Gupta. Retrieving the compressed collection of dynamic document. *International Journal of Information Retrieval*, 2:1{15, 2009.
- [15] S. Agarwal and Sanjai kumar Gupta. Performance analysis of a block complexity based data embedding (abcde) for color images in spatial domain. *Inter-national Journal of Theoretical And Applied Information Technology (JATIT)*, 10:60{66, December 2009.
- [16] Shankar Bhausaheb Nikam and Suneeta Agarwal. Co-occurrence probabilities and wavelet-based spoof fingerprint detection. *Int. J. Image Graphics*, pages 171{199, 2009.
- [17] Shankar Bhausaheb Nikam and Suneeta Agarwal. Feature fusion using gabor lters and cooccurrence probabilities for fingerprint antispoofing. *Int. J. Intell. Syst. Technol. Appl.*, 7:296{315, July 2009.
- [18] Shankar Bhausaheb Nikam and Suneeta Agarwal. Ridgelet-based fake finger-print detection. *Neurocomputing*, 72(10{12):2491{2506, 2009.
- [19] Shankar Bhausaheb Nikam and Suneeta Agarwal. Wavelet based multiresolution analysis of ridges for fingerprint liveness detection. *Int. J. Inf. Comput. Secur.*, 3:1{46, June 2009.
- [20] S. Agarwal, Abhishek Jain, and Dharmendra Singh. Selection of region of interest for assessment of classification accuracy in remote sensing data. *Inter-national Journal of Information Processing*, 4:56{63, 2010.
- [21] S. Agarwal and Sanjai kumar. Gupta. Comparison of least significant bit (lsb) insertion in rgb and ycber color space. *International Journal of Electronics and Computers*, 2:45{49, jan-jun 2010.
- [22] Ashutosh Gupta and Suneeta Agarwal. A fast dynamic compression scheme for natural language texts. *Computers and Mathematics with Applications*, 60(12):3139{3151, 2010.
- [23] Ashutosh Gupta and Suneeta Agarwal. Partial retrieval of compressed semi-structured documents. *Int. J. Comput. Appl. Technol.*, 38:239{249, August 2010.
- [24] Shankar Nikam and Suneeta Agarwal. Curvelet-based fingerprint anti-spoofing. *Signal, Image and Video Processing*, 4:75{87, 2010. 10.1007/s11760-008-0098-8.
- [25] Subhash Panwar and Suneeta Agarwal. Article: Fast reoptimization of steiner trees: Changing the edge set. *International Journal of Computer Applications*, 1(28):22{24, February 2010. Published By Foundation of Computer Science.
- [26] S. Agarwal and Ashutosh. Gupta. A novel approach for compressing the dna sequences using semi statistical compressor. *International Journal of Computers and Applications, ACTA*, 33:1{14, 2011.

- [27] S. Agarwal, Vikas Maheshkar, Sushila Kamble, and Vinay Srivastava. Dct-based reduced face for face recognition. *International journal of Information Technology and management*, 5:97{100, jan-jun 2011.
- [28] S. Agarwal, Rajesh Prasad, and Sanjay Misra. Efficient bit-parallel multi-patterns approximate string matching algorithms. *Scientific Research and Es-says (SRE)*, 6:876{881, 2011.
- [29] S. Agarwal, Prasad Rajesh, and Misra Sanjay. Parameterized string matching algorithms with application to molecular biology. *Nigerian Journal of Techno-logical Research*, 77, 2011.
- [30] Ashutosh Gupta and Suneeta Agarwal. Searching a pattern in compressed dna sequences. *International Journal of Bioinformatics Research and Applications*, 7:115{129, 01 2011.
- [31] Sushila Kamble, Vikas Maheshkar, Vinay Kumar Srivastava, and Suneeta Agarwal. Multiple watermarking for copyright protection using dwt and dual-tree cwt. *International Journal of Intelligent Engineering Informatics*, 1:348{369, 01 2011.
- [32] Shivendra Shivani, Sushila Kamble, Anoop Kumar Patel, and Suneeta Agarwal. Image authentication and restoration using block-wise fragile watermarking based on k-medoids clustering approach. *IJCA Proceedings on International Conference and workshop on Emerging Trends in Technology (ICWET)*, (14):44-51, 2011. Published by Foundation of Computer Science.
- [33] S. Agarwal, Sushila Kamble, Maheshkar, and Vikas Vinay Srivastava. Dwt-svd based robust image watermarking using arnold map. *International journal of Information Technology and management*, 5:101{105, jan-june 2012.
- [34] Suneeta Agarwal and Prakhar Panwaria. Implementation, analysis and application of retroactive data structures. *International Journal of Advances in Computer Science and its Application - IJCSIA*, 2(1):28{33, 25 April 2012.
- [35] C. Mandal, A. Sahu, and S. AGARWAL. Maintaining a minimum span-ning tree for kinetic autonomous robots in 2d-euclidean plane. *ROMANIAN ACADEMY SECTION FOR INFORMATION SCIENCE AND TECHNOLOGY*, 15(4):319{334, 2012.
- [36] R. PRASAD, S. AGARWAL, S. MISRA, A. K. SHARMA, and ALOK SINGH. Maintaining software through bit-parallelism and hashing the parameterized q-grams. *TEHNICKI VJESNIK - TECHNICAL GAZETTE*, 19(2):243{247, June 2012.
- [37] SUNEETA AGARWAL, DURGESH SINGH, and SHIVENDRA SHIVANI. Quantization-based fragile watermarking using block-wise authentication and pixel-wise recovery scheme for tampered image. *International Journal of Image and Graphics*, 13(02):1340002, 2013.

- [38] Neelam Bhardwaj and Suneeta Agarwal. A new technique for extracting im-age information beyond visibility. *International Journal of Information and Computation Technology*, 3(09):539{548, 2013.
- [39] Kalpana Chaudhary and Suneeta Agarwal. Text compression using adaptive character word length algorithm. *International Journal of Systems , Algorithms & Applications*, 3:187-189, May 2013.
- [40] Hitendra Garg and Suneeta Agarwal. Article: A secure image based water-marking for 3d polygon mesh. *ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY*, 16(4):287{303, 2013.
- [41] Kshitij Kumar and Suneeta Agarwal. An e cient hierarchical approach for background subtraction and shadow removal using adaptive gmm and color discrimination. *International Journal of Computer Applications*, 75(12):1{7, August 2013. Published by Foundation of Computer Science, New York, USA.
- [42] Priyanka Singh and Suneeta Agarwal. A visual cryptography based watermark-ing scheme incorporating the concepts of homogeneity analysis and singular value decomposition. *International Journal of Computer Application*, 80(16):1{9, 2013.
- [43] Shivendra Shivani Surendra K. Raut, Durgesh Singh and Suneeta Agarwal. Hybrid approach for image protected shares based on visual cryptography and fragile watermarking scheme. *International Journal of Information and Computation Technology*, 3(09):893{900, 2013.
- [44] Neelam Bhardwaj and Suneeta Agarwal. Article: An imaging technique for retrieval of lost content in damaged documents. *International Journal of Computer Application*, 104(5), 2014.
- [45] Mradula Sharma, Kunal Sain, and Suneeta Agarwal. Article: Ges: A group based encoding of shares for visual cryptography without pixel expansion. *International Journal of Computer Applications*, 91(3):1{7, April 2014. Published by Foundation of Computer Science, New York, USA.
- [46] Anand Prakash Shukla and Suneeta Agarwal. An enhanced cellular automata based scheme for noise filtering. *International Journal of Signal Processing, Image Processing and Pattern Recognition*, 7(4):231{242, 2014. ISSN 2005-4254
- [47] Neelam Bhardwaj and Suneeta Agarwal. Article: An imaging approach for automatic thresholding of photo defects. *Pattern Recognition Letters*, Elsevier, 60:32{40, 2015.
- [48] Neelam Bhardwaj and Suneeta Agarwal. Article: Review of image defect detection and inpainting techniques and scope for. *International Journal of Emerging Sciences*, 5(1):49{65, 2015.

- [49] B Rajitha Mahima Shanker Pandey and Suneeta Agarwal. Article: Computer assisted automated detection of knee osteoarthritis using x-ray images. *Inter-national Journal of Regulation and Governance*, 1(2):74{79, 2015.
- [50] Priyanka Singh and Suneeta Agarwal. Article: An efficient fragile watermarking scheme with multilevel tamper detection and recovery based on dynamic domain selection. *Multimedia Tools and Applications*, *Multimed Tools Appl* DOI 10.1007/s11042-015-2736-9 2015.
- [51] Priyanka Singh and Suneeta Agarwal. Article: A robust blind watermarking scheme for ownership assertion of multiband satellite images. *The International Arab Journal of Information Technology*, 2015.
- [52] Rajitha B and suneeta Agarwal. Article: Automated human bone age assessment using image processing methods-Survey. *International Journal of Computer Applications*, 104(13), 2014.
- [53] Nidhi Gupta, Anand Prakash Shukla, and Suneeta Agarwal “Despeckling of Medical Ultrasound Images : A Technical Review ” *International Journal of Information Technology and Computer Science (Indexed in ISI Web of Knowledge)*(Accepted).
- [54] Anand Prakash Shukla, and Suneeta Agarwal “Selection of optimum rule set of two dimensional cellular automata for some morphological operations”, *International Journal of Information Technology and Computer Science* 2015, 12, 50-58. 2074-9007 (Print), 2074-9015 (Online) (Indexed in ISI Web of Knowledge).
- [55] Shivendra Shivani, Suneeta Agarwal “Novel Basis Matrix Creation and Preprocessing Algorithms for Friendly Progressive Visual Secret Sharing with Space-Efficient Shares”, In Press *MULTIMEDIA TOOLS AND APPLICATIONS Springer*, Vol 75, No. 7. DOI 10.1007/s11042-016-3484-1
- [56] Priyanka Singh and Suneeta Agarwal. Article: A self recoverable dual watermarking scheme for copyright protection and integrity verification, *Multimedia Tools and Applications*, *Multimed Tools Appl* DOI Issn="1573-7721",2016.
- [57]GARG HITENDRA, AGRAWAL SUNEETA AND VARSHNEYA GOPALJI “ An Active watermarking of 3D object “ *International Journal Management Development & Information Technology* (2011) VOL. 9, pp. 88-93.(Print ISSN.0976-8440)
- [58]GARG HITENDRA, AGRAWAL SUNEETA AND VARSHNEYA GOPALJI, "Double security watermarking algorithm for 3d model using ieee-754 floating point arithmetic" *International Journal of Computer Applications* (2012), Vol 46, No. 9 Published by Foundation of Computer Science, New York, USA (Print ISBN: 973-93-80868-47-8, DOI: 10.5120/6937-9302).

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- [60]Shivendra Shivani, Suneeta Agarwal, Progressive visual cryptography with unexpanded meaningful share, *ACM Transaction of Multimedia computing, communication and application*. Vol 12 no 4 article 50 ,aug2016,pp50.1- 50.40-24, DOI: 10.1145/2935618 (SCI)
- [61] Shivendra Shivani, Rajitha B., Suneeta Agarwal "XOR based Continuoustone Multi Secret Sharing for Store-and-forward Telemedicine", has been accepted for publication in *MULTIMEDIA TOOLS AND APPLICATIONS -2016*, DOI: 10.1007/s11042-016-4012-z. (SCI).
- [62] P. Kumar,S.Agarwal, Shivendra Shivani “Halftone Visual Cryptography with Pixel Expansion through error diffusion” *International journal of information & computation Technology*,ISSN,0974-2239,vol4 no 14 pp1419-1427 (2014).
- [63] Shivendra Shivani, S Agarwal “VPVC: verifiable progressive visual cryptography” *Pattern Analysis and Applications*(Springer), 1-28 -2016

International Conferences [133]

- [1] Anil Kumar Sahu, Chintan Mandal, and Suneeta Agarwal. Approximate min-imum spanning tree for points moving in a euclidean two-dimensions plane. In *The Fourth International Workshop on Wireless and Mobile Networks (Wi-MoNe - 2012)*, WiMoNe - 2012, December 22 - 24.
- [2] S. Agarwal. A study of stack permutations. In *International Conference on Recent Advances in Mathematical Sciences*, I.I.T. Kharagpur, pages 384{394, December 2000.
- [3] S. Agarwal. Properties of stack permutations. In *Constructive Functions Tech-04*, Georgia Institute of Technology, Atlanta U.S.A, Nov 7-9 2004.
- [4] Suneeta Agarwal and Vikas Kumar. Online character recognition. In *ICITA (1)*, pages 698{703, 2005.
- [5] Upendra Kumar and S. Agarwal. Verification of online signatures using features extraction method. In *Conference on Next Generation IT: Documenting The Future*, Gyan Ganga Inst. of Tech. and Sciences, March 18-20 2005.
- [6] Vikas Kumar and S. Agarwal. Template based writing independent on line character recognition using elastic matching. In *International Conference on Intelligent Systems 2005(ICIS 2005)* Kuololumpur, Dec 1-3 2005.

- [7] Rakesh Apparaju and Suneeta Agarwal. An arithmetic coding scheme by converting the alphabet to m-ary alphabet. In International conference on Computational Intelligence and Multimedia Applications (ICCIMA-07), pages 142{146, 2007.
- [8] Kishore Cherukuri and Suneeta Agarwal. Xadap:an adaptive hu man coding on markup language. In International conference on Computational Intelligence and Multimedia Applications (ICCIMA-07), pages 147{151, 2007.
- [9] Ashutosh Gupta and Suneeta Agarwal. Block based lzw compression of dynamic documents. In International Conference on Information and Communication Technology (IICT - 07) Dehradun Uttaranchal, pages 261{263, July 2007.
- [10] Ashutosh Gupta and Suneeta Agarwal. New transform for improving compression performance in natural language text. In IMECS, pages 564{567, 2007.
- [11] Ashutosh Gupta and Suneeta Agarwal. Word based text compression using encryption. In IMECS, pages 471{473, 2007.
- [12] Varun Jain and Suneeta Agarwal. A modification in sieve sort. In First Regional Conference on Computational Science and Technology,RCCST-2007 University Kinabalu, pages 464{467, November 29-30 2007.
- [13] S. Nikam and Suneeta Agarwal. An automatic fingerprint recognition using minutiae features and wavelet transform. In International Conference on Advanced Computing and Communication Technologies (ICACCT 2007), APIIT, Panipat, India, pages 528{533, November 3-4 2007.
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- [15] S. Nikam and Suneeta Agarwal. Fingerprint feature extraction and matching. In International Conference on Information and Communication Technology (IICT 2007), Dehradun, Uttaranchal, India, pages 50{55, July 26-28 2007.
- [16] S. Nikam and Suneeta Agarwal. A novel approach to fingerprint identification using minutiae features. In IEEE International conference on Advances in Computer Vision and Information Technology (ACVIT), Aurangabad, India, pages 212{217, November 28-30 2007.
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13 Other Relevant Information

14.1 Details of Administrative :-

- 1. Head of Department of Computer Science and Engineering since July, 2012. (Present)
- 2. Dy Dean(R&C)
- 3. Dy Dean(Academics)
- 4. Warden (Girls Hostel)
- 5. Convenor (DUGC)
- 6. Convenor (DPGC)
- 7. O.C. (Computer Vision Lab)
- 8. In-charge (Department purchase committee)
- 9. Chairperson (Women Grievance Committee)
- 10 Chairperson

14.2 Projects Undertaken :-

- 1. Development of Robotics Facility { Ministry of Human Resource Development, Govt. of India.
- 2. Learning Material on Discrete mathematics {I.S.T.E., New Delhi. (Already completed)

14.3 Details of membership of Professional Bodies :-

- 1. I.S.T.E. (Life Member)
- 2. Computer Society of India (Life Member)
- 3. IEEE

14.4 Books Published :-

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1. Discrete Mathematics and Graph Theory (In Press)

14.5 **Reviewer of Journal/conference papers :-**

1. Neuro Computing (Elsevier)
2. CSVTU Research Journal (CSVTU, Chhattisgarh Swami Vivekanand Technical University)
3. Conference- ICCIMA'07 Shiva Kashi
4. WSAS Journals and conferences
5. Institution of Engineers