

CURRICULUM VITAE

Navpreet Kaur Walia

Assistant Professor

Department of Computer Sci & Engg.

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Personal Details

Husband's Name: Kanwarpreet Singh

Father's Name: Paramjeet Singh Walia

Marital Status: Married

Nationality: Indian

Hobbies: Dancing, Painting

Educational Qualification

| Class (Branch) | Board/University | Passing Year | College/School | % Marks |
|---------------------------|-------------------------|-------------------------|--|--------------------|
| Ph.D | SGGSWU | Pursuing | Coursework Completed | 82 |
| M.Tech(CE) | Punjabi University | 2013 | UCoE | 75.75 Complete |
| B.Tech(CSE) | PTU | 2011 | Baba Banda Singh Bahadur Engineering | 76.8 |

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|---------------------|------|------|---------------------------------------|------|
| | | | College, Fatehgarh Sahib | |
| Senior Secondary | CBSE | 2007 | Budha Dal Public School Patiala | 68.6 |
| Matriculation | CBSE | 2005 | Budha Dal Public School Patiala | 74.5 |

Employment Record

| Name and Address of the Institution | Period of Service | | Designation and Department | Nature of work and level of responsibility |
|---|-------------------|--------------|---|--|
| Sri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab), India | August, 2013 | Till Date | Assistant Professor, Department of CSE | Teaching and Research |

Research Papers: 26

Topic of M.Tech Dissertation: MRI BRAIN IMAGE SEGMENTATION USING
EDGE DETECTION AND MORPHOLOGICAL OPERATORS

Topic of research for Ph.D: RESOURCE MANAGEMENT TECHNIQUES FOR
CLOUD COMPUTING ENVIRONMENTS

Area of Interest: Cloud Computing

M.Tech Thesis Guided: 25

Citations: 21

Faculty Development Program Attended

- **One week Faculty Development Program on “CLOUD COMPUTING: APPLICATIONS & ISSUES”** held at Deptt. of CSE & IT, Baba Banda Singh Bahadur Engg. College (BBSBEC), Fatehgarh Sahib, Punjab and scheduled from **4th – 8th July, 2016.**

List of Publications

1. Navpreet Kaur, Harmandeep Singh, “MRI Brain Image Segmentation Using Edge Detection and Morphological Operators”, International Journal Of Advanced And Innovative Research (IJAIR), Vol. 2, No. 7, pp. 200-203, 2013.
2. Anjula Gupta, Navpreet Kaur Walia, “Cryptography Algorithms: A Review”, International Journal of Engineering Development and Research (IJEDR), Vol. 2, No. 2, pp. 1667-1672, 2014.
3. Anjula Gupta, Navpreet Kaur Walia, “A Survey on Data Hiding and Steganographic Techniques”, International Journal for Scientific Research & Development (IJSRD), Vol. 2, No. 2, pp. 583-588, 2014.
4. Anjula Gupta, Navpreet Kaur Walia, “Steganographic Techniques: A Survey”, Poster paper presented in Emerging Horizons in Science and Technology, 2014.
5. Satbir Kaur, Navpreet Kaur, “Basic Techniques of Image Enhancement”, International Journal for Scientific Research & Development (IJSRD), Vol. 2, No. 3, pp. 400-402, 2014.

6. Gurleen Aatly, Navpreet Kaur, “Data Mining Techniques: A Review”, International Journal for Scientific Research & Development (IJSRD), Vol. 2, No. 3, pp. 884-888, 2014.
7. Gurleen Aatly, Navpreet Kaur Walia, “Enhancing Visual Data Mining Techniques Using Artificial Intelligence”, International Journal of Computer Engineering and Applications, Vol. 8, No.1, pp. 35-45, 2014.
8. Manpreet Kaur, Navpreet Kaur, “Review on Text Clustering Algorithms”, International Journal for Scientific Research & Development (IJSRD), Vol. 2, No. 3, pp. 210-213, 2014.
9. Manpreet Kaur and Navpreet Kaur, “Text Clustering using PBO algorithm for Analysis and Optimization”, International Journal of Current Engineering and Technology, Vol.4, No.6, pp. 3876-3878, 2014.
10. Ramandeep Kaur Bhullar, Navpreet Kaur Walia, “A New Hybrid Technique for Detection of Liver Cancer on Ultrasound Images”, International Journal of Science and Research (IJSR), Vol. 3, No. 10, pp. 1647-1651, 2014.
11. Ninderpal Kaur, Navpreet Kaur, Navdeep Kaur, “Brief Review on Video Mining Applications”, IJSRD, Volume 2, No. 3, pp. 263-265, 2014.
12. Kamalpreet Kaur, Navpreet Kaur Walia, “Survey on Mobile Cloud Computing”, International Journal of Science and Research (IJSR), Vol. 3, No. 6, pp. 2536-2540, 2014.
13. Kamalpreet Kaur, Navpreet Kaur Walia, “Enhance the Mobile Cloud Server Security by Mac Address”, International Journal of Science and Research (IJSR), Vol. 3, No. 6, pp. 2505-2510, 2014.
14. Krishma, Navpreet Kaur Walia, “An Analytical Review of Image Registration”, International Journal of Latest Scientific Research and Technology (IJLSRT), Vol. 1, No. 1, pp. 43-46, 2014.

15. Krishma, Navpreet Kaur Walia, "Image Registration Using MAC RANSAC", International Journal of Science and Research (IJSR), Vol. 3, No. 11, pp. 1169-1172, 2014.
16. Harshwinder Singh, Navpreet Kaur Walia, "Improvement of Energy Efficiency in Wireless Sensor Network Using Intelligent Water Drop", International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol. 2, No. 10, pp. 6136-6143, 2014.
17. Amanpreet Kaur, Navpreet Kaur, "Improved Energy Efficiency and Throughput Using LEACH Protocol in Wireless Sensor Network: A Review", International Journal of Computer Trends and Technology (IJCTT) , Vol. 23, No. 2 , pp. 96-98, 2015.
18. Navpreet Kaur Walia and Navdeep Kaur, "Performance Analysis of Genetic Algorithm in Different Cloud Computing Environments", in the Proceedings of International Conference on Technology, Management and Social Sciences [ICTMS-2015], pp. 6-11, 2015.
19. Ravjot Singh Syal, Navpreet Kaur Walia, "Role Of Various Routing Protocols In Data Transmission", in the Proceedings of International Conference of Technology, Management and Social Sciences (ICTMS-15), pp. 12-14, 2015.
20. Navpreet Kaur Walia and Navdeep Kaur, "Resource Allocation Techniques in Cloud Computing: A Review", in the Proceedings of 4th International Conference on Advancements in Engineering & Technology [ICAET-2016], pp. 638-641, 2016.
21. Manpreet Kaur and Navpreet Kaur Walia, "VM Placement Algorithms in Cloud Computing", in the Proceedings of 4th International Conference on

Advancements in Engineering & Technology [ICAET-2016], pp. 651-654, 2016.

22. Manvir Kaur and Navpreet Kaur Walia, “A Review on Fault Tolerance Techniques in Cloud computing”, in the Proceedings of 4th International Conference on Advancements in Engineering & Technology [ICAET-2016], pp. 736-739, 2016.
23. Ravjot Singh Syal and Navpreet Kaur Walia, “Survey on EIGRP Protocol in Wireless Networks”, in the Proceedings of 4th International Conference on Advancements in Engineering & Technology [ICAET-2016], 2016.
24. Sukhpreet Kaur and Navpreet Kaur Walia, “A Review on Image Segmentation Techniques”, in the Proceedings of 4th International Conference on Advancements in Engineering & Technology [ICAET-2016], pp. 850-851, 2016.
25. Pirtpal Singh, Navpreet Kaur Walia, “A Review: Cloud Computing using Various Task Scheduling Algorithms”, International Journal of Computer Applications, Vol. 142, No.7, pp. 30-32, 2016.
26. Simranjit Kaur, Ms. Navpreet Kaur, “Content Based Image Retrieval Using Color Histogram and Wavelet Based Color Histogram (WBCH) Algorithms”, International Journal of Engineering Research and General Science, Vol. 4, No. 3, pp. 530-535, 2016.