



#2619, Phase-7, Mohali

Phone: 9814979333

Email:kamal.aalam@gmail.com, kamaljit\_cse@sggswu.org

## KAMALJIT KAUR

**CAREER OBJECTIVE:** To secure a challenging position where I will be able to make a positive contribution and build upon the knowledge and skills I have acquired through my education and work experience.

**ACADEMIC OBJECTIVE:** Research and Development leading to Ph.D.

### EXPERIENCE:

Date	Designation	Institute	Subject's Undertaken
11/08/2003 to 31/01/ 2005	LECTURER	SSCET, Badhani, Pathankot	<b>Undergraduate Level:</b> System Programming <b>Postgraduate Level :</b> Internet Programming and Java
1/02/2005 to 30/06/ 2005	LECTURER	IET, Bhaddal	System Programming
29/07/ 2005 to 15/06/ 2007	LECTURER	SUS, Tangori, Mohali	System Programming, Algorithm Analysis, System Analysis And Design
18/07/2007 to 14/07/ 2008	LECTURER	RIET, Railmajra, Ropar	<b>Undergraduate Level:</b> Parallel Architecture and Computing, System Analysis And Design Software Engineering, RDBMS <b>Postgraduate Level (M.Tech):</b> Object Oriented Analysis And Design Using UML
15/7/ 2008 to 1/8/2009	LECTURER	RBCEBTW, Sahauran, Kharar	FCPIT Computer Graphics using AUTOCAD
1/8/2009 to 26/7/2010	LECTURER (SENIOR SCALE)	RBCEBTW, Sahauran, Kharar	System Programming Object Oriented Programming using C++ Computer Graphics using AUTOCAD
27/7/2010 to 30/12/2011	ASSISTANT PROFESSOR	UIET, Sector 25, Punjab University, Chandigarh	Computer Architecture, Software Engineering, Database Management System, Microprocessors.

30/12/2011 to till date	ASSISTANT PROFESSOR	SGGSWU, Fatehgarh Sahib	<b>Postgraduate Level (M.Tech):</b> Advanced Computer Networks, Object Oriented Programming, Database Management System, Research Methodology, Information Retrieval
-------------------------	---------------------	-------------------------	--

## ACADEMIC PROFILE

Year	Qualification	University/Board	College/School	%age
	PhD (CSE) (Pursuing)	PTU, Jalandhar	PTU, Jalandhar	Course Work: 82%
June 2005	M.Tech(CSE)	PTU, Jalandhar	BBSBEC, Fatehgarh Sahib	73%
June 2003	B.Tech (CSE)	PTU, Jalandhar	LLRIET, Moga	78%
June 2000	3-year Diploma (CSE)	Punjab State Board Of Technical Education & Industrial Training	Thapar Polytechnic Patiala	72%
March 1997	Tenth	CBSE	St. Joseph's Convent School, Pathankot	76%

## ACADEMIC ACHIEVEMENTS

Achievements	
1	Received scholarships during Diploma for the academic performance
2	Completed Diploma With Honors and Distinction
3	Second Topper of 1997 Batch(Diploma, CSE) in Thapar Polytechnic Patiala
4	Completed B.Tech Degree with Honors and Distinction
5	Topper of 1999 Batch (B.Tech, CSE) in LLRIET, Moga

## PUBLICATIONS

1	Dr. Himanshu Aggarwal, Kamaljit Kaur, Kanwalvir Singh Dhindsa, Ghanaya Singh, <b>“Numeric to Numeric Encryption of Databases: Comparison of Standard Encryption and Proposed 3KDec Algorithm”</b> at International Journal of Computer and Network Security, IJCNS, Volume 2, No.1, January 31, 2010, pp.103-107.
2	Gurpreet Kaur, Kamaljit Kaur, <b>“Digital Watermarking and Other Data Hiding Techniques”</b> at International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume 2, Issue-5, April 2013.
3	Rajni Rani, Kamaljit Kaur, <b>“A Study of Image Indexing and its Features”</b> at International Journal of Computational Engineering Research (IJCER) ISSN: 2250-3005, Volume 3, Issue-3, April 2013.
4	Harpreet Kaur, Jaspreet Kaur, Kamaljit Kaur, <b>“ A Review of Non-Relational Databases, its types, advantages and disadvantages”</b> at International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181, Volume 2, Issue 2, February 2013.
5	Jaspreet Kaur, Harpreet Kaur, Kamaljit Kaur, <b>“ A Review of Document Oriented and Column Oriented Databases”</b> at International Journal of Computer Trends and Technology (IJCTT) ISSN: 2231-2803 Volume 4, Issue 3, 2013, pp.338-344
6	Dalvir Kaur, Kamaljit Kaur, <b>“ Analysis of Lossless Data Compression Techniques”</b> at International Journal of Computational Engineering Research (IJCER) ISSN: 2250-3005, Volume 3, Issue-4, April 2013, pp.123
7	Navneet Kaur, Kamaljit Kaur, <b>“ Review of Different Algorithms for Outlier Detection”</b> at World Academy of Informatics and Management Sciences (WAIMS) ISSN(online): 2278-1315, Volume 2, Issue-2, February-March 2013, pp.226-229
8	Harmanpreet Singh, Kamaljit Kaur, <b>“ Review of Existing Methods for finding Initial Clusters in K-means Algorithm</b> at International Journal of Computer Applications(IJCA), Published by Foundations of Computer Science, New York, USA Volume 68, Number 14, April 2013, pp. 24-28
9	Navmeet Kaur, Kamaljit Kaur, <b>Various Efficient Cluster Based Power Saving Scheme for Wireless Sensor Networks”</b> at International Journal of Advanced and Innovative Research (IJAIR) ISSN: 2278-7844 Volume 2, Issue 4, April 2013.
10	Deepinder Kaur, Kamaljit Kaur, <b>“Energy Efficient Clustering Scheme Analysis with Mobile Sinks in Wireless Sensor Networks”</b> at International Journal of Advanced and Innovative Research (IJAIR) ISSN: 2278-7844 Volume 2, Issue 4, April 2013.
11	Harpreet Kaur, Kamaljit Kaur, <b>“A Review: Study of Document oriented databases and their Security”</b> , International Journal of Advance Research in Computer Science, Vol-4, May 2013.
12	Rajni Rani, Kamaljit Kaur, <b>“Implementation for Gabor Filter Using on Satellite Images Enhance the Image Quality”</b> , International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X Volume 3, Issue 5, May 2013.
13	Kamaljit Kaur, Jaspreet Kaur, <b>“A Review: Vertical Partitioning Algorithms to Handle Data load on Distributed Databases”</b> , International Journal of Advanced Research in Computer Science, Vol.4, Issue-8, May-June 2013.

14	Kamaljit Kaur, Jaspreet Kaur, “ <b>Partitioning Schemes used for Context Storage using Non Relational Databases- a Review</b> ” International Journal of Computer Trends and Technology, Vol.4, Issue-6, June 2013.
15	Gurpreet Kaur, Kamaljit Kaur, “ <b>Image Watermarking Using LSB (Least Significant Bit)</b> ” International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 4.
16	Harmanpreet Singh, Kamaljit Kaur, “ <b>New Method for Finding Initial Cluster Centroids in K-means Algorithm</b> ” at International Journal of Computer Applications(IJCA) (0975–8887), Published by Foundations of Computer Science, New York, USA Volume 74–No.6, July 2013
17	Navmeet Kaur, Kamaljit Kaur , “ <b>Fault Tolerance Mechanism using Clustering for Power Saving in Wireless Sensor Networks</b> ” at International Journal of Engineering Trends and Technology (IJETT) ISSN: 2231-5381 Volume 4 Issue 8- August 2013 Page 3484- Page 3488
18	Deepinder Kaur, Kamaljit Kaur, “ <b>Reliable Energy Efficient Clustering Scheme Analysis Using Mobile Sink in Wireless Sensor Networks</b> ” at International Journal of Computer Trends and Technology (IJCTT) ISSN: 2231-2803– volume 4 Issue 8–August 2013 Page 2589- Page 2594

### CONFERENCES (NATIONAL AND INTERNATIONAL) PRESENTATIONS:

1.	Kamaljit Kaur, Ghanaya Singh, Deeksha Gupta, “ <b>Ad Ho Networks: A Survey on the Types of Architectures &amp; their relevant Applications</b> ” at International Conference on Wireless Networks & Embedded Systems (WECON-2008) on October 18-19 2008 at Chitkara Institute of Engineering & Technology, Rajpura
2.	Chetna , Kamaljit Kaur, Deeksha Gupta, “ <b>Lean Six Sigma in Healthcare Industries</b> ” in National Conference on Managing Technology for Organizational Excellence on 23 rd January 2009 at Swami Vivekanand Group Of Institutes, Banur.
3.	Kamaljit Kaur, KS Dhindsa and Ghanaya Singh, “ <b>Numeric to Numeric Encryption of Databases: Using 3Kdec Algorithm</b> ” in IEEE International Advance Computing Conference (IACC’09) on 6-7 March 2009 at Thapar University, Patiala. <b>Paper also got selected and is available on IEEE Xplore</b>
4.	Kamaljit Kaur, Ghanaya Singh, “ <b>Industry-Academia Convergence: What More Than Bridging The Skill Gap...</b> ” in International Conference on Training & Employment on 26 <sup>th</sup> August, 2009 at Indo Global Group of Institutes, Abhipur, Punjab.
5.	Kamaljit Kaur, Ghanaya Singh, Deeksha Gupta ,Chetna, “ <b>Routing Protocols In Vehicular Ad Hoc Networks: Challenges And Perspectives</b> ” in International Conference on Emerging Trends in Electronics & Communication on 11 <sup>th</sup> September 2010 at Indo Global Group of Institutes, Abhipur, Punjab.
6.	Kamaljit Kaur, Ghanaya Singh, Deeksha Gupta, Chetna, “ <b>Underwater Sensor Network: Survey on its Architectures and Applications</b> ” in International Conference on Emerging Trends in Electronics & Communication on 11 <sup>th</sup> September 2010 at Indo Global Group of Institutes, Abhipur, Punjab.
7.	Kamaljit Kaur, Ghanaya Singh, Deeksha Gupta, Chetna, “ <b>QoS in Ad hoc Networks</b> ” in International Conference on Emerging Trends in Electronics & Communication on 11 <sup>th</sup> September 2010 at Indo Global Group of Institutes, Abhipur, Punjab.
8.	Kamaljit Kaur, Ghanaya Singh, “ <b>Issues in Database Security using Encryption</b> ” in International Conference on Engineering Innovations: A Phillip to Economic Development on February 18-20, 2010 at Continental Group of Institutes Jalvehra Fatehgarh Sahib Punjab
9.	Kamaljit Kaur, Ghanaya Singh, “ <b>Usage Control: A Next Generation Access Control Enforcement</b> ” in National Conference on Challenges in Emerging Computer Technologies on April 8-9, 2010 at Rayat & Bahra Institute of Engineering & Biotechnology, Sahauran Kharar Punjab.
10.	Kamaljit Kaur, Deeksha Gupta, “ <b>Component-Based Software Engineering</b> ” in National Conference on Challenges in Emerging Computer Technologies on May 16-17,2012 at Rayat & Bahra Institute of Engineering & Biotechnology, Sahauran, Kharar Punjab.

11.	Kamaljit Kaur , Dalvinder Singh Dhaliwal, <b>“Overview of Benchmarks and Testing Tools in Hadoop Cluster”</b> in International Conference on Advances in Engineering and Technology (ICAET-2012) on 12-13 October 2012, at Bhai Gurdas Institute of Engineering & Technology, Sangrur, Punjab.
-----	--

### SHORT TERM PROGRAMS ATTENDED

Date	Conducted By	Program
14/03/ 2006 to 25 /03/ 2006	NITTTR	AICTE Sponsored Induction Program For Faculty Of Engineering Colleges
30 /06/ 2008 to 11/07/ 2008	Thapar University, Patiala with Infosys	Campus Connect Program under Faculty Enablement Program
12 /01/ 2009 to 23/01/ 2009	NITTTR	AICTE Sponsored Winter School in Advances in Image Processing.
19/7/2010 to 23/07/2010	PTU Sponsored Faculty Development Program at SSCET, Derabassi.	Soft Computing techniques using MAT LAB

### WORKSHOPS ATTENDED

<b>1</b>	Attended 5 <sup>th</sup> Chandigarh Science Congress, CHASCON 2011 Building gateways to sustainable Green Communities, organized by Punjab University, on 26-28 February 2011.
<b>2</b>	Attended Workshop on Cloud Computing organized by Chitkara institute of Engineering and Technology, Chitkara University, on July 20, 2011.
<b>3</b>	Participated in a Two-week ISTE Workshop on Database Management System conducted by Indian Institute Of Technology, Bombay from 21 <sup>st</sup> to 31 <sup>st</sup> May 2013 under National Mission on Education through ICT(MHRD)

### COMPUTING SKILLS

<b>Programming Languages</b>	C, C++, Visual Basic, Java
<b>Web Designing Languages</b>	HTML, Macromedia Flash
<b>Operating System</b>	Microsoft Windows variants
<b>Databases</b>	MS-Access, Oracle (SQL, PL-SQL)
<b>Assembly Language</b>	8085, 8086
<b>Engineering Drawing and Drafting Languages</b>	AUTOCAD

## **PERSONAL DETAILS**

<b>Name</b>	Kamaljit Kaur
<b>Date of Birth</b>	24 <sup>th</sup> September 1981
<b>Sex</b>	Female
<b>Martial Status</b>	Married
<b>Nationality</b>	Indian
<b>Languages</b>	Punjabi(R/W/S), Hindi(R/W/S), English (R/W/S),

**Kamaljit Kaur**