

### Bio-Data

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Designation : Lecturer (Sr. Scale)  
Department : Information Technology  
Qualification : B.Tech (CSE), M.Tech (I.T.), Ph.D. (Pursuing)

#### Experience

S.No.	From	Till	Name and Address of Organization	Designation
1.	Sept 2006	Till date	Malout Institute of Management & Information Technology, Malout	Assistant Professor
2.	Sept 2000	Sept 2006	Malout Institute of Management & Information Technology, Malout	Lecturer
3.	Sept 1999	Sept 2000	Zenith Computers Pvt. Ltd.	Customer Support Engineer

#### Papers Presented/Published

##### Publications in International Journals

Sr. No	Paper Title	Authors	Journal	Year of publication	ISSN No / Vol / Issue	Page No
1.	Extension of Delay Tolerant Network's Routing Protocols for Preventing Excessive Utilization of Resources.	Harminder Singh Bindra, AL Sangal	Wireless Personal Communications, Springer US	2013	0929-6212	535-553
2.	Performance	Harminder S.	International	April 2012,	ISSN:	314-

	Comparison of RAPID, Epidemic and Prophet Routing Protocols for Delay Tolerant Networks	Bindra, A L Sangal	Journal of Computer Theory and Engineering		1793-8201 Vol. 4, No. 2	317
3.	Need of Removing Delivered Message Replica from Delay Tolerant Network – A Problem Definition	Harminder S. Bindra, A L Sangal	International Journal of Computer Network and Information Security	2012	ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online) Vol. 4, No. 12	59-64
4.	Quantitative Measurement and Comparison of Effects of Various Search Engine Optimization Parameters on Alexa Traffic Rank	Arjun Thakur , A. L. Sangal, Harminder Bindra	IJCA Journal	2011	ISSN 0975-8887 Number 5 - Article 5	15-23
5.	Performance Analysis of DSR, AODV Routing Protocols based on Wormhole attack in Mobile Ad-hoc Network	Gunjesh Kant Singh, Harminder Singh Bindra, A. L. Sangal	IJCA Journal	2011	ISSN 0975-8887 Number 5 - Article 1	38-41

6.	Gray Zone Effect in MANETs on Proactive and Reactive Routing Protocols	Himansu Sekhar Pattanayak, H. S Bindra , A. L Sangal	<i>IJCSIT</i>	2011	ISSN 0975 – 9646  <b>VOLUME 2</b> <b>ISSUE 4</b>	1559 - 1563
7.	Performance Comparison of DTN Routing Protocols for Delay Tolerant Networks with Cluster Based Movement Model	Harminder Singh Bindra, Dr. A.L. Sangal	CiiT International Journal of Networking and Communication Engineering.	2011	Print: ISSN 0974 – 9756 & Online: ISSN 0974 – 9640 February 2011	154- 158
8.	Performance Evaluation of Two Reactive Routing Protocols of MANET using Group Mobility Mode	Harminder Singh Bindra, Sunil Kumar, Dr. A.L. Sangal	International Journal of Computer Science Issues	2010	Online 1694-0784 Print 1694- 0814 Volume 7, Issue 3	38- 43
9.	Consideration s and Open Issues in Delay Tolerant Network's (DTNs) Security	Harminder Singh Bindra, Dr. A. L. Sangal	Journal of Wireless Sensor Network	2010	ISSN Print: 1945- 3078 ISSN Online: 1945 -3086 Vol. 2 No. 8	645- 648

#### Publications in National Journals

Sr. No.	Name(s) of the Author(s)	Title of the Paper	Name of the Journal/Conference/Proceeding
1.	H. Singh, R. Mehra, P. Midha	Securing Networks With Encapsulating Security Payload (ESP)	ISTE journal
2.	H Bindra, R Mehra, A Pahwa	IPSec: Protocol for Internet Security	ISTE journal

<b>Papers accepted in International Conferences</b>				
<b>Sr. No.</b>	<b>Name(s) of the Author(s)</b>	<b>Title of the Paper</b>	<b>Name of the Journal /Conference /Proceedings</b>	<b>Year</b>
1.	Harminder Singh Bindra, A.L. Sangal	Investigating Performance of Extended Epidemic Routing Protocol of DTN under Routing Attack	ICWN 2014, Las Vegas USA	2014
2.	Sunil Maakar, Sangeeta Suri, Kanika Sharma and Harminder Bindra	Traffic Pattern Based Performance Comparison of AODV, DSDV & OLSR MANET Routing Protocols using Manhattan Grid Mobility Model	2011 3rd International Conference on Computer Research and Development (ICCRD 2011)- IEEE	2011
3.	Harminder Singh Bindra, A.L. Sangal	Performance Comparison of RAPID, Epidemic and Prophet Routing Protocols for Delay Tolerant Networks	International Conference on Information and Computer Applications (ICICA 2011)- IEEE	2011
4.	Harminder Singh Bindra, A.L. Sangal	“Impact of Message TTL on the Performance of Delay Tolerant Network’s Routing Protocols	ICIMT 2010: 2010 2nd International Conference on Information and Multimedia Technology- IEEE	2010
5.	Sunil Kumar, Harminder Singh Bindra, Dr. A.L. Sangal	Performance Analysis of MANET Routing Protocols using TCP traffic for Freeway Mobility Model	ICWN’10 – The 2010 International Conference on Wireless Networks, USA	2010
6.	G Kumar, H S Bindra, R Mehra	Information Security For WLANS using IEEE 802.11i	International Conference on Global Trends In IT (ICGTIT 2007) at Punjab College of Technical Education, Baddowal Ludhiana (Pb.)	2007

7.	S. Chawla, R.Mehra, H. Singh	E-Governance for the Citizens: General Considerations	International Conference on Systemics, Cybernetics and Informatics, Pentagonam Research Center Hyderabad, Feb 12–15, 2004.	2004
8.	H. Singh, A. Pahwa, R. Mehra	WFQ Queuing Techniques for Congestion Management.	Proceedings: International Conference Proceedings: International Conference on Emerging Technologies in IT Industry at PCET LDH. 27th November, 2004.	2004
9.	Ashwani Pahwa, Sonia Chawla, Kanwaljeet Singh, H.S. Bindra, Rohit Mehra	Data Mining in Insurance Industry	Proceedings: International Conference Proceedings: International Conference on Emerging Technologies in I.T. Industry at PCET LDH. 27th November, 2004.	2004

**Papers accepted in National Conference**

<b>Sr. No.</b>	<b>Name(s) of the Author(s)</b>	<b>Title of the Paper</b>	<b>Name of the Journal/Conference/Proceedings</b>	<b>Year</b>
1.	H. Singh, R. Mehra	Study of Routing Attacks and Secure Routing Protocol in Adhoc Networks.	Modern Management Practices and Information Technology Trends (MMPITT – 09)	2009
2.	H S Bindra	Detailed Study of NODE Architecture in NS2	Emerging Trends in Engineering and Information Technology (ETEIT '09)	2009

3.	H. Singh, R. Mehra	Securing Application using DPAIP from ASP.NET and Enterprise Services	Technology for Sustainable Development – Perspective and Strategies	2007
4.	G Kumar, R Mehra, H S Bindra	Approach to secure the network (WLANs)	National conference on Emerging Trends in Communication and Information Technology (Sponsored by ISTE) At Rayat Institute of Engg. And Information Tech Railmajra Dist NawanShahar (Pb)	2007
5.	H. Singh, R. Mehra, P. Midha	IP Encapsulating Security Payload (ESP) For Secure Networks	Proceedings, National Conference on Electronic Circuits and Communication Systems, ECCS- 2006, TIET, Patiala. February, 9- 10, 2006.	2006
6.	H.S. Bindra, R. Mehra, G. Ahuja	Microsoft . Net – Paradigm Shift To Distributed Computing Over The Internet	Proceedings: 1st Annual Symposium on Emerging Technologies (ASET-2006). Chitkara Institute of Engg. & Tech., Rajpura, July 28th , 2006.	2006
7.	H S Binda, R Mehra, G Kumar	Understanding Information Security Using OSI- Reference Model	National conference Latest Trends in TeleCommunication at Rayat Institute of Engg. And Information Tech, Railmajra Dist NawanShahar (Pb)	2006
8.	H S Binda, R Mehra, G Kumar	Microsoft .Net – Paradigm Shift To Distributed Computing Over Internet	1st ANNUAL SYMPOSIUM on Emerging Technologies in Computer Science & Engineering ASET –2006 at Chitkara Institute of Engg and Tech, Rajpura, Chandigarh	2006
9.	H. Singh, A Singla, R Mehra, A	Aspects of Network Security	Proceedings: National Conference on Research and Practices in Current Areas of I.T., SLIET	2004

	Pahwa		Longowal, 26th-27th March, 2004.	
10.	H. S. Bindra, R. Mehra, A. Pahwa	Fabric Zoning: Technique for Securing SAN	Proceedings: All India Seminar on E-Security, GTBKIET Chappianwali, May 25-26, 2004.	2004
11.	R. Mehra, P. Midha, H. S. Bindra	Power Sector Reforms and their Scope for Developing Countries	Proceedings: All India Seminar on Electrical Engineering, GTBKIET Chappianwali, May 28-29, 2004	2004
12.	P. Midha, R. Mehra, H. Singh, D. Singh	Addressing The Threats to Internet Security: IPSec,	Proceedings: ECCS 2004, TIET Patiala, Sep 3-4, 2004.	2004
13.	R. Mehra, H. Singh	Design Considerations for Enhancing and Participation in On – Line Courses	Proceedings: National Workshop on IT Services and Applications (WITSA2003), JMI N. Delhi, Feb 27-28, 2003.	2003

#### Seminars/Short Term Courses/Summer Schools/Winter Schools attended

Sr No.	From	To	Institute/Industry	Sponsored by	Name of the course
1.	16TH February, 2K4	20TH February, 2K4	BCET Gurdaspur	ISTE	“Optical Fiber Technology & Applications”
2.	17TH July, 2006	21ST July, 2006	NITTT & R Chandigarh	MHRD	“Entrepreneurship Development & Total Quality Management”
3.	10TH July, 2006	14TH July, 2006	NITTT & R Chandigarh	MHRD	“Photoshop & 3D Studio”
4.	19TH July, 2006	23RD July, 2006	SBSCET, Ferozpur	ISTE	“Inculcating & Developing Entrepreneurial

					Attitude (Need of 21ST Century)”
5.	17 Nov 2008	21 Nov 2008	NITTTR Chandigarh	MHRD	PHP
6.	2 March 2009	6 March 2009	NITTTR Chandigarh	MHRD	Network Security
7.	20 July 2009	1 <sup>st</sup> August, 2009	MIMIT Malout	AICTE	Library Automation, Networking and Digitization
8.	4 <sup>th</sup> July 2011	8 July 2011	DR B R Ambedkar NIT Jalandhar	AICTE/MHRD	Earthquake Resistant Design of Reinforced Concrete and Masonry Buildings
9.	18 July 2011	22 July 2011	MIMIT	PTU Jalandhar	Digital Image Processing
10.	11 March 2013	15 March 2013	DR B R Ambedkar NIT Jalandhar	TEQIP	Recent Trends in Advanced Materials and Computing Techniques
11.	15 April 2013	19 April 2013	NITTTR Chandigarh	MHRD	Research Methodology
12.	3 June 2013	7 June 2013	NITTTR Chandigarh	MHRD	Innovative Approach to Skill Development and Employment Generation in India
13.	10 June 2013	21 June 2013	Guru Nanak Dev Engineering College Ludhiana	TEQIP II MHRD	Recent Advancement in Engineering Technology.



14.	8 July 2013	12 July 2013	NITTTR Chandigarh	MHRD	ASP.NET
15.	2 December, 2013	13 December 2013	NITTTR Chandigarh	MHRD	Cyber Security and Forensic Tools
16.	21 April 2014	2 May 2014	NITTTR Chandigarh	MHRD	Network Security and Firewalls
17.	16 June 2014	20 June 2014	MIMIT	ISTE & PTU Sponsored	Introduction to LabVIEW and its Application in Digital Signal Processing

### **Reviewer - Journals**

<b>Sr. No.</b>	<b>Name of Journal</b>	<b>No of papers reviewed</b>	<b>Year (of reviewing)</b>
1.	International Journal of Computer Science Issues (IJCSI)	1	2010 on panel till date
2.	International Journal of Computer Applications (IJCA)	2	2010
3.	International Journal of Engineering and Computer Innovations (JECI)	1	2010
4.	International Journal of Science and Technology Education research (IJSTER)	1	2011
5.	Journal of Network and computer Application (JNCA) Elsevier	1	2011
6.	Journal of Geology and Mining Research (JGMR)	1	2011
7.	International Journal of Communication systems (IJCS)	1	2011
8.	International Journal of Computer Engineering Research (IJCER)	1	2011
9.	Journal of Internet and Information Systems (JIIS)	1	2011
10.	Mobile Networks and Applications	1	2012

	(MONE) Springer		
11.	Journal of Internet Technology	2	2013 2013
12.	British Journal of Mathematics & Computer Science	1	2013

### ***Reviewer – International Conferences***

<b>Sr. No.</b>	<b>Name of Conference</b>	<b>Sponsored by</b>	<b>Year (of reviewing)</b>
1.	2013 IEEE Symposium on Computers & Informatics	IEEE	2013
2.	2012 IEEE Symposium on Wireless Telecommunications Applications (ISWTA2012)	IEEE	2012
3.	2012 IEEE Symposium on Industrial Electronics and Applications	IEEE	2012
4.	First IEEE International Conference on Communications in China: Communications QoS and Reliability (CQR)	IEEE	2011
5.	2013 IEEE Symposium on Wireless Technology & Applications (ISWTA)	IEEE	2013
6.	2013 IEEE Symposium on Wireless Technology & Applications (ISWTA)	IEEE	2013
7.	2013 IEEE Symposium on Industrial Electronics and Application	IEEE	2013
8.	2013 IEEE Conference on Wireless Sensors	IEEE	2013

<b>Sponsored Projects Undertaken</b>				
<b>Sponsoring Agency</b>	<b>Title of the Project</b>	<b>Area</b>	<b>Period</b>	<b>Amount of grant</b>
AICTE, India	“Modernization of computer center to cope with the changing technological advancement”	Computer	2 year	10 lakh

