

CURRICULUM VITAE



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AMANDEEP KAUR VIRK

CAREER OBJECTIVE

I would like to utilize my lively and energetic attitude in teaching students with great enthusiasm. With my administrative and institutional abilities, I would also work to perform administrative tasks and responsibilities. I would also like to lead students and to participate in doing constructive programs.

ACADEMIC QUALIFICATIONS

Degree	Institution	University	Aggregate	Year
Ph.D (part-time) (pursuing)	Punjabi University, Patiala	Punjabi University, Patiala	8.625 (CGPA)	June 2013 and pursuing
UGC - NET				June 2012
M.Tech (Computer Science)	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar	8.75 (CGPA)	2011
GATE (Computer Science)			98.3 (percentile)	2009
B.Tech. (Computer Science)	Institute Of Engineering And Technology, Bhaddal	Punjab Technical University, Jalandhar	76.4%	2009
Class XII	G.G.M.S.S. School, Sector 18 ,	C.B.S.E.	76%	2005

	Chandigarh			
Class X	St. Joseph's Convent School, Jalandhar	I.C.S.E.	79.8%	2003

WORK EXPERIENCE:

<u>Date</u>	<u>Designation</u>	<u>Institute</u>
19/7/2012 to till date	Assistant professor	Sri Guru Granth Sahib World University Fatehgarh Sahib, Punjab
19/7/2011 to 8/7/2012	Assistant professor	Shaheed Udham Singh College of Engineering and Technology. Tangori, Mohali, Punjab

PROJECTS UNDERTAKEN :

1. Worked on “Analyzing Cognitive Radio physical layer on BER performance” for master’s thesis under the guidance of Dr. Ajay Sharma (Professor & Dean, Department of Computer Science, Dr. B.R. Ambedkar NIT, Jalandhar).
2. Prepared a web-based project titled “Online Leave Management System” using JAVA.

DISSERTATION SUPERVISED : Supervised 14 M.Tech Dissertations

PUBLICATIONS:

- Amandeep Kaur Virk and Ajay K Sharma, “BER Performance Analysis of Cognitive Radio Physical Layer over Rayleigh fading Channel”, *International Journal of Computer Applications* 25(11):25-29, July 2011. Published by Foundation of Computer Science.
- Amandeep Kaur Virk and Ajay K Sharma, “Analysing Cognitive Radio Physical Layer on BER Performance over Rician Fading Channel”, *International Journal of Computer Technology and Applications* Vol. 2 (5), 1697-1702, Sept – Oct 2011.
- Amandeep Kaur Virk and Ajay K Sharma, “Performance investigations of cognitive radio over AWGN channel using encoding techniques”, *International Journal of Engineering Computer Science and Technology*, Int. J. EnCoTe, v01012011, 18-2.
- Deepinderjeet Kaur Dhaliwal and Amandeep Kaur, ”Crossbreed Advanced Security against Phishing and Spoofing”, *International Journal of Application*

or Innovation in Engineering and Management, Vol2, Issue4, April2013, ISSN 2319 – 4847.

- Deepinderjeet Kaur Dhaliwal and Amandeep Kaur, "Detection of Spams using Extended ICA and Neural Networks", *International Journal of Computer Trends and Technology*, Vol4, Issue8, August 2013. ISSN: 2231-2803.
- Ramandeep Singh and Amandeep Kaur Virk, "Review of Key Management Schemes in WSNs", *International Journal of Science and Research (IJSR)*, Vol2, issue7, July2013 ISSN: 2319-7064.
- Gurpreet Singh and Amandeep Kaur, "Energy-Efficient Dynamic Routing Protocol for Wireless Sensor Networks", *International Journal of Computer Trends and Technology*, August2013.
- Gurpreet Singh and Amandeep Kaur, "Energy-Efficient Dynamic Clustering Schemes for Mobile Wireless Sensor Networks", *International Journal Of Advanced And Innovative Research*, 2013, ISSN: 2278-7844.
- Harjeet Kaur and Amandeep Kaur, "Energy Conservation in Multiwireless Network System Using Genetic Algorithm", *International Journal of Emerging Trends & Technology in Computer Science*, Volume 2, Issue 3, May – June 2013, ISSN 2278-6856.
- Sandeep Singh and Amandeep Kaur Virk, "An Existential Review of Wireless Sensor Networks", *International Journal of Science and Research*, Vol2, Issue4, April2013, ISSN: 2319-7064.
- Sandeep Singh and Amandeep Kaur Virk, "Node Placement for Efficient Coverage in Heterogeneous Wireless Sensor Networks", *International Journal of Advanced Research in Computer Science and Software Engineering*, Volume 3, Issue 7, July 2013, ISSN: 2277 128X.
- Sandeep Singh and Amandeep Kaur Virk, "Node Placement for Efficient Coverage in Heterogeneous Wireless Sensor Networks", *International Journal of Engineering Trends and Technology*, Vol4, Issue7, July2013, ISSN:2231-5381.
- Gagandeep Singh and Amandeep Kaur Virk, "Review Article on Various Sensor Networks with inter-node Connectivity Failure Issue", *International Journal of Advanced and Innovative Research*, Vol2, Issue6, June2013, ISSN: 2278-7844.
- Amritpal Singh and Amandeep Kaur Virk, "Review :Manet networks with various Routing protocols along with node Failure Issue", *International Journal of Advanced and Innovative Research*, Vol2, Issue6, June2013, ISSN: 2278-7844.
- Gagandeep Singh and Amandeep Kaur Virk, "Evaluating Wireless Sensor Network on Quality of Services Using Mobile Sink Nodes", *International Journal of Advanced Research in Computer Science and Software Engineering*, Vol3, Issue 7, July 2013, ISSN: 2277 128X.

- Amritpal Singh and Amandeep Kaur Virk ,”Enhancing Quality of Service for Adhoc on Demand Distance Vector Protocol based on time for Mobile Ad-hoc Networks, *International Journal of Advanced Research in Computer Science and Software Engineering*, Vol3, Issue 7, July 2013, ISSN: 2277 128X.
- Baljinder Kaur and Amandeep Kaur ,”Review on Technology to Measure Speed of Cricket Ball and Bat”, *International Journal Of Engineering And Computer Science* , Volume 2 Issue 5 May, 2013,ISSN:2319-7242.
- Baljinder Kaur and Amandeep Kaur ,” A Survey of Time Synchronization Protocols for Wireless Sensor Networks, *International Journal of Computer Science and Mobile Computing*, Vol2, Issue 9,September 2013, ISSN 2320–088X.

ACHIEVEMENTS :

1. Won scholarship in an aptitude test held by NIIT, MOHALI.
2. Won MISS FRESHER’S TITLE in 2005.
3. Qualified GATE 2009 with 93.4 percentile.
4. Teaching Assistantship during M.Tech.
5. Won MISS FAREWELL TITLE in 2011.
6. Faculty Convener of MEDIA CLUB in SGGSWU, Fatehgarh sahib.

CO-CURRICULAR ACTIVITIES :

1. Participated in ‘Riyaz – 2006’ Tech Fest of the college.
2. Participated in ‘Minerva – 2007’ Tech Fest of Rayat College Of Engineering and Technology.
3. Active member in organising college functions.

STRENGTHS :

1. A self driven and confident person.
2. Highly sociable person with inquisitiveness to learn.
3. Communicate effectively with good problem solving attitude.
4. Creative and flexible.
5. Believe in team work and interaction with people of different prospects.

PERSONAL PROFILE:

Father's Name : S. Daljit Singh Virk
 Date of Birth : 10 – 02 - 1987
 Gender : Female
 Marital Status : Married
 Languages Known : English, Hindi, Punjabi