**CURRICULUM VITAE**

## NAVNEET KAUR

## House No. 1086, Phase-10, Mohali

## Chandigarh.

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**Career Objectives:**

To find a challenging position to meet my competencies, capabilities, skills, education and experience.

**Educational Profile:**

* M.E. in Computer Science from Panjab University, Chandigarh with **80% aggregate with distinction.**
* B.Tech. in Computer Science and Engineering from Punjab Technical University, Jalandhar with **74.6 % aggregate marks**.
* Passed 10+2 from C.B.S.E. secured **78.4% marks**.
* Passed 10th from C.B.S.E. secured **86.4% marks.**

**Experience:**

* + Working as Assistant Professor in Computer Science & Engg. Department in BBSBEC, Fatehgarh Sahib from August 2010 to till date.
  + Worked as Assistant Professor & Head in Computer Science & Engg/Information Technology Department, at Rayat & Bahra College of Engg. & Bio-Tech. for Women, Kharar, Mohali from June-2008 to August 2010.
  + Worked as Assistant Professor & Head in Information Technology Department, at Institute of Engineering & Technology-Bhaddal, Ropar, India from Jan-2008 to June 2008.
  + Worked as a Senior Lecturer in Computer Science & Engineering Department at Institute of Engineering & Technology-Bhaddal, Ropar, India (Punjab) from Aug 2007 to Jan 2008.
  + Worked as a Lecturer in Computer Science & Engineering Department at Institute of Engineering & Technology-Bhaddal, Ropar (Punjab), India from Aug-2001 to Dec 2007.
  + Worked as a Lecturer with MMEC, Mullana, India - From Nov 2000 to July 2001.
  + Worked as a Software Engineer with VBIT, Mohali, India- From July 2000 to Nov 2000.

**Computer Proficiency:**

**Language:** Visual Basic 6.0, C++, HTML, VB Script, Visual Basic .NET, Front Page

**Operating System**: DOS, Windows, Linux

**Package:** MS-Office

**DBMS/RDBMS:** SQL Server 7.0, Oracle 7.0 & Developer 2000, MS Access 97

**Assembly**: 8085

**Projects Undertaken after Study:**

**1. Project**

**Title - Domain Name Hosting and Registration**

**Role -** An automation tool which registers and hosts the domain names of the customers and generates billing.

**Client** - Pugmarks, Sector-35, Chandigarh

**Projects Undertaken During Study:**

**M.Tech. - Thesis:**

**Title –** Performance Evaluation of S-MAC Protocol in Wireless Sensor Networks

**B.Tech. - Minor Project:**

**Title** – Inventory Control System

**Role** – Complete design and development

**Organization–** Milkplant Gurdaspur

**Platform** – Windows NT

**DBMS** – Oracle 7 & Developer 2000

**B.Tech. - Major Project:**

**Title** – Software Development Database Management System

**Role** – Complete design, development and testing of an office management system which provides various record management facilities and automates the information storage and retrieval process as per the user requirements.

**Organization–** Fujitsu India Telecom Ltd., Mohali

**Platform** – Windows NT

**Tools**– VB 6.0 (Front-end) and MS Access (Backend)

**B.Tech. - Project:**

**Title** – Questionnaire on Windows NT

**Role** – Complete design and development of automation of examination system, which evaluates the answers to the questions asked at run time.

**Organization–** B.C.E.T. Gurdaspur as a part of artificial intelligence project for B.Tech.

**Platform** – Windows NT

**Tools**– VB 6.0

**B.Tech. - Project:**

**Title** – Trainee Information System

**Role** – Complete design and development

**Organization –** ESPL, Mohali

**Platform** – Windows 98

**Tools** – Foxpro 2.6 for Windows

**Area of Specialization:**

* Computer Networks
* Data Communications
* RDBMS
* Software Engineering
* Computer Architecture

**Publications:**

1. Navneet Kaur, Sukhwinder Singh, “Optimized cost effective and energy efficient routing protocol for wireless body area networks”, Ad Hoc Networks, Elsevier, 61 (2017) 65-84. doi:10.1016/j.adhoc.2017.03.008, Impact Factor: 1.667
2. Tamanna Puri, Rama Krishna Challa, and Navneet Kaur Sehgal, “Energy Efficient QoS Aware MAC Layer Time Slot Allocation Scheme for WBASN,” 11th August, 2015, Fourth International Conference on Advances in Computing, Communications & Informatics (ICACCI) Special Session on Energy Efficient Wireless Communications and Networking, Kochi, India, vol. 4, pp. 966-972, ISBN: 978-1-4799-8791-7, doi: 10.1109/ICACCI.2015.7275736
3. Navneet Kaur and Sukhwinder Singh, “Thermal Aware Routing protocols in WBAN: A Survey” , February 23-24, 2013, International Conference on Soft Computing, Artificial Intelligence, Pattern Recognition, Biomedical Engineering and Associated Technologies (SAP-BEATS 2013), J.N.V. University, Jodhpur.
4. Navneet Kaur and Sukhwinder Singh, “A review of Wireless Body Area Networks for Medical Applications”, February 26-28, 2012, CHASCON 2012, Panjab University, Chandigarh
5. Navneet Kaur, Kalpna Verma, “***WSAN: An Innovative approach to Wireless Technology”***, 18-20th February 2010, TheInternational conference on ‘Engineering Innovations: A Philip to Economic Development’, Continental Institute of International Studies, Fatehgarh Sahib.
6. **Navneet Kaur** “Traffic Analysis Tools-Introduction, Challenges and Limitations “, 1st All India National Conference on Challenges in Emerging Computing Technologies (CECT’10) at RBIEBT, Mohali on 08-09 April 2010.
7. Navneet Kaur, Kalpna Verma, “***Evolution of 4G Technology in Mobile Computing: Vision, Perspective & Comparison with earlier generations”***, 18-20th February 2010, TheInternational conference on ‘Engineering Innovations: A Philip to Economic Development’ , Continental Institute of International Studies, Fatehgarh Sahib.
8. **Kalpna Verma** , **Navneet Kaur** “ Wireless Access Technologies in 2G and 3G standard “, 1st All India National Conference on Challenges in Emerging Computing Technologies (CECT’10) at RBIEBT, Mohali on 08-09 April 2010.
9. Navneet Kaur, C. Ramakrishna, ***Performance Evaluation of S-Mac protocol***, 18-19th October 2008, TheInternational conference on ‘Wireless network and Embedded System ‘WECON-2008’, Chitkara Institute of Engineering & Technology, Rajpura.
10. Navneet Kaur, C. Ramakrishna, ***S-MAC – an Overview****,* 26th May 2007, The International Conference on IT Cognizance-2007, Canadian Institute for International Studies, Fatehgarh Sahib, Punjab.
11. Navneet Kaur, C. Ramakrishna, ***Overview of Wireless Sensor Networks,*** 11-12th January 2007, National conference on Emerging Trends in wireless communication and E-Security WCES-2007, UIET, Punjab University, Chandigarh.
12. Navneet Kaur, C. Ramakrishna, **Overview of Mobile IP,** National Conference on computer Science & Information Technology NCCSIT, 18th-19th March 2006, BBSBEC Fatehgarh Sahib, Punjab.
13. Navneet Kaur, C. Ramakrishna, **Mobile IP,** National Conference on Information and Emerging Technologies, 18th-19th February 2006, IET Bhaddal, Punjab.
14. Navneet Kaur, S.S.Sehgal, ***Robotics in Practice- Technology and Applications***, National Seminar & Academia – Industry Interface, 14th-16th March 2003, MMEC Mullana (Ambala), Haryana

## B.Tech./M.Tech Thesis Guidance:

* + B.Tech. projects: 105
  + M.Tech Thesis: 03

## Short Term Courses:

* Attended a one day workshop on “**Sensors in Everyday Life**” on 5th October 2016 at Institute of Engineers, Punjab & Chandigarh State Centre, Chandigarh.
* Attended a one week Faculty Development Program on “**Cloud Computing: Applications & Issues**” from 4th-8th July 2016 at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib.
* Attended a two days SERB(DST) sponsored workshop on “**Research Methodology**” at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib from 14th – 18th December 2015.
* Attended a one week workshop two days TEQIP-II sponsored workshop entitled “**Producing Elegant Technical Research Reports Efficiently**” at Guru Nanak Dev Engineering College, Ludhiana from 19th – 20th January 2016.
* Attended a training program for Lucideus Certified Cyber Security Expert, Grade 1 workshop at BBSBEC, Fatehgarh Sahib on 11th September 2015
* Attended a two day workshop on “**Protocol development in QualNet Network Simulator**” from 15th-16th March 2013 at Eigen Technologies, New Delhi.
* Attended a one week workshop on “**Advanced Engineering Optimization Techniques and Their Applications in Research**” from 21st-25th January 2013 at University Institute of Engineering and Technology, Chandigarh.
* Attended a one week Faculty Development Program on “**Teaching and Soft Skills**” from 26th-29th December 2012 at University Institute of Engineering and Technology, Chandigarh.
* Attended a one week IUCEE sponsored workshop on “**Wireless Sensor Networks**” from 5th-9th July 2011 at Jaypee University of Information Technology, Waknaghat, Solan.
* Attended a two days MHRD sponsored Dissemation Workshop on “**Research and Development Projects**” from 16th -17thth April’2010 at IIT, Roorkee.
* Attended a one week Short Term Course on “**Open Source Technologies**” from 1st -5th March’2010 at NITTTR, Chandigarh.
* Attended AICTE sponsored 2-week winter school on ‘**Advances in Image Processing**’, at RBCEBTW, Kharar in collaboration with NITTTR, Chandigarh from 12th Jan – 21st Jan 2009.
* Attended a one week Short Term Course on “**Network Security**” from 7th-11th Aug’2006 at NITTTR, Chandigarh.
* Attended Short Term Course on “**Wireless Communications**” at NITTTR, Chandigarh.
* Attended a workshop on “**Big Challenges Easy Solutions-Linux**” at IET Bhaddal on 10th-11th Dec 2004.
* Attended Short Term Course on “**Linux”** at NITTTR, Chandigarh.
* Participated in Institute-Industry Interaction on “**Emerging Technologies”** at IET Bhaddal from 6th-10th Jan’2003 under the aegis of Wayne State University, Detroit, MI (USA)
* Attended ISTE-STTP workshop on “**Human Values in Technical Education**”, 22nd-26th March 2002 at I.E.T.Bhaddal.

## Achievements:

* Expert Lectures delivered on “**Mobile IP**” in various short term courses organized by the Computer Science and Engineering Department from time to time since 2007 at NITTTR, Chandigarh.
* **Silver Medalist** in M.E. degree in the year 2007 from Punjab University, Chandigarh
* Received certificate of excellent performance in Coordination of **IIM CAT 2009** Examination held from Nov 28th – Dec 7th.
* **Best Technical paper award** at an International Conference ‘WEBCOM-08’ from 18-19th October 2008 at CIET, Rajpura.

## Other Achievements:

* Co-convener for two day All India Seminar on Recent Innovations in Wireless Communication and Networking from 23rd -25th Feb 2017 at BBSBEC
* Organized FDP on Cloud Computing-Applications and Issues from 4th -8th July 2016 at BBSBEC
* **Head of Department** CSE from Jan’ 2008 till Aug 2010 at RBCEBTW.
* **Head Examinations** at RBCEBTW since Aug’2009.
* Member of I.S.T.E., IIT Campus Delhi.
* **Coordinator of Admission cell** of RBCEBTW in 2009.
* Coordinator IIHT Incubation Training Programme at RBCEBTW.
* Member of College Website Committee.
* Member of Networking Committee.
* Coordinator of Organizing Committee of various functions held in college.
* Officer Incharge of Women Grievances Cell.
* Coordinator of Major Projects in CSE Department.

**References**

1. **Dr. C. Ramakrishna**

Assistant Professor, Department of Computer Science and Engineering

NITTTR, Chandigarh

1. **Dr. H.S Shan**

Former- Professor & Head, Mechanical & Industrial Engg.

Indian Institute of Technology-Roorkee

Presently- Director- IEET, Baddi

1. **Dr. V.K. Diwan**

Director- Centre for Management and Training Research, Kharar.

**Personal Profile:**

Father's Name: S. Gurbax Singh

Husband’s Name: S. Satbir Singh Sehgal

Date of Birth: February 5, 1978

Marital Status: Married

Language Proficiency: English, Hindi & Punjabi.

**(NAVNEET KAUR)**