

CURRICULUM VITAE

Dr. MONIKA GUPTA

Personal

HNo.7200/1, Bawa Colony,
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Husband's name : Mr.Vivek Gupta
Date of Birth : 01.10.71
Marital Status : Married

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Objective

I firmly believe in three P's: Progress of the Self, Progress of the Institution and Progress of the Nation. Being endowed with the traits of strong willpower and patience I want to achieve a sustained platform in the field of Information Technology by developing myself as a person of multidisciplinary approach.

Professional Qualifications

- **Ph.D (Computer Science and Engineering)** from CT University, Ludhiana.
- **M.Tech (Computer Science and Engineering)** with First Division, 7.94 OCPA (out of 10) June 2000 – July 2002 from Punjab Agricultural University), Ludhiana (Punjab).
- **B.E (Electronics and Communication)** with First division, 64.3% Marks from Mysore/Kuvempu University, Mysore.

Fellowships/Scholarships

- **Lifetime Membership (ISTE)**
- **Scholarship (M.Tech)**

Teaching Experience

- Working as an Associate Professor and Head of the Department in Khalsa Institute of Management and Technology, Ludhiana since July 2012.
- Worked as an Associate Professor (Computer Science & Engineering Department) and Head of the Department in Ludhiana College of Engineering and Technology, Katani Kalan, Ludhiana from August 2003 to July 2012.

- Worked as a Lecturer in GNE (Guru Nanak Dev Engineering College), Gill Road, Ludhiana (March 2000-May 2000).
- Worked as a Faculty in “Tulec Computer Centre”, Ludhiana (April 99- March 2000).
- Worked as a Faculty in “Jetking Computer Centre” and “Catalog Computer Centre”, Jammu (Nov’95-Feb’96).

Role & Responsibilities

1. Working as a Head of Department in Computer Application to provide strong Academic Leadership and to manage, develop department to ensure that it achieves highest possible standard of excellence in all its activities.
2. To develop and sustain appropriate structures for Management, Director, decision making and communication with Staff and Students.
3. To be responsible and accountable for setting and advancing the academic strategy of the Department in line with Faculty and University strategic plans and direction.
4. Worked as Chairman representative in Board Of Studies (BOS), Dr. J.S.Sohal , Computer Science and Engineering Department in his tenure of 6 years.

Personal Skills

- Excellent verbal and written communication skills
- Willingness to learn
- Team facilitator, hard -worker, sincere with positive attitude in life
- Enthusiast in taking up new challenges
- Sound educational knowledge

Short Term Courses Attended and Coordinated

1. Attended 5 days Faculty Development Program- Student Induction on UHV conducted online during 3-7 May, 2020 on Universal Human Values on the theme “Inculcating Universal Human Values in Technical Education” during 3rd to 7th May, 2020 organized by All India Council for Technical Education (AICTE).
2. Attended Faculty Development program for Student Induction (FDP-S1) conducted by AICTE during 3rd to 5th July, 2018 at IK Gujral Punjab Technical University, Kapurthala.
3. Attended one day Awareness workshop on Accreditation (NBA/NAAC) organized by IK Gujral Punjab Technical University (IKGPTU), Kapurthala at Ludhiana College of Engineering and Technology (LCET), Katani Kalan, Ludhiana on 19/02/2018.
4. Attended & **Coordinated** workshop on Free/open source software & Linux from 21st June, 2010 to 25th June, 2010 at Ludhiana College of Engineering and Technology (LCET), Katani Kalan, Ludhiana.
5. Attended a short term programme on “Advanced Computational Tools for Engineers” from 25/06/2007 to 01/07/2007 at GNDEC, Ludhiana.
6. Attended a short term programme on “Artificial Neural Networks and Fuzzy

- Control: Concept & Applications “from 19/07/2006 to 25/07/2006 at GNDEC, Ludhiana.
7. Attended a short term programme on “E-Commerce” conducted by the CSE Dept from 27/06/2005 to 01/07/2005 at NITTTR, Chandigarh.
 8. Participated in National Level Technical Paper Presentation Competition at SVICS, Kadi during 8-9 Jan, 2005.

Publications

Research Papers

1. Published paper “A Hybrid Approach to Enhancing Heart Disease Prediction Using Machine Learning Techniques” in 1st International conference on Smart Computing and Communication for Sustainable Convergence (ISCCSC 2024) (**Scopus**).
2. Presented and Published paper “Adapting to the Adversaries: A thorough Examination of Machine Learning Methods in the Persistent Fight against Spam” in 1st International conference on Smart Computing and Communication for Sustainable Convergence (ISCCSC 2024) (**Scopus**).
3. Sharma A., Gupta M., Kaur R., Chopra N. and Kaur P. (2024), “Predictive Analytics and Validation for Technology intervention Recommendation System for Autism: A Machine Learning Framework “International Journal of Intelligent Systems and Applications in Engineering, Pp 1023-1029 (**Scopus**).
4. Singla S., Kaur P. and Gupta M(2024), “Emotion Detection using AI “ Journal of Technology, Pp376-382, Vol.12 Issue 5.ISSN : 10123407(**Scopus**).
5. G Monika., S Harsh., S Sandeep., “Analysis of Cardiovascular Disease Detection Techniques” Vidyabharati International Interdisciplinary Research journal Pp 869-878 ISSN: 2319-4979.
6. G Monika., S Harsh., S Sandeep, “Hybrid Classification method for Cardiovascular Disease prediction” Vidyabharati International Interdisciplinary Research journal Pp2584-2595 ISSN: 2319-4979.
7. Published Paper entitled “Open Shortest Path First Simulator by using java RMI “in International Journal of Engineering Science and Technology on 30 June, 2010.
8. Published Paper entitled “ Low Power Multichannel Data Acquisition system” in International Journal of Electronics Engineering on June 2010.

Review Papers

1. Published paper “Analysis of various Cardiovascular Disease Prediction Models” in 2nd International Conference in (IMARC 2023) on March 10, 2023 held at CT University.
2. Published paper “Dissimilar Technologies for the Prognosis of Cardiovascular Diseases: A Review” in the 2021 International Conference on Computing, Networks and Renewable Energy (CNRE-2021) held at I. K. Gujral Punjab Technical University, Kapurthala during August 5-7, 2021.
3. Published Paper entitled “Cyber Crime and Cyber Security” in International Conference on “Wireless Networks and Embedded System “on Oct 2008.
4. Published Paper entitled “Wearable devices and its Applications” in International Conference on “Wireless Networks and Embedded System “on Oct 2008.

- 5 Published Paper entitled “Design and Development of Expert System for prediction of diseases of small pets” in International Conference on wireless Networks and Embedded Systems on 18-19 Oct, 2008.
- 6 Published Paper entitled “Simulation of Fuzzy Logic Controlled DC Drive” in National Conference on Advances in Power Systems & Energy Management on 1-2 march, 2008.
- 7 Published Paper entitled “Evolution towards 4G Wireless Networking” in National Conference on “Trends in Computing NCTC-2007” on May 2007.
- 8 Published Paper entitled “Neural Networks and its Applications” in National Conference on “Trends in Computing NCTC-2007” on May 2007.
- 9 Published Paper entitled “Liquid fuel Metering system using Microcontroller” in National Conference on “Trends in Computing NCTC-2007” on May 2007.
- 10 Published Paper entitled “Wireless and Mobile Communication” in National Conference on “ETCIT-07” on Feb 2007.
- 11 Published Paper entitled “Growth and Innovation in Embedded System” in National Conference on “ETCIT-07” on Feb 2007.
- 12 Published Paper entitled “Machine Translation in Natural Language Processing” in National Conference on “ETCIT-07” on Feb 2007.
- 13 Published Paper entitled “Arm Processors” in International Conference on “Advances in Electronics & Communication Technology, ICAECT-06” on December 2006.
- 14 Published Paper entitled “Decision Support System for University Management” in National Conference on “Emerging Principles & Practices of Computer Science & Information Technology” on 18-19 August, 2006.

I believe that I am best at applying creative thought to whatever I do. I like to think beyond the obvious and find innovative ways to accomplish the jobs assigned to me. I believe so because I have more than once achieved things which others think unlikely if not impossible. I have done so on the basis of my superior problem solving abilities. By constantly finding new and better ways to accomplish jobs, I enhance the efficiency not only for myself but also for those working around me. I have an incomparable fighting spirit.

Hard work, inter-personal skills and self-motivation are my fortes that have helped me taste success in all my endeavors. My team spirit and unwavering enthusiasm has always given new dimensions and higher heights to my projects.

I hereby confirm that all the above information is correct to the best of my knowledge.

Date:

(Dr. Monika Gupta)