

Dr. Priti (Gupta) Singla

Professor, Computer Science

Objective

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As a teacher I feel enormous responsibility towards my students, institute and the society, because the teacher plays a crucial role in shaping the future of the students. I see my success in inculcating a feeling of curiosity, creating interest and learning environment among my students.

Strength

God has gifted me an inherent quality of higher education and a sharp mind for analysis and reasoning.

Areas of Interest

- Discrete Mathematics, Fuzzy Set Theory
- Applied Mathematical Modeling, Numerical Techniques
- Quantitative Techniques
- Operations Research, Advanced Statistical Inference
- Graph Theory, Human Computer Interaction & Usability
- MatLab, Fuzzy Tech, TORA, SPSS, Lindo, Harvard Graphics etc.

Doctoral Research

Topic Soft Computing Approach for Agrometeorological Weather Forecasting System
Supervisor Prof. H.M. Rai (Ex-Professor, NIT, Kurukshetra)
Co-Supervisor Prof. Dharminder Kumar, Chairman, Dept. of Computer Science & Engg., GJUS&T, Hisar
University Suresh Gyan Vihar University, Jaipur, Rajasthan
Session 2009–2012
Status Degree Awarded

Educational Qualifications

Degree	Session	Institute/University	Marks (%)	Remarks
Ph.D. (CSE)	2009–12	Suresh Gyan Vihar University, Jaipur	—	Degree Awarded
M.Tech. (CSE)	2004–06	J.R.N. Rajasthan Vidyapeeth University, Rajasthan	74.5	—
M.Sc. (Applied Mathematics)	1997–99	Guru Jambheshwar Univ. of Science & Tech., Hisar	77.3	Gold Medal, 1st Rank in University

Honours & Awards:

- Gold Medal by Akhil Bhartiya Vidya Parishad for 1st Class 1st Position in Science Stream (XII)
- 'Late Smt. Parkash Rani Athawale' Scholarship (1996–97)

- Gold Medal (M.Sc. Applied Mathematics) presented by Ex-Vice President of India, Late Sh. Krishan Kant Sharma

Experience

- Chandigarh University, Gharuan, Punjab – Professor (June 2024 – Till Date) – B.Tech Classes
- GGS College of Modern Technology, Kharar, Mohali – Professor (Mar 2024 – Jun 2024)
- Baba Masth Nath University, Rohtak – Professor (Dec 2021 – Feb 2024) – B.Tech, M.Tech, Ph.D
- GGS College of Modern Technology, Mohali – Professor (Jun 2017 – Nov 2021)
- IET Technical Campus, Bhaddal, Ropar – Professor (Dec 2012 – Mar 2017) – Data Structures, Operations Research, AI, TOC, Discrete Maths
- Om Institute of Mgmt. & Tech., Hisar – Associate Professor (Jun 2010 – Dec 2012)
- Continental Inst. of Engg. & Tech., Fatehgarh Sahib – Associate Professor (Aug 2009 – May 2010)
- SDITM, N.C. College, Israna – Assistant Professor (Aug 2008 – Jul 2009)
- Jaipur National University, Jaipur – Sr. Lecturer (Mar 2008 – Aug 2008)
- PIET, Panipat – Lecturer (Oct 2007 – Mar 2008)
- Dept. of Agro-Meteorology, CCS HAU Hisar – JRF (Jul 2006 – Nov 2006)
- Dept. of Computer Science, GJUS&T, Hisar – Lecturer (Jan 2001 – Jun 2005)

Publications

Refereed Journal Publications

1. Effective Diabetes Prediction using IoT based Integrated Ensemble ML Framework, ETASR, 2025 (Scopus)
2. Translation of Indian Sign Language to Text – A Comprehensive Review, IJISAE, 2024 (Scopus)
3. Alphabet-Level Indian Sign Language Translation Using Hybrid-AO CNN, IASC, 2023 (Scopus)
4. Optimised Machine Learning-based Translation of Indian Sign Language to Text, IJIES, 2023 (Scopus)
5. A Hybrid PSO Approach to Automate Test Data Generation, IJAST, 2011 (Scopus)
6. Economy Education in College by the use of Cloud Computing, NJNH, 2014
7. Automatic Test Data Generation Using GA & PSO, IJEE, 2011
8. Comparison of ANFIS and Curve Fitting Model, IJCIS, 2011
9. Local Monsoonal Precipitation Forecasting using ANFIS, IJRRCS, 2011
10. Soft Computing Approach in Delivery of Products, IJEIT, 2010
11. Agro Meteorological Weather Forecasting using Soft Computing, IJARCS, 2010
12. Study on Media Preference in Rural Markets of Haryana, IJAMH, 2015
13. Satellite Relay Communication Using Longest Common Subsequence, IJSECT, 2012
14. Automatic Test Data Generation for Data Flow Coverage, IJRRCS, 2011

15. GA & PSO for Automatic Test Data Generation, IJARCS, 2011

Conference Proceedings

1. Streamlining Talent Acquisition via ML Resume Screening, ICACCTech, 2024
2. Advancements in NLP: BERT and Transformers, ICACCTech, 2024
3. Machine Learning-Based Classification of ASD, ICACCTech, 2024
4. Fuzzy Based Priority Handoff in Mobile Communication, NSEdit, 2002
5. Analysis of Pre-Emptive Soft Handoff, BHU, 2003
6. Soft Computing in Agrometeorological Weather Forecasting, ICET, 2010
7. Weather Forecasting System via Soft Computing, ICMSCAE, 2010
8. Technologies for Mobile TV Broadcast, ICISCM, 2012
9. Automatic Test Data Generation for Software Testing, KDNS, 2011
10. Soft Computing Approach for Software Testing, ICEI, 2010
11. Strategies on Software Reusability, NTTE, 2008
12. Network-Aided Concurrency Control, FTET, 2008

Training and Workshops

- ISTE PTU FDP on Digital Image Processing using MATLAB, 2014
- Punjab State Council Workshop on Patent Awareness, 2014
- NITTTR Chandigarh Induction Training Program, 2013
- Workshop on Robotics, OITM Hisar, 2012
- FDP on Research Paradigm for Professional Teachers, 2013
- Robotics and CAD Technologies, CADD Primer, 2013
- FDP on Effective Teaching & Active Learning, 2012
- Workshop on Recent Trends in Engineering & Tech, GJUS&T, 2011
- AICTE FDP on Innovative E-Learning Technologies, NIT Calicut, 2008 – Won “Best Participant”
- Workshop on Ethical Hacking & Info Security, 2012
- Training on Neural Networks & Fuzzy Logic, NITTTR Chandigarh, 2009

Technical/Non-Technical Associations

- Association of Agrometeorologists (AAM), LM-318
- Indian Society for Technical Education (ISTE), LM-61104
- International Association of Engineers (IAENG), 102821
- Agroha Vikas Trust, Agroha, Hisar
- International Association of Computer Science and Information Technology (IACSIT), 80341102

Thesis Guidance

Ph.D. 06 Awarded

Submitted 00

Under 00

Supervision

Prizes and Medals

- Won 1st prize cups in multiple school competitions (Std I, II, VII, IX)
- Active member of Student Union Council (1994–97)
- Certificate in French Language, GJUS&T Hisar
- Civilian Rifle Training Certificate, Home Guard Haryana
- Won prizes in inter-college talent competitions **Extra-**

Curricular Activities

- Keen ability to extract in-built student potential using mathematical insight
- Organized Technical Fests, NCC, Debates, Talent Search, etc.
- Won “Overall Championship” in Kshitiz-2010 (GJUS&T, Hisar)
- Teaching Reviews: <https://www.urbanpro.com/chandigarh/dr-priti-g/4263032>

References

- Prof. M L H Kaul – Ex-Dean, Faculty of Sciences, KUK – Ph: 01744-224700
- Prof. Dharminder Kumar – Dean, Faculty of Engg. & Tech, GJUS&T, Hisar – Ph: +91-94160-80030
- Dr. Surender S. Dhankar – Scientist, Dept. of Agrometeorology, CCSHAU, Hisar – Ph: +91-94160-92462

Personal Details

DOB & Sex Oct 04, 1977, Female

Nationality Indian

Languages Hindi, English, Sanskrit, French
Known

Hobbies Stitching, Teaching, Reading & Solving Toughest Mathematical Problems

Profile Summary

Myself Dr. Priti Singla, from India, Ph.D., M.Tech, M.Sc (Applied Mathematics) — Double Gold Medalist.

- 15+ years of teaching experience: Discrete Math, Numerical Analysis, Operations Research, Statistics, Engineering Mathematics, Neural Networks, Fuzzy Inference Systems, Queuing Model & Simulation
- One-to-one personalized classes, Online tutoring, Assignment Solutions
- B.Tech, M.Tech, Ph.D. Research Guidance
- Reasonable fee & high-quality learning at Dr. Priti’s Mathematics Academy

Fee Details 1,500–2,500/hour (US\$17–28/hour), depending on level of the course

