

CURRICULUM VITAE

1. **Name** : **Dr. PREET PAL SINGH**
2. **Date of Birth** : June 14, 1979
3. **Residential Address** : **Premanent:** Sant Nagar Colony, Salempur Bakkal, Laksar, District:Haridwar- 247663UK
Official Address : **Associate Professor**, Department of Mathematics, S.D.M. Government Post graduate college Doiwala, Dehradun (Uttarakhand),
Email: ppsingh003@gmail.com,
Phone: 9458941910(Mobile),
4. **Educational Qualification** : M.Sc., NET, PhD
5. **Ph. D.** : **Awarded on 26.7.2014**
6. **Date of joining** : **18 July 2005.**
7. **Present Positions**
 - **Assistant Professor**, Department of Mathematics, S.D.M. Government Post graduate college Doiwala, Dehradun (Uttarakhand) India from 12.09.2021 till date.
8. **Teaching Experience**
 - **B.Sc. I, II & III years** in Govt. Degree College, Talwari – Tharali, Chamoli (Uttarakhand) from July,18. 2005 to12.07.2014.
 - **M.Sc. I & II year** at Department of Mathematics, K.L.D.A.V. (P.G.) College Roorkee (Haridwar), in sessions 2002-2003 and 2003-2004 (Two years).
 - **M.Sc. I & II year** at Department of Mathematics, Pt.L.M.S.Govt.P.G.College Rishikesh,Dehradun from **2014 to 2021(7years)**.
9. **Research Experience : Ten years .**
10. **Academic Courses Attended**
 - **Faculty Development Programme** organized by indira Gandhi national open university , regional centre, dehradun in SGRR P.G. College, Dehradun, Uttarakhand *w.e.f.* 8th July 2017 to 14th July 2017.
 - **Refresher course** in HRDC Himachal University ,Shimla, *w.e.f.* 22nd August 2016 to 10th September. 2016 .
 - **One week national workshop** on cryptography organized by Dept. of mathematics, the LNM Institute of information technology, jaipur during Dec. 14-20,2015.
 - **Refresher course** in Academic Staff College, JNU Delhi, *w.e.f.* 28th July2014 to 22rd Aug. 2014 .
 - **One Week Short term training programme** on “Numerical Methods in Engineering and science”organized by SVNIT Surat,Gujarat, india on Jan 1-5, 2014.

- **Short term course** on “Nature inspired optimization algorithms : recent trend ,theory and application” organized by The Institution Of Engineers(India), Roorkee local center IITR compus , Roorkee on March 25-28, 2011.
- **Refresher course** in ASC , Punjabi university Patiala, Punjab *w.e.f.* 03rd May 2010 to 22nd May 2010
- **Orientation Programme** in Academic Staff College, University of Rajasthan, Jaipur, *w.e.f.* 21st Dec. 2009 to 16th Jan. 2010
- **Faculty Development Programme** in Govt. P.G. College, Rishikesh, Dehradun, *w.e.f.* 14th May 2006 to 28th May 2006.

11. Conferences, Symposia & Seminars Attended : Forty Two

1. Participated in *National Symposium on role of Mathematics on the forthcoming developments in Computer Science* held at the Department of Mathematics, S.D.(PG) College Muzaffarnagar (UP) India on November 29-30, 2006.
2. Participated in *State Level Seminar/Workshop on “ strategies for quality assurance at institutional level: with special reference to new methodology of evaluation “*held at the B.S.M(P.G) College Roorkee (Haridwar), Uttarakhand India on December 30, 2008.
3. Participated in *National Symposium on women empowerment : past trends and future directions “* held at the Govt. (PG) College Lansdowne, Pauri, Uttarakhand, India on March 6-7, 2009.
4. Participated in Study group meeting on industrial problems held at the department of mathematics , I.I.T. Roorkee, Haridwar, Uttarakhand, India on March 16-21,, 2009.
5. Participation in *Symposium on New Innovations in Life Science: An approach to environmental and Biodiversity conservation in Himalayas* held at Department of Botany and Zoology, Govt. Degree College, Karnprayag, Chamoli on February 17-19, 2010.
6. Participation in State level conference on role of sciences and technology in the development of uttarakhand state organized by Department of Physics, Govt. P.G. College, Bageshwar, Bageshwar, Uttarakhand on October 25-26, 2010.
7. Presented a paper in the National Seminar on Role of mathematical and physical sciences in engineering and technology organized by department of mathematics and physics, Govt. degree college karanprayag (chamoli) on October 21-22, 2011.
8. Presented a paper in the National Seminar on Innovations And Applications In Engineering And Applied Sciences organized by Faculty of Engineering And Technology, Gurukul Kangri Vishwavidyalaya, Haridwar, India On November 9-10, 2011.
9. Presented a paper in the International conference on soft computing for problem solving(SocProS2011) organized by The Institution Of Engineers(India), Roorkee local center IITR compus, Roorkee during December 20-22,2011.
10. Participated in a workshop on scientific computing: Theory and practices(SCTP-2012) organized by Faculty of Engineering And Technology, Gurukul Kangri Vishwavidyalaya, Haridwar, India On October 8-13, 2012.
11. Participated in International conferences on The Legacy Of Srinivasa Ramanujan organized by the University Of Delhi, Delhi India on December 17-22, 2012.
12. Presented a paper in National seminar on The effect of globalization and liberalization on Indian economy organized by Govt. Women P.G. College , Kandhla,shamli, U.P. on Feb.21,2014.
13. Presented a paper in National seminar on Current challenges of biodiversity organized by Uttaranchal(P.G.) College of technology & bio-medical sciences on Feb.28,2014.
14. Presented a paper in National conference on “role of mathematics in sustainable development” organized by department of mathematics government (P.G.) College karanprayag on Oct.17-18,2014.

15. Presented a paper in National conference on Future perspectives of science & technology in society and governance organized by department of chemistry, physics & mathematics, SSV College, Hapur (U.P) on Nov. 29-30, 2014.
16. Presented a paper in National seminar on environmental economics & social sustainability organized by department of botany, government P.G. College Dwarahat, Almora, Uttarakhand on Dec. 4th & 5th, 2014.
17. Presented a paper in National seminar on recent development in physics & prosperity in solar physics- space science organized by department of physics, M.B. government P.G. College Haldwani, Nainital, Uttarakhand on Dec. 27th & 28th, 2014.
18. Presented a paper in International seminar on Role of e learning in quality education organized by R.H. government P.G. College Kashipur, Udham Singh Nagar Uttarakhand on Feb. 23rd & 24th, 2015.
19. Presented a paper in National seminar on Buddhist Philosophy-old glory and future prospects organized by Municipal P.G. College Mussoorie, Uttarakhand on March. 24th & 25th, 2015.
20. Participated in Brain awareness programme-2015 organized by Department of zoology, Pt. L. M. S. Govt P.G. College Rishikesh, Dehradun on April. 27th, 2015.
21. Participated in National seminar on role of IQAC in Enhancing Quality of Teaching, learning and evaluation process organized by IQAC, S.G.R.R. (P.G) College Dehradun on Oct. 9, 2015.
22. Participated in a national conference on Recent development in mathematical modelling & fuzzy logic organized by Dept. of Applied sciences, Chandigarh University on Oct. 28-29, 2015.
23. Presented a paper in International conference on "Advances in science, engineering & technology organized by International journal of advance research and innovation and MANU-International council for man and nature on Jan. 29-30, 2016.
24. Presented a paper in National seminar on teaching education with a new perspective organized by dept. of teacher education, J.V. Jain (P.G.) College, Saharanpur on Feb. 27-28, 2016.
25. Participated and worked as member of organizing committee in National workshop on Green chemistry practices in teaching, research & industry: essential commitment for the next generation organized by Department of chemistry, Pt. L. M. S. Govt P.G. College Rishikesh, Dehradun on March 30th, 2016.
26. Presented a paper in National conference on Recent advances in mathematics and its computational aspects organized by department of mathematics, SMP Govt. Girls P.G. College, Madhavpuram, Meerut (U.P) on Nov. 11-12, 2016.
27. Presented a paper in National Seminar on Biological Resources-issues & solutions organized by Uttarakhand (P.G.) College of Bio-Sciences & Hospital, Dehradun on Feb. 28th, 2017.
28. Presented a paper in National conference on Current trends in applied sciences organized by J.V. Jain P.G. College, Saharanpur (U.P) on March. 18-19, 2017.
29. Participated in Brain awareness programme-2017 organized by Department of zoology, Pt. L. M. S. Govt P.G. College Rishikesh, Dehradun on April. 22nd, 2017.
30. Presented a paper in National conference on Advances in operations research and mathematical sciences organized by Vardhaman college, Bijnor, U.P on Feb. 24-25, 2018.
31. Presented a paper in National conference on Advances in mathematics and its applications by M.B. P. G. College, Haldwani, Nainital. on March. 17-18, 2018.
32. Participated in a workshop on Teaching and learning through ICT organized by IQAC, Pt. L. M. S. P. G. College Rishikesh, Dehradun on April 06, 2018.
33. Participated in a workshop on Quality in Curriculum Development organized by IQAC, Pt. L. M. S. P. G. College Rishikesh, Dehradun on July 10, 2018.

34. Presented a paper in International conference on Soft Computing and mathematical modeling by Department of applied sciences, KIET Group of Institutions, Ghaziabad, U.P, India on December 22-23,2018.
35. Presented a paper in National conference on Holistic approach towards quality enhancement in higher education organized by IQAC , Pt.L.M.S.P.G. College Rishikesh, Dehradun on January 29-30,2019.
36. Presented a paper in National conference on Bhartiya Gyan Sampada and Nav Chetna organized by SDS Uttarakhand University on Feb 16,2019.
37. Presented a paper in National conference on career counseling in dynamic world:Issues and challenges organized by R.H.G.P.G College Kashipur on April 19-20,2019.
38. Presented a paper in International conference on Contemporary issues of climate change, conservation of biodiversity and natural resources in Himalayan environments by Govt. P. G. College, New Tehri on November 14-16,2019.
39. Presented a paper in National conference on FIT INDIA: Holistic Health care for quality life by IQAC,Pt.L.M.S.Govt. P. G. College, Rishikesh on November 19, 2019.
40. Presented a paper in National conference on Geology and natural resources of Himalaya by Pt.L.M.S.Govt. P. G. College, Rishikesh on November 25-26, 2019.
41. Presented a paper in International conference on conservation and sustainable use of high altitude medicinal and aromatic plants for the socio-economic development by Uttarakhand ayurved university, dehrdun on November 29-30,2019.
42. Presented a paper in International conference on Soft computing and mathematical modelling by Department of applied sciences ,KIET, Ghaziabad, U.P. on December 22-23,2019.

RESEARCH PAPERS (Ten)

1. P.K. Yadav, P. Pradhan, Preet Pal Singh (2012). A Fuzzy Clustering Method to Minimize the Inter Task Communication Effect for Optimal Utilization of Processor's capacity in Distributed Real Time Systems in Proceedings of the International Conf. on SocProS 2011, AISC 130, pp. 151–160. springerlink.com © Springer India 2012
2. P.K. Yadav, Preet Pal Singh, P. Pradhan, (2013). A Tasks Allocation Algorithm for Optimum Utilization of Processor's in Heterogeneous Distributing Computing Systems IJREST: International Journal of Research Review in Engineering Science and Technology) | Volume-2 Issue-1, Page153-160 March 2013
3. P. Pradhan P.K. Yadav, Preet Pal Singh(2013) Task scheduling in distributed processing Environment: a fuzzy approach Page377-383 Ciit International journal of programmable device circuits and systems Vol5,No9,sept2013.
4. Ahmad Pervez , Preet Pal Singh (2013) “dynamics of prey-predator models in terms of functional response: a review” in preeminence: a international peer reviewed research journal,Issn:22497927,Vol.3,No 2/Jul-Dec 2013.
5. Preet Pal Singh and Dipa Sharma (2017) Feasible surfaces of optimal utilization and Dynamic load balancing of processors with fuzzy tasks scheduler for distributed real time systems IOSR journal of computer engineering e-ISSN:2278-0661,P-ISSN:2278-8727,Vol.19,issue-4, Page 26-33,july-aug.2017.
6. Dipa Sharma and Preetpal singh (2018), The Role of fuzzy expert system in the medical field: A Fuzzy Approach, online international interdisciplinary research journal,ISSN2249-9598,Vol-08,April2018 special issue.
7. Pervez,A.,Singh,P.P., Bozdogan,H. (2018) Ecological perspective of the diversity of functional responses; European journal of Environmental Sciences, vol.8, no.2,pp.97-101.
8. Ajendra kumar,preet pal singh, pawan joshi(2019) Travelling salesman problem using genetic algorithm and fuzzy C-mean clustering algorithm; international journal of scientific & technology research vol08,august 2019 edition –ISSN2277-8616.

9. Ajender kumar, Preet pal singh, Dipa Sharma & Pawan joshi, "Grid Neural Network To Solve Voice Recognition Problems" Proceedings of The Second International Conference on Frontiers in Industrial and Applied Mathematics (FIAM) August 2020.

10. Ajender kumar, Preet pal singh, Dipa Sharma & Pawan joshi, "Utilization of Grid Neural Network Model and RT-PCR test to detect the COVID-19 Patients and to avoid the Spreading of SARS-COV-2" in International Journal of Recent Technology and Engineering (IJRTE) ISSN:2277-3878, VOL-9, Issu-3, September 2020.

11. preet pal singh and Dipa Sharma, "state observation for a dynamical model of human thyroid" in scientific research journal of engineering and computer science, ISSN-2788-9394, VOL-1, issue-1, june-july-2021

12. Dipa Sharma, ahmad pervez and preet pal singh, "physiology of thyroid hormones and the associated modelling: a review" in scientific research journal of multidisciplinary ISSN-2788-9459, VOL-1, issue-2, aug-sep-2021

ACADEMIC RECORD

S. No.	Name of Examination passed	Board/ University & College	Subject (s)	Year
1.	10	UP Board Allahabad (KV Inter College Laksar Haridwar')	English Mathematics Hindi Science So. Science Art	1994
2.	10+2	UP Board Allahabad (KV Inter College Laksar Haridwar')	English Mathematics Chemistry Physics Hindi	1996
3.	B. Sc.	KLDAV(P.G.) College Roorkee (Haridwar)	Mathematics Physics Chemistry	1999
4.	M. Sc.	IIT Roorkee, Roorkee Haridwar(UK)	Applied Mathematics	2001
5.	Ph.D.	Gurukula Kangri University Haridwar, Haridwar	Mathematics	2014

Preet Pal Singh
Asso. Professor
Department of Mathematics