

CURRICULUM VITAE

Ramanpreet Kaur

D/o Khushpal Singh

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OBJECTIVE

To acquire professional edge through hard work and continuous learning. Seeking an interactive and challenging environment where I can apply my strengths and innovative ideas for personal growth and advancement.

EDUCATIONAL QUALIFICATIONS

Qualification	Name of the Institution	Board/ University	Year of Passing	Marks Obtained	Total Marks	%age
10 th	Tagore Model School, Sri Muktsar Sahib	P.S.E.B	2003	479	650	73.69
12 th	Tagore Model School, Sri Muktsar Sahib	P.S.E.B	2005	259	450	58
B.A. (Mathematics, Economics, Elective Hindi)	Guru Nanak College for Girls, Sri Muktsar Sahib	P.U Chandigarh	2008	1526	2400	63.58
B.Ed. (Teaching of Mathematics, Teaching of Hindi)	J.D College of Education, Sri Muktsar Sahib	P.U Chandigarh	2009	850	1100	77.27
M.Sc. (Mathematics)	Lyallpur Khalsa College, Jalandhar	G.N.D.U Amritsar	2011	552	1000	55.20
M.Ed.	Govt. College of Education, Jalandhar	G.N.D.U Amritsar	2012	481	700	68.71
Ph.D. (Specialisation: Traffic Flow Modeling)	Thapar Institute of Engineering and Technology, Patiala	Thapar Institute of Engineering and Technology, Patiala	2020	--	--	--

Title of the thesis: Analysis and Modeling of Some Traffic Characteristics using Lattice Hydrodynamic Approach

ACHIEVEMENTS

- Qualified Central Teacher Eligibility Test (CTET) Paper II, Dec. 2021.
- Qualified Punjab State Teacher Eligibility Test (PSTET) Paper II, Dec. 2021.

RESEARCH PAPERS

- Kaur, R., Sharma. S. (2017). Analysis of driver's characteristics on a curved road in a lattice model. *Physica A: Statistical Mechanics and its applications*, 471: 59-67.
- Kaur, R., Sharma. S. (2018). Analyses of a heterogeneous lattice hydrodynamic model with low and high –sensitivity vehicles. *Physics Letters A*, 382 (22) : 1449-1455.
- Kaur, R., Sharma. S. (2018). Modeling and simulation of driver’s anticipation effect in a two lane system on curved road with slope. *Physica A: Statistical Mechanics and its applications*, 499: 110-120.

CONFERENCES, SEMINARS & WORKSHOPS ATTENDED

- Presented paper entitled “**Phase Transition in a Heterogeneous Lattice Model with Passing**” in the “**International Conference on Evolution in Pure & Applied Mathematics**” organized by **Department of Mathematics, Akal University, Talwandi Sabo** during the period **November 16-18, 2022**.
- Attended international workshop on “**Advances in Mathematics using research tools**” organized by **Department of Mathematics, Akal University, Talwandi Sabo** during the period **March 25-26, 2022**.
- Participated in lecture series on “**Partial Differential Equations and its Applications**” held at **Thapar Institute of Engineering and Technology, Patiala, March 29-30, 2019**.
- Attended workshop on “**Applications of optimization techniques**” organized by **Thapar Mathematical Society in collaboration with Scimatics** during **March 30-31, 2018**.
- Attended “**6th International Conference on Soft Computing for Problem Solving**” (SOCPROS) organized by **School of Mathematics, Thapar University, Patiala** during the period **Dec. 23 – Dec. 24, 2016**.
- Presented paper entitled “**Modeling and simulation of driver’s anticipation effect in a two lane system on curved road**” in the International Conference on “**Recent Advances in Theoretical & Computational Partial Differential Equations with Applications**” held at **University Institute of Engineering and Technology**, during **Dec. 05 – Dec. 09, 2016**.
- Attended “**National Program On Differential Equations: Theory, Computation & Applications**” (NPDE-TCA) (Sponsored by Department of Science & Technology, Government of India) held at **Indian Institute of Technology – Ropar**, during the period **May 16th – June 4th, 2016**.
- Attended “**National Seminar on Role of Statistics in Physiotherapy**” (Sponsored by UGC, New Delhi) organized by **P.G. Department of Mathematics in association with Department of Physiotherapy Lyallpur Khalsa College, Jalandhar** during the period **Nov. 25 - Nov. 27, 2010**.

TEACHING EXPERIENCE

- Worked as an Assistant Professor in the Department of Mathematics, University College of Basic Sciences & Humanities, Guru Kashi University, Talwandi Sabo from 17/02/2021-27/05/2021.
- Worked as Lecturer in the Department of Mathematics, MRSPTU, Bathinda from 28/09/2020 to 30/11/2020.
- Worked as Lecturer in the Department of Mathematics, MRSPTU, Bathinda from 14/01/2020 to 16/05/2020.
- Worked as Lecturer in the Department of Mathematics, MRSPTU, Bathinda from 01/08/2019 to 27/11/2019.
- Worked as Lecturer in the Department of Mathematics, Baba Farid College, Deon, Bathinda from 01/08/2012 to 15/04/2013.

SOFTWARE SKILLS

- Latex
- MATLAB

PERSONAL DETAILS

Father's Name	:	S. Khushpal Singh
Date of Birth	:	12-02-1989
Gender	:	Female
Marital Status	:	Unmarried
Nationality	:	Indian
Languages	:	Punjabi, English & Hindi

DECLARATION

I hereby declare that all the above mentioned particulars are true and correct to the best of my knowledge and belief.

Place: Sri Muktsar Sahib
Dated: 05/04/2024

(Ramanpreet Kaur)