Curriculum Vitae

- ## *PERSONAL DETAILS*

1. Name   : Sangeeta Jaiswal
2. Sex   : Female
3. Date of Birth   : 28th May, 1980
4. Nationality   : Indian
5. Language Known   : English, Hindi, Oriya
6. Marital Status   : Unmarried
7. Present address   : Research Scholar
                                     Department of Mathematics
                                     Indian Institute of Technology Kharagpur
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- ## *EDUCATIONAL QUALIFICATIONS:*

Name of the Degree	University / Institution(s)	Year (s)	Class	% or CGPA obtained
PhD in Mathematics	IIT Kharagpur West Bengal	Degree awarded (29.10.2010)		
M. Phil. Mathematics	Sambalpur University Sambalpur , Orissa	2003-2004	First class	8.73
M. Sc. Mathematics	Sambalpur University Sambalpur , Orissa	2000-2002	First class	8.81
B. Sc. Mathematics(Hons)	Rajendra College Sambalpur University Sambalpur , Orissa	1997-2000	First class	77.25% (hons)

- *RESEARCH AREA :*   Optimization.

  1. M.Phill. Thesis title- Postive Operators, Contractions and Operator Inequalities

  2. Ph.D. Thesis title- Optimality condition and duality results under generalized convexity.

- *RESEARCH PAPER PUBLISHED:*

  1. New type of second order duals for a nonlinear programming problem, International Journal of Optimization: Theory, Methods and Applications, Vol. 1 , p. 102-111, 2009.

  2 Lagrange, Fenchel, Fenchel-Lagrange duality results for E-convex Programming problem, Journal of Orissa Mathematical Society, Vol. 27, p. 169-176, 2008.

  3 Lagrangian dual of fuzzy nonlinear programming problem and some duality Results, International Journal of Fuzzy Mathematics, Vol. 17, No. 3, 2009.

  4. Optimality condition for E-convex programming problem, International journal of mathematical analysis. (Accepted)

  5. Duality results using higher order generalized E-invex functions, International Journal of Computing Science and Mathematics. (Accepted)

- *RESEARCH PAPERS COMMUNICATED:*

  1. Wolfe's first and second order dual of fuzzy nonlinear programming problem and some duality results, International journal of uncertainty, fuzziness and knowledge based system. (Communicated)

  .

  2. Optimality condition and duality results using generalized E-invex   functions, Nonlinear Analysis. (Communicated)

  .   3. Optimality condition   for nonlinear programming problem using semi-E-convexity, Opsearch. (Communicated)

RESEARCH PAPERS PRESENTED IN CONFERENCES:

 1. Fuzzy non linear programming with single nonlinear objective function, Operational Research Society of India, Kolkata, 2007 .

 2. Second order Fenchel type dual and its comparison with other type duals, Orissa Mathematical Society, 2007.

 3. Relationship between different types of second order duals using conjugate function, ORITSCM 2007, Madurai, Banglore chapter.

- ***WORKSHOP ATTAINED:***

    1. Operational Research as Competitive Edge , Indian Institute of Technology Kharagpur, Kharagpur, 2007.

    2. Research Workshop in Optimization Theory and Applications, Indian Institute of Technology Kanpur, Kanpur, 2008.

    3. Advanced Training Programme on Nonconvex Optimization and Its Applications, Banaras Hindu University, Varanasi, 2009.

- ***ACHIEVEMENTS***

    1. Qualified **GATE-2004(MA)** with percentile score *86.20 and 205th Rank*.

    2. Gold medalist in M. Sc., **2002**.

    3. Second position in University (B.Sc.), **2000**.

    4. Qualified in **Indian Association of Physics Teachers** part –A, **1997.**

- ***TECHNICAL EXPERTISE***

    Operating System : Windows(XP).

    Packages : Ms-Office 2003

    Programming: C, Data Structure

- ***REFEREE:***

Dr. Geetanjali Panda (Ph.D Supervisor),	Dr. P.D. Srivastava
Associate Professor	Professor
Department of Mathematics,	Department of Mathematics,
IIT Kharagpur,	IIT Kharagpur,
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DECLARATION:

 I hereby solemnly declare that all the information furnished above is true to the best of my knowledge.

Date:
Place: Kharagpur   Sangeeta Jaiswal