



St. Xavier's College

Dr. Camil Bulcke Path, Ranchi

Faculty Profile

Name of Faculty Member	:	Vijay Kumar Mehta
Gender	:	Male
Email ID	:	vijay.mehta182@gmail.com
Name of Department	:	Department of Mathematics & Statistics
Designation	:	Assistant Professor
Level of Teaching	:	Undergraduate and Postgraduate
Academic Qualification	:	M.Sc.
Total Teaching Experience	:	10 Years and 06 Months
UGC NET/SET Qualified	:	Yes

Research Papers Published:

- 1) "**Duality for Interval-Valued Multiobjective Optimization Problem with Vanishing Constraints**", published in Annals of the Bhandarkar Oriental Research Institute, 2024.
- 2) "**Generalized linear and non-linear KdV equation using homotopy perturbation method**", published in Gradiva Reviewed Journal, 2018.

Participation in UGC-HRDC Course/FDP/OC/RC:

- 1) Participation on 1 week FDP on **Cognitive Computing for Smart Application**, organized by Vishwakarma Institute of Information Technology, Pune, 2024.
- 2) UGC Sponsored Refresher Course in **Information Technology**, Organized by Malviya Mission Teacher Training Centre, Ranchi University, Ranchi, 2024.
- 3) UGC Sponsored Inter-Disciplinary Refresher Course in **Research Methodology and Statistical Analysis**, Organized by UGC Academic Staff College, Ranchi University, Ranchi, 2021.

- 4) UGC Sponsored Special Winter School Organized by UGC Academic Staff College, Ranchi University, Ranchi, 2016.
- 5) UGC Sponsored 78th Orientation Programme Organized by UGC Academic Staff College, Ranchi University, Ranchi, 2014.

Seminar/Conference attended/Paper Presented (National/International):

- 1) Paper titled "**An Elementary Treatise on Convex Optimization**" presented in International Conference organized by Department of physics, St. Xavier's College, Ranchi, Jharkhand (Jan. 2024)
- 2) Paper titled "**A study on convex programming problems**" presented in international conference organized by Department of Mathematics, Aiman College of Arts and Science for Women, Tiruchirappalli- 620021 (Feb. 2024)
- 3) Participated in two-day workshop on "**Promotion of Research and Development in the Field of Science and Technology Among Higher Educational Institutions of Jharkhand**", organized by DHTE government of Jharkhand (Feb. 2024)
- 4) Paper titled "**Analysis of Weak Duality in Nonlinear Programming**" presented in national conference organized by Department of Statistics, Central University of Orissa, March 2024.
- 5) Paper titled "**Analysis of Strong Duality in Nonlinear Programming**" presented in the International Conference organized by Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi, March 2024.
- 6) Paper titled "**Laplace Transform Homotopy Perturbation method to Solve Linear Riccati equation**" presented in national Seminar organized by Department of Mathematics, Achhruram Memorial College, Purulia West Bengal, Feb 2015.
- 7) Paper titled "**Generalized Linear KDV equation using Homotopy Perturbation Method**" presented in National Seminar organized by Department of Mathematics, Achhruram Memorial College, Purulia, West Bengal, April 2017.

[Vijay Kumar Mehta]