

Name: – Dr. Ajeet Kumar



Designation: – Assistant Professor

Department: – Mathematics

College Name: – V.S.S.D. College, Kanpur (KN02)

Pin Code: – 208002

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Area of Research: - Operator Theory, Fixed Point Theory and Optimization

Educational details: -

- **Ph.D.** from Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi-2017.
(Thesis Title: Iterative Algorithms for Nonexpansive Type Mappings and Applications)
- **M.Sc.** Mathematics from Banaras Hindu University, Varanasi, CGPA- **8.47 (80.20%)** in 2010.
- **B.Sc.** Mathematics and Physics from B.S.N.V. (PG) College, Charbag, Lucknow (Affiliated to University of Lucknow, Lucknow) with **67.44%** in 2008.
- **Intermediate** from U. P. Board, Allahabad with **72.00%** in 2005.
- **High School** from U. P. Board, Allahabad with **58.00%** in 2003.

Teaching Experience: - 07 Years.

- Teaching Differential Calculus and Integral Calculus, Algebra, Numerical Analysis, Complex Analysis, Fuzzy Set Theory, Topology, Functional Analysis, Measure Theory etc. since September 2017 in **B.Sc.** and **M.Sc.** level.
- Teaching Mathematics in **B.C.A. (Semester-I and Semester-II)** for session 2024-25.

Honour/ Award/ Fellowship: -

- Awarded **CSIR-UGC JUNIOR RESEARCH FELLOWSHIP (JRF)** in **June 2014** with All India Rank **36**.
- Qualified **CSIR-UGC NET** in **December 2013** with All India Rank **28**.
- Awarded **DST JUNIOR RESEARCH FELLOWSHIP (DST-JRF)** in **2012** from **DST CIMS BHU, Varanasi**.
- Qualified **CSIR-UGC NET** in **June 2012** with All India Rank **51**.
- Qualified **GATE** in **2012** with All India Rank **332**.
- Awarded **BHU CRET Fellowship** in **2011** in **MATHEMATICS**.

Book Published: - 02

- **Dr. Ajeet Kumar**, Dr. Manjari Srivastava and Dr. Parijat Sinha, A Text Book of ``**Mathematical Methods**'' Kedar Nath Ram Nath Publishers, Meerut, **2023**.
- Dr. Prashant Chauhan, Dr. Prabhat Kumar Singh, Dr. Rahul Kumar and **Dr. Ajeet Kumar**, ``**Mechanics**'', Thakur Publications Pvt. Ltd, Lucknow, **2023**.

Book Chapters: -02

- T. Som, Amalendu Choudhury and **Ajeet Kumar**, Convergence of Generalized Type of Iterates to Common Fixed Point, Springer Proceedings in Mathematics & Statistics, Vol 253, Springer, **2018**. (Scopus Indexed).
- Sachin Katiyar and **Ajeet Kumar**, Fixed Point Theorems for Semitopological Semigroups of Lipschitzian Mappings, Multidisciplinary Approach in Research Area, Vol 6, The Hill Publication, **2024**. (ISBN:978-81-966799-0-3)

Research Papers Published in International/ National Journals: -07

1. D. R. Sahu, Shin Min Kang, **Ajeet Kumar** and Sun Young Cho, A General Implicit Iteration for Finding Fixed Points of Nonexpansive Mappings, Journal of Nonlinear Science and Applications, 9, 5157-5168, 2016. (UGC-CARE Listed)
2. Yen-Chern, B. K. Sharma, **Ajeet Kumar** and Niyati Gurudwan, Viscosity Approximation Method for Common Fixed Point Problems of a Finite Family of Nonexpansive Mappings, Journal of Convex Analysis, 18(1), 949-966, 2017. (Scopus Indexed)
3. D. R. Sahu, Shin Min Kang and **Ajeet Kumar**, Convergence Analysis of Parallel S-Iteration Process for System of Generalized Variational Inequalities, Journal of Function Spaces, 2017:1-10, DOI: 10.1155/2017/5847096 (SCI Indexed, I.F. 1.9)
4. D. R. Sahu, **Ajeet Kumar** and Ching-Feng Wen, S-Iteration Process of Halpern-Type for Common Solutions of Nonexpansive Mappings and Monotone Variational Inequalities, Filomat, 33(6), 1727-1746, 2019. (SCI Indexed, I.F. 0.8)
5. D. R. Sahu, **Ajeet Kumar** and Shin Min Kang, Proximal Point Algorithms Based on S-Iterative Technique for Nearly Asymptotically Quasi-Nonexpansive Mappings and Applications, Numerical Algorithms, 86, 1561-1590, 2021. (SCI Indexed, I.F. 3.041)
6. Samaideen Gupta and **Ajeet Kumar**, Acharya Kautilya's Philosophy of Espionage and Ambassador in War: A Study, Bohal & Shodh Manjusha, 15, 3(6), (on Page no. 83), 2022. (Peer Reviewed & Refereed International Journal).
7. Sachin Katiyar and **Ajeet Kumar**, A New Iteration Process with Akutsah Iteration Scheme for Generalized Mean-nonexpansive Mappings in Uniformly Convex Banach Space, Communication and Management Journal, 9(4), 533-561, 2024. (ISSN No. 2269-7195, UGC- CARE Approved Group-II Journal)
8. **Ajeet Kumar** and Satyendra Kumar, Data Dependence and Stability Results for Nearly Contraction Mappings in Banach Spaces, J. Appl. & Pure Math., (Submitted in 2025)
9. Deepak Kumar, Sonu Ram and **Ajeet Kumar**, Inertial Based Algorithm for Asymptotically Demicontractive Operators, Numerical Algebra, Control and Optimization (Submitted in 2025)

Research Supervised at P.G. and Doctorate level: -

- Two Ph.D. research scholars are currently working under me.
- Twelve Dissertations have been submitted under my guidance at M.Sc. level in 2023-24.

- Nine students are currently doing their dissertations under my guidance at M.Sc. level in session 2024-25.

Seminar / Workshop/Lecture Series Organized: -

- Organized a Lecture Series of 32 Lectures (One and half hour lecture each) from May 2022 to January 2023 on ``Complex Analysis``
- Organized an Online lecture series of 32 Lectures (One and half hour lecture each) from 16th March 2023 to 28th March 2024 on ``Algebra``.
- Organized an Online lecture series of 54 hours from 4th May 2024 to 26th March 2025 on ``Several Variable Calculus and Functional Analysis``.

National Seminar/Conference/Workshop Attended: -

- LATEX Training Programme at DST CIMS, BHU, Varanasi during February 13, 2012 to February 18, 2012.
- ATM Workshop in Riemannian Geometry, TIFR CAM, Bangalore during July 16, 2012 to July 28, 2012.
- National Meet of Research Scholars in Mathematical Sciences (NMRSMS-2012), DST CIMS, BHU during November 18, 2012 to November 22, 2012.
- 78th Annual Conference of the Indian Mathematical Society at DST CIMS, BHU, Varanasi during January 22, 2013 to January 25, 2013.
- Annual Foundation School-III at Department of Mathematics, University of Pune, Pune during June 03, 2013 to June 29, 2013.
- 30th Annual National Conference of the Mathematical Society, BHU on Mathematical Analysis and Application during January 30, 2015 to January 31, 2015 (Paper Presented).
- Advanced Level Workshop on Variational Inequality and Applications under the auspices of National Program on Differential Equations: Theory, Computation & Applications (NPDE-TCA), Sharda University, Knowledge Park-III, Greater Noida during January 24, 2016 to January 28, 2016.
- National Conference on Analysis and Applications, (NCOAA-2016), BHU, Varanasi during February 05, 2016 to February 07, 2016 (Paper Presented).
- TEQIP-II Sponsored Workshop on Fixed Point Theory and Dynamical Systems with Real World Applications, S.V. NIT, Surat during February 23, 2017 to February 25, 2017.
- In-house Training Programme on Pedagogy for 21st Century Learners, National Institute of Technical Teachers, Training and Research, Kolkata during December 04, 2017 to December 08, 2017.
- Participated in 131st Orientation Programme at UGC HRDC, University of Lucknow, Lucknow during January 02, 2019 to January 30, 2019.
- National Conference on Recent Trends in Mathematics with Applications, Shri Ramswaroop Memorial University, Lucknow during February 21, 2019 to February 22, 2019 (Paper Presented).
- Participated in Ten days Workshop on Teaching-Learning & Evaluation for Faculty Members of HEIs at TLC, Central University of Rajasthan (TLC@CURaj) during November 04, 2019 to November 14, 2019.
- Participated in Online FDP on Python 3 organized by Department of Computer Science & Engineering, Prakasam Engineering College, Kandukur, Andhra Pradesh during May 25, 2020 to May 31, 2020.
- Participated in FDP on Managing Online Classes and Co-creating MOOCS 3.0 organized by TLC, Ramanujan College, University of Delhi during July 25, 2020 to August 10, 2020.

- Participated in Faculty Development Program on Applications of Optimization Techniques in Science and Engineering Research, B. K. Birla Institute of Engineering & Technology, Pilani during August 08, 2020 to August 27, 2020.
- Participated in Refresher Course in Applied Mathematics and Statistics at UGC HRDC, Devi Ahilya Vishwavidyalaya, Indore during November 25, 2020 to December 08, 2020.
- Participated in Two days National Workshop on Vedic Mathematics at C.S.J.M. University, Kanpur during April 24, 2023 to April 25, 2023.
- Participated in Refresher Course in Mathematics: Python and Vedic Mathematics at TLC & Department of Mathematics, Ramanujan College, University of Delhi during July 13, 2023 to July 26, 2023.
- Participated in a National Workshop on Mathematical Legacy of India, organized by Department of Mathematics, School of Basic Sciences, C.S.J.M. University, Kanpur on October 11, 2023.
- Participated in Five days National Workshop on Maple with Hands on Sessions at C.S.J.M. University, Kanpur during July 30, 2024 to August 03, 2024.

International Seminar/ Conference/ Workshop Attended: -

- International Conference on Analysis and its Applications, Aligarh Muslim University, Aligarh during December 19, 2015 to December 21, 2015 (Paper Presented).
- International Conference of the Indian Mathematics Consortium (TIMC) in cooperation with American Mathematical Society (AMS), DST CIMS, BHU, Varanasi during December 14, 2016 to December 17, 2016 (Paper Presented).
- International Workshop on Theory and Applications of Optimization in Machine Learning at VIT-AP University during April 04, 2025 to April 08, 2025 (Attended).

Administrative Experience and Member in Academic Bodies: -

- Working as DSW (Dean of Student Welfare) in V.S.S.D. College, Kanpur since 08th February 2023 till now.
- Co-Convener, Anti Ragging Committee in VSSD College for session 2023-24 and 2024-25.
- Nodal Officer, Scholarship Committee in VSSD College for session 2022-23, 2023-24 and 2024-25.
- Training and Placement Officer in VSSD College for session 2022-23 and 2023-24.
- Member of NIRF Committee in VSSD College for session 2022-23, 2023-24.
- Member of Syllabus Designing Committee, NEP-2020 (M.Sc. Mathematics), C.S.J.M. University, Kanpur in 2022.
- Member of Syllabus Designing Committee (Ph.D. in Mathematics), C.S.J.M. University, Kanpur in 2022.
- Assistant Superintendent in Exam Committee conducted by CSJM University, Kanpur for session 2021-22.
- Member of Cultural Committee in Centenary year of VSSD College in 2021-22.
- Member of Proctorial Board Committee in VSSD College during session 2020-21.
- Member of Nodal Committee (Mathematics)-2020 for creating E-Content by Mahatma Gandhi Kashi Vidyapith University, Varanasi.
- Member of B. A. Admission Committee in VSSD College since July 2018 to June 2024.
- Member of Centre of Excellence Committee in VSSD College since 2018.
- Life Member of Indian Mathematical Society since 2013.

Research Id's: -

- Research Gate Id: <https://www.researchgate.net/profile/Ajeet-Kumar-15>
- Google Scholar Id: <https://scholar.google.co.in/citations?user=Eyhtz1cAAAAJ&hl=en>
- VIDWAN ID: 226564
- ORCID ID: 0009-0002-3196-1405
- LINKEDIN Profile: <https://www.linkedin.com/in/ajeet-kumar-43ba35b0>

Other Activities: -

- Organizer of Heartfulness Eassy Event 2023 as a DSW (a Global Event) with the collaboration of VSSD College and Heartfulness Education Trust Shri Ram Chandra Mission.
- Convener of Flying Squad Committee in CSJM University Kanpur Exam for session 2022-23.
- Appointed as Observer in CSJM University Kanpur Exam in 2021.
- Subject Expert for TGT Mathematics in Uttar Pradesh Madhyamik Shiksha Seva Chayan Board, Prayagraj during January 20, 2020 to January 22, 2020.
- Appointed as Local Observer CTET December 2018 by C.B.S.E.
- Gold Medalist (First Position) in Badminton Men Doubles in Annual Games and Sports 2015-2016, Faculty of Science, Banaras Hindu University, Varanasi.

