

CURRICULUM VITAE

Dr Shubham Jaiswal

Assistant Professor

Department of Mathematics,

PGDAV College, University of Delhi,

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Career Objective:

To become a professional teacher and researcher in mathematics, where I can showcase my talent in the subject, utilise my ability to teach and develop students' reasoning skills, and employ a qualitative approach in mathematics, thereby adding business value to the organization I would work for.

Educational Qualification:

- **Ph.D.** in Mathematics from Indian Institute of Technology (BHU), Varanasi in 2018.
Research Topic: Study of Some Transport Phenomena Problems in Porous Media.
Supervisor: Professor Subir Das
- **Master of Science (M.Sc)** in Mathematics from Kumaun University, Nainital in 2011.
- **Bachelor of Science (B.Sc)** from Kumaun University, Nainital in 2009.
- **Intermediate (10+2)** from U.P. Board in 2006.
- **High School (10)** from U.P. Board in 2004.

Working Experience:

- [1] **Assistant Professor**, Dept. of Mathematics, PGDAV College, University of Delhi, New Delhi-110065, From Feb 2023 to date.
- [2] **CSIR-Research Associate**, Dept. of Mathematics, South Asian University, New Delhi -110021, From Feb 2021 to Feb 2023.
- [3] **Assistant Professor**, Dept. of Mathematics, J.C. Bose University of Science & Technology, YMCA, Faridabad (Haryana) -121006, **I was involved in teaching U.G., P.G. and B.Tech. Classes.** From July 2019 to January 2021.
- [4] **Assistant Professor**, Dept. of Mathematics, Akal University, Talwandi Sabo, Bhatinda (Punjab) -151302. **Here I have taken the U.G. & P.G. Classes.** From August 2018 to April 2019.
- [5] **Graduate Teaching Assistant**, Dept. of Mathematical Sciences, IIT (BHU), Varanasi. From August 2013 to July 2018.
- [6] **Tutor** at INSTITUTE OF CHEMICAL TECHNOLOGY, MATUNGA EAST, Mumbai {Category-I Deemed to be University (MHRD/UGC), Elite Status and Centre Excellence, Govt. of Maharashtra.}, **where I have taken B.Tech and B.Chem classes.** From January 2013 to July 2013.
- [7] **Junior Project Fellow (JPF)** in a Project "Study of Curriculum at Higher Secondary Stage in Mathematics" at NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING (NCERT), New Delhi, From July 2012 to December 2012.

Published/Accepted/Communicated Papers in National and International Journals:

- [1] **Shubham Jaiswal**, M. Chopra, S.H. Ong, and S. Das, "Numerical Solution of One-Dimensional Finite Solute Transport System with First Type Source Boundary Condition", *International Journal of Applied and Computational Mathematics (Springer)*, 3, 3035-3045, 2017. ISSN: 2349-5103.
- [2] **Shubham Jaiswal**, M. Chopra, and S. Das, "Numerical Solution of Space Fractional Order Solute Transport

- System”, *Journal of Porous Media (Begell House)*, 21(2), 145-160, 2018. ISSN: 1091-028X, IF: 1.151.
- [3] **Shubham Jaiswal**, M. Chopra, and S. Das, “Numerical Solution of Two-dimensional Solute Transport System using Operational Matrices”, *Transport in Porous Media (Springer)*, 122(1), 1-23, 2018. ISSN: 0169-3913, IF: 2.211.
 - [4] **Shubham Jaiswal**, M. Chopra and S. Das, “Numerical Solution of Non-linear Partial Differential Equation arising in Porous Media using Operational Matrices”. *Mathematics and Computers in Simulation (Elsevier)*, 160, 138-154, 2019. ISSN: 0378-4754, IF: 1.643.
 - [5] **Shubham Jaiswal** and S. Das, “Numerical Solution of Linear/Nonlinear Fractional Order Differential Equations Using Jacobi Operational Matrix”. *International Journal of Applied and Computational Mathematics (Springer)*. 5:42, 2019. ISSN: 2349-5103. DOI: [10.1007/s40819-019-0625-z](https://doi.org/10.1007/s40819-019-0625-z).
 - [6] **Shubham Jaiswal**, S. Das, Ramu Dubey and A. K. Tiwari, “Jacobi Collocation Technique to Solve Nonlinear Reaction-Diffusion Equation”, *International Journal for Computational Methods in Engineering Science and Mechanics (Taylor & Francis)*, 22(3), 208-215, 2021. ISSN: 1550-2287. DOI: [10.1080/15502287.2021.1916691](https://doi.org/10.1080/15502287.2021.1916691).
 - [7] Ramu Dubey, Arvind Kumar, Pooja Gupta, **Shubham Jaiswal** and Vishnu Narayan Mishra, “Special class of G-Wolfe type fractional symmetric duality theorems under G-pseudoinvexity assumptions”. *Journal of Physics: Conference Series (IOP Publishing)*. 1724(1), 2021. DOI: [10.1088/1742-6596/1724/1/012027](https://doi.org/10.1088/1742-6596/1724/1/012027).
 - [8] **Shubham Jaiswal**, S. Das and J. F. Gómez-Aguilar, “A new approach to solve the fractional order linear/non-linear two-dimensional partial differential equation using Legendre collocation technique”. *Few-Body system (Springer)*, 63(3), 56, 2022. ISSN: 1432-5411. DOI: [10.1007/s00601-022-01757-x](https://doi.org/10.1007/s00601-022-01757-x)
 - [9] Jyotsana, R. Chugh, **Shubham Jaiswal** and R. Dubey, “Stability of Various Functional Equation in non-Archimedean (n, β) - normed spaces”, *Journal of Analysis (Springer)*, 30(4), 1653-1669, 2022. ISSN: 2367-2501. DOI: [10.1007/s41478-022-00423-z](https://doi.org/10.1007/s41478-022-00423-z)
 - [10] Balram, **Shubham Jaiswal** and Ramu Dubey, “Mixed-Type Multiobjective Non-differential Symmetric Duality Programming Problem Over Arbitrary Cones”, *Mathematical Methods in Applied Sciences (Wiley)*, 48(8), 2025. ISSN: 1099-1476, DOI: <https://doi.org/10.1002/mma.10762>.
 - [11] **Shubham Jaiswal**, Sachin Kumar and Kapil Kumar Sharma, “A spectral-finite difference method for solving Mittag-Leffler kernel fractional Kuramoto-Sivashinsky equation with application” *Communicated*.
 - [12] **Shubham Jaiswal**, Sachin Kumar and Kapil Kumar Sharma, “Numerical solution of fuzzy singular and non-singular time fractional reaction-diffusion equation with time delay” *Communicated*.

Paper Presented at the Conference:

- [1] “Numerical solution of space fractional order solute transport system”, National conference on Emerging Trends in Physics of Fluids & Solids (NCETPFS-2016), held during March 03-04, 2016, Organized by Department of Mathematics, Jadavpur University, Kolkata.
- [2] “Numerical solution of space fractional order advection-dispersion equation using Chebyshev collocation method”, International Conference on Mathematical Modeling and Simulation (ICMMS-2016), held during August 29-31, 2016, Organized by Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi.
- [3] “Numerical solution of non-linear partial differential equation arising in porous media using operational matrices”, 4th International Conference on Mathematics and Computing (ICMC-2018), held during January 09-11, 2018, Organized by Department of Mathematical Sciences, Indian Institute of Technology (BHU), Varanasi.
- [4] “Numerical solution of linear/non-linear space fractional order differential equations using Jacobi polynomial”, 33rd Annual National Conference of Mathematical Society-BHU “Recent Advances in Mathematical Modeling & Analysis”, held during February 16-17, 2018, Organized by Department of Mathematics, Institute of Science, Banaras Hindu University, Varanasi.
- [5] “A new approach to solve the standard as well as fractional order linear/non-linear two-dimensional partial differential equation using Legendre collocation technique”, held during January 6-10, 2020, 8th International Symposium on Fusion of Science & Technology (ISFT-2020), Organized by J. C. Bose University of Science and Technology, YMCA, Faridabad.
- [6] “Approximate solution of two-dimensional solute transport problem in porous media”, Two-day National Conference on Computational and Theoretical Advances in Mathematical Sciences and Their Applications, held during

March 21-22, 2025, Organized by Department of Mathematics, Chaudhary Charan Singh University, Meerut-250004.

Workshop/Symposium/Course Attended:

- [1] “National Workshop on Mathematical Modeling and Computer Simulation (NWMMCS-2015)”, held during March 20-21, 2015, organized by Teaching - Learning Cell IIT (BHU), Varanasi.
- [2] “National Symposium on Research Methodology for Future Researchers (RMFR-2015)”, held on March 22, 2015, organized by Teaching - Learning Cell IIT (BHU), Varanasi.
- [3] “National Program on Differential Equations: Theory, Computation & Applications (NPDE-TCA)”, held during May 18 - June 4, 2015, organized by Indian Institute of Technology Kanpur, Kanpur.
- [4] Global Initiative of Academic Networks (GIAN) course on “Volume Averaging Method for Upscaling in Porous Media”, held during January 5-16, 2016, at IIT (BHU), Varanasi.
- [5] “National Program on Differential Equations: Theory, Computation & Applications (NPDE-TCA)”, held during August 24-29, 2016, organized by DST-CIMS, Banaras Hindu University, Varanasi.
- [6] Global Initiative of Academic Networks (GIAN) course on “Isogeometric Methods Using B-Splines and Nurbs”, held during December 16-20, 2017, at IIT (BHU), Varanasi.
- [7] Global Initiative of Academic Networks (GIAN) course on “Wavelets and Their Application in Signal and Image Processing”, held during December 21-25, 2017, at IIT (BHU), Varanasi.
- [8] “Training Program on Tools for Scientific Documentation: LaTeX, JobRef, DocEar and Other Open-Source Software”, held during February 05-16, 2018, organized by DST-CIMS, Banaras Hindu University, Varanasi.
- [9] One-week Faculty Development Program on “Innovative Teaching Methodologies in Technical Education”, held during September 24-28, 2019, organized by the Department of Management Studies, JCBUST, YMCA, Faridabad.
- [10] One-week short-term course on “Emerging Trends in Data Science and its Application”, held during November 11-15, 2019, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [11] One-day workshop on “Outcome Based Education and Attainment”, held on December 06, 2019, at J. C. Bose University of Science & Technology, YMCA, Faridabad.
- [12] Two-day workshop on “Mathematical Modeling & Simulation” to celebrate the National Mathematics Day on January 28-29, 2020, sponsored by Haryana State Council for Science, Innovation & Technology, organized by Department of Mathematics, JCBUST, YMCA, Faridabad.
- [13] “NPTEL Workshop” held on January 31, 2020, organized by IIT Madras, at JCBUST, YMCA, Faridabad.
- [14] Faculty Development Programme on “Moodle Learning Management System”, held during March 28 – June 30, 2020, organized by Patna Women's College with course material provided by Spoken Tutorial Project, IIT Bombay.
- [15] Two-week course on “Digital Transformation in Teaching Learning Process”, held during April 06-22, 2020, organized by TEQIP Online Certification, funded by Ministry of HRD, Govt. of India.
- [16] One-day webinar on “Current trends in Information Technology”, held on May 15, 2020, organized by the Department of Computer Science in Collaboration with the Department of Mathematics, Bharati College, University of Delhi.
- [17] “Online Faculty Development Programme on “Moodle LMS: Exploring New Horizons of Teaching-Learning”, held during May 15-21, 2020, organized by the Department of MCA & Computer Science, Patna Women's College in association with Remote Learning through Spoken Tutorial, IIT, Mumbai.
- [18] One-day webinar on “Application of Mathematics in Engineering”, held on May 27, 2020, organized by the Department of Applied Sciences and Humanities, IIMT College of Engineering, Greater Noida.
- [19] One-day webinar on “Project Based Learning: A Different Way to Explore Engineering” held on May 28, 2020, organized by the School of Engineering and Technology, Central University of Haryana, Mahendergarh.
- [20] “2020 International workshop on Education 4.0: Transformation of Learning Environment”, held during May 29-30, 2020, organized by Rajkiya Engineering College, Banda, in collaboration with Consilio Intelligence Research Lab, Noida.
- [21] One-week online Faculty Development Programme on “Research in Modern Era”, held during June 01-05, 2020, organized by the Department of Mechanical Engineering, JCBUST, YMCA, Faridabad.

- [22] One-day webinar on “Use of ICT in Good Governance”, held on June 7, 2020, jointly organized by the Department of Electrical Engineering & Institution's Innovation Council, Rajkiya Engineering College, Banda.
- [23] Three-day international webinar on “General Mathematical Tools in Research: Theory and Applications”, held during June 15-17, 2020, organized by the Department of Mathematics, Faculty of Engineering and Computer Sciences, Teerthanker Mahaveer University, Moradabad.
- [24] Two-week workshop on “Scientific Computing using MATLAB and PYTHON (SCMP-2020)”, held during September 07-18, 2020, organized by the Department of Computer Engineering and Department of Mathematics, JCBUST, YMCA, Faridabad under the aegis of TEQIP-3.
- [25] Expert talk on “The Legacy of Srinivasa Ramanujan” to celebrate the National Mathematics Day-2020 on December 22, 2020, sponsored by Haryana State Council for Science, Innovation & Technology, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [26] Short-term course on “Optimization Techniques and Stochastic Process”, January 20-21, 2021, Department of Mathematics, JCBUST, YMCA, Faridabad.
- [27] Advanced Instructional School (AIS) on “Fractional Differential Equations: Theory and Computations”, held on Dec 12-24, 2022, organized by South Asian University, New Delhi, funded by National Centre for Mathematics: A joint centre of TIFR and IIT Bombay.
- [28] Two-weeks Faculty Development Programme on “Computer Algebra System”, held during March 22 – April 03, 2023, organised by IQAC, Ramjas College, University of Delhi, in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.
- [29] Four-week Faculty Induction/Orientation Programme for “Faculty in Universities/ Colleges/ Institutes of Higher Education”, held during April 23, 2023 – May 22, 2023, organized by Teaching Learning Cell, Ramanujan College, University of Delhi, in collaboration with Army Institute of Education (AIE), Greater Noida affiliated to Guru Gobind Singh Indraprastha University, Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
- [30] Inaugural Ceremony of Faculty Induction Programme “NEP 2020: Pedagogical Imperatives of Higher Education, held on December 01, 2023, organized by the University of Delhi.
- [31] One-week Pedagogical Training for Mathematics Teachers (PTMT) 2023 on “Linear Algebra”, held during December 11, 2023 – December 16, 2023, organized by Central University of Tamil Nadu, Thiruvavur, Tamil Nadu.
- [32] National Mathematics Week (the occasion of 136th Birth Anniversary of Srinivasa Ramanujan), held during December 18-24, 2023, organized by Department of Mathematics, PGDAV College, University of Delhi.
- [33] Two-day “Guest Lecture Series on Applied Mathematics: Theory and Applications”, held on March 15-16, 2024, organized by the Department of Mathematics, PGDAV College, University of Delhi.
- [34] One-day workshop on International Mathematics & Pi Day, held on March 28, 2024, organized by the Department of Mathematics, South Asian University, New Delhi
- [35] Two-Week Refresher Course in Mathematics: Foundation Course in Vedic Mathematics”, held during March 31-April 13, 2024, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Malaviya Mission Teacher Training Programme.
- [36] Two-week online Teacher Enrichment Workshop on “Elements of Data Management and Analytics”, held during April 1-13, 2024, organized by the Department of Mathematics, Jaypee Institute of Information Technology, Noida.
- [37] Two-Week Instructional School for Teachers on “Partial Differential Equations and their Applications to Image Processing”, held during June 03-15, 2024, organized by IIT Mandi, Mandi.
- [38] One-week Faculty Development Programme on “Ancient Indian Mathematics” held during July 01 - 07, 2024, organized by the Indian Knowledge System (IKS) Division of the Ministry of Education, Govt. of India in collaboration with Aryabhata College, University of Delhi, New Delhi.
- [39] One-Day National Workshop on “Stochastic Calculus and Mathematical Finance” held on October 18, 2024, organized by Department of Mathematics, Rajdhani College, University of Delhi, New Delhi under DST-SERB SSR Scheme.

- [40] Two-week program on “NEP 2020 Orientation & Sensitization Programme” held during November 19 - 24, 2024, organized by Centre for Professional Development in Higher Education (UGC-MMTTC), University of Delhi under Malaviya Mission Teachers Training Programme (MM-TTP) of University Grants Commission (UGC).
- [41] One-week Teacher Enrichment Workshop on “Partial Differential Equations and Their Applications”, held during December 09-14, 2024, organized by the Department of Mathematics, Jamia Millia Islamia University, New Delhi.
- [42] Instructional Schools for Teachers (IST) on “Mathematical Foundation for Data Science and Machine Learning using MATLAB”, Held during June 02-14, 2025, organized by IIIT Naya Raipur.

Participation:

- [1] Presented a poster in the poster competition organized by the Department of Mathematics, M. B. Govt. P.G. College, Haldwani, Nainital.
- [2] “National Meet on Celebration of National Year of Mathematics – 2012”, Organized by the Department of Education in Science and Mathematics, NIE Campus, NCERT, New Delhi, from December 20-22, 2012.
- [3] Presented a poster entitled “**Numerical Solution of Space Fractional Order Solute Transport System**” on Institute Day during April 2-3, 2016 at IIT (BHU), Varanasi.
- [4] Presented a poster entitled “**Numerical Solution of Two-dimensional Solute Transport System using Operational Matrices**” on Institute Day during February 16-18, 2018 at IIT (BHU), Varanasi.
- [5] Participated in “National Level Quiz cum Awareness Programme on Covid-19” on May 28, 2020, and secured 70% Marks. The online quiz was organised by the Department of Mathematics, Govt. Tulsi College, Anuppur (M.P.). Certificate Id: EDD8KW-CE000148.
- [6] Attended the “Inaugural Ceremony of Faculty Induction Programme NEP 2020: Pedagogical Imperatives of Higher Education”, organized by the University of Delhi on Friday, December 01, 2023.

Invited Talk/Lecture:

- [1] An invited lecture titled “Numerical Scheme in Groundwater Contamination” in the International Workshop on “Numerical Methods in ODEs/PDEs & Computational Intelligence on March 20, 2024, organized by the Department of Mathematics, KS Saket PG College, Ayodhya, from March 18-22, 2024.
- [2] An invited talk titled “Approximate Solution of Space Fractional Kuramoto-Sivashinsky Equation” in the Annual Conference of ISMMACS and International Conference on Differential Equations: Theory, Computation and Applications, organized by the Department of Mathematics, South Asian University, New Delhi, from November 29 – December 01, 2024.
- [3] An invited lecture titled “Numerical Analysis of Multidimensional Transport Equation in Porous Media” in the seminar on “Srinivasa Ramanujan and His Contributions”, organized by the Department of Mathematics, South Asian University, New Delhi, on December 19, 2024.
- [4] Chaired the special session in the seminar on “Srinivasa Ramanujan and His Contributions”, organized by the Department of Mathematics, South Asian University, New Delhi, on December 19, 2024.
- [5] An invited talk titled “Transport Equation in Porous Media” in Two-Week Teacher Enrichment Workshop (TEW) on “Differential Equations and its Applications”, organized by the Department of Mathematics, Jaypee Institute of Information Technology, Noida, from April 16 - 29, 2025.

Position of Responsibility:

- [1] President of the Department of Mathematics during M.Sc. (Mathematics).
- [2] Member of Hostel Executive Committee (HEC), IIT (BHU), Varanasi.
- [3] Member of Judgement Committee in the quiz competition Quiz-O-Maths on September 12, 2019, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [4] Member of organizing team of Math Fest’19 on September 12, 2019, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [5] Member of organizing committee in the short-term course on “Emerging Trends in Data Science and its Application”, November 11-15, 2019 Department of Mathematics, JCBUST, YMCA, Faridabad.

- [6] Co-Ordinator of the two-day workshop on “Mathematical Modeling & Simulation” to celebrate the National Mathematics Day on January 28-29, 2020 sponsored by Haryana State Council for Science, Innovation & Technology, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [7] Member of organizing committee in the two-week workshop on “Scientific Computing using MATLAB & PYTHON”, September 07-18, 2020, Department of Mathematics, JCBUST, YMCA, Faridabad.
- [8] Organizing Co-coordinator of expert talk on “The Legacy of Srinivasa Ramanujan” to celebrate the National Mathematics Day-2020 on December 22, 2020, sponsored by Haryana State Council for Science, Innovation & Technology, organized by the Department of Mathematics, JCBUST, YMCA, Faridabad.
- [9] Member of organizing committee in the short-term course on “Optimization Techniques and Stochastic Process”, January 20-21, 2021, Department of Mathematics, JCBUST, YMCA, Faridabad.
- [10] U.G. class coordinator at Department of Mathematics, JCBUST, YMCA, Faridabad.
- [11] Department website coordinator at Dept. of Mathematics, JCBUST, YMCA, Faridabad.
- [12] Department MOOC co-coordinator at Department of Mathematics, JCBUST, YMCA, Faridabad.
- [13] Department Annual Report coordinator at Department of Mathematics, JCBUST, YMCA, Faridabad.
- [14] Member of Admission Committee of U.G. & P.G. at Department of Mathematics, JCBUST, YMCA, Faridabad.
- [15] Organizing Member of CONFLUENCE’23, held on March 25, 2023, organized by the ANANT-The Mathematical Society of PGDAV College, University of Delhi.
- [16] Organizing Member of SPECTRUM’23: The Annual Mathematics Fest on April 13, 2023, organized by the ANANT-The Mathematical Society of PGDAV College, University of Delhi.
- [17] Member of the NAAC Committee, for the “Academic Year 2023-24”, PGDAV College, University of Delhi, New Delhi.
- [18] Member of the Discipline and IT Infrastructure Committee, for the “Academic Year 2023-24 & 2024-25”, PGDAV College, University of Delhi, New Delhi.
- [19] Teacher Coordinator of Paper Presentation Competition on National Mathematics Week (the occasion of 136th Birth Anniversary of Srinivasa Ramanujan), held during December 18-24, 2023, organized by Department of Mathematics, PGDAV College, University of Delhi.
- [20] Co-convener of the two-day “Guest Lecture Series on Applied Mathematics: Theory and Applications” held on March 15-16, 2024, organized by the Department of Mathematics, PGDAV College, University of Delhi.
- [21] Organizing Member of CONFLUENCE’24: The Alumni Meet & SPECTRUM’24: The Annual Mathematics Fest on April 15, 2024, organized by the ANANT-The Mathematical Society of PGDAV College, University of Delhi.
- [22] Member of the Judgement Committee in the KING’S GAMBIT competition in SPECTRUM’24- The Annual Mathematics Fest on April 15, 2024, organized by the ANANT-The Mathematical Society of PGDAV College, University of Delhi.
- [23] Co-convener of the one-day workshop on “Machine Learning with R” held on November 16, 2024, organized by the Department of Mathematics, PGDAV College, University of Delhi.
- [24] Teacher Coordinator of Paper Presentation Competition on National Mathematics Week (the occasion of 137th Birth Anniversary of Srinivasa Ramanujan), held on December 22, 2024, organized by Department of Mathematics, PGDAV College, University of Delhi.
- [25] Co-Convener of the Placement Cell, for the “Academic Year 2025-26”, PGDAV College, University of Delhi, New Delhi.
- [26] Member of the Anti-Ragging Committee, for the “Academic Year 2025-26”, PGDAV College, University of Delhi, New Delhi.

Project Profile:

Project I: RECENT DEVELOPMENT IN FLUID DYNAMICS

Duration -06 months | **Team Size-1** | **Type-Degree Project**

Description: It is a biological project that clarifies the importance of fluid dynamics in blood circulation. The objective is to develop a comprehensive theory that elucidates the role of fluid dynamics in aerodynamics, hydrodynamics, electrostatics, capillarity, and other related fields.

Current Research:

Solute transport phenomena in porous media, Approximate Analytical and Numerical Methods, Solutions of standard, as well as fractional order linear and nonlinear problems, Linear/Nonlinear Diffusion Equation, Fractional Calculus.

Awards and Honors:

- Graduate Aptitude Test in Engineering (GATE) in Mathematics, 2012.
- CSIR Research Associate Fellowship 2019-20.

Member:

- Lifetime member of “INDIAN SOCIETY FOR MATHEMATICAL MODELING AND COMPUTER SIMULATION (ISMMACS)”.

Achievements:

- Won 1st PRIZE in degree project during M.Sc. II-year in 2011.
- Won 1st PRIZE in Poster-Presentation during M.Sc. I-year in 2010.

Software Skills:

- *Programming Language:* C/C++, R, PYTHON.
- *Software Package:* MATLAB, MATHEMATICA.
- *Typesetting Software:* MS-Office, LaTeX, LyX.
- *Operating Systems:* Windows, Unix/Linux (Ubuntu & Fedora).

DECLARATION:

I hereby certify all the information provided here is correct to the best of my knowledge.

Place: New Delhi

Date:

Shubham Jaiswal