



Title	Dr.	First Name	NITESH	Last Name	KUMAR	Photograph
Designation	ASSISTANT PROFESSOR					
Address	Department of Mathematics, Shivaji College, University of Delhi, New Delhi, Raja Garden-110027					
Office Phone No.						
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Web-Page						
Educational Qualifications	M.Sc., Ph.D.					
Degree	University/Institute				Year	
Ph.D.	University of Delhi				2026	
M.Phil./M.Tech.						
PG	IIT Gandhinagar				2016	
UG	University of Delhi				2014	
Any Other Qualification	CSIR-NET				2015	
Career Profile						
Working as an Assistant Professor in Shivaji College from August, 2018.						
Administrative Assignments						
- Member of NSS - Member of NAAC						

• Member of Placement Cell • Member of Canteen Committee • Member of Admission Committee • Member of Women Development Cell • Member of Examination Centre • Member of Development Committee • Member of Student Advisory Committee
Areas of Interest/Specialisation
Celestial Mechanics, Non-linear Dynamics
Subjects Taught
• Real Analysis • Group theory-I • Group theory-II • Ring theory and linear algebra-II • Mathematical Finance • Ring theory and linear algebra-I • Elementary real analysis • Riemann integration • Algebra
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (Research Papers/Books)
1. Vinay Kumar and Nitesh Kumar. Unveiling the Attracting Regions in Photogravitational Four-Body Problem Including the Effect of Asteroids Belts. Astronomy Reports 67.6 (2023): 667-683. 2. Vinay Kumar and Nitesh Kumar. Investigating Attraction Zones in the Photogravitational FourBody Problem: Effects of Asteroid Belt and Small Perturbations in Coriolis and Centrifugal Forces. Kinematics and Physics of Celestial Bodies, 2024, Vol. 40, No. 2, pp. 88–104. 3. Sumit Kumar; Bhavneet Kaur; Mukesh Kumar; Kumar, Nitesh. Equilibrium and stability in Robe’s restricted problem with a line segment and modified potential. Astrophysics and Space Science 371, no. 5 (2026): 55. 4. Vinay Kumar; Rajiv Aggarwal; Kumar, Nitesh. Analysis of Basins of Attraction in the Pseudo-Newtonian Photogravitational Restricted Four-Body Problem with Asteroid Belt Effects. Kinematics and Physics of Celestial Bodies 42.2 (2026): 80-100.
Conference/Seminar/Faculty Development Programme/Workshop

Conferences

- Presented a paper titled “Unveiling the Attracting Regions in Photogravitational Four-Body Problem Including the Effect of Asteroids Belts” in the International Conference on analysis and its application organised by Shivaji College, University of Delhi from 27/02/2023-28/02/2023 (ICAA-23).
- Presented a paper titled “Investigating Attraction Zones in the Photogravitational Four-Body Problem: Effects of Asteroid Belt and Small Perturbations in Coriolis and Centrifugal Forces” in the International Conference on advances on pure and applied mathematics organised by Shyam Lal College from 08/02/2024-10/02/2024 (ICAPAM-24).
- Presented a paper titled “Investigating Attraction Zones in the Pseudo-Newtonian Photogravitational Four-Body Problem under the effect of Asteroids Belt” in the International Conference on advances on pure and applied mathematics organised by Shyam Lal College from 08/02/2024-10/02/2024 (ICAPAM-24).
- Participated in the International Conference on ‘Resurgent Bharat on the Global Canvas’ (25 February - 26 February, 2024) organised by Shaikshik Foundation in collaboration with Shivaji College, University of Delhi.
- Presented paper titled “Unveiling the attracting Zones in the Photogravitational Four-Body Problem with Yukawa correction: Including the effects of Asteroids Belt” in the Annual Conference of ISMMACS and International Conference on Differential Equations: Theory, Computation and Applications organised by the Department of Mathematics, South Asian University, New Delhi, during 29 November - 1 December, 2024.

FDPs

- Participated in the FDP on “Dimensions of Research: From Literature Review to Data Analysis” organised by Shivaji College from 04/12/2023-09/12/2023.
- Participated in the Faculty Induction Program organised by Teaching learning center of Ramanujan College from 21/02/2024-19/03/2024.
- Participated in two weeks REFRESHER COURSE IN MATHEMATICS “Foundation Course in Vedic Mathematics” organized during 31 March - 13 April, 2024 organised by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION MALAVIYA MISSION TEACHER TRAINING PROGRAMME.
- Participated in Refresher Course entitled, “Mathematics and Its Applications” organized by Department of Mathematics, Assam University, Silchar under the aegis of Malaviya Mission Teacher Training Centre (MMTTC), Assam University, Silchar during December 29, 2025 to January 12, 2026.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

UG Dissertations

- Shaswat Kumar Mishra
- Mahak Patwal

Awards and Distinctions

Received Institute's gold medal for securing highest CPI in M.Sc. Mathematics from IIT Gandhinagar.

Memberships**Other Academic Activities****Cultural/ Extracurricular Activities**

Signature of Faculty Member