




CV Proforma for College website

Title	Mr.	First Name	Ashutosh	Last Name	Rajput	Photograph
Designation		Assistant Professor				
Address		Department of Mathematics, Indraprastha College for Women, University of Delhi, 31, Sham Nath Marg, Civil Lines, Delhi – 110054.				
Mobile		+91 8130684617				
Email		ashuhrc14@gmail.com ashutosh@ip.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
B.Sc.(hons.) Mathematics		P.G.D.A.V.(EVE.) College			2014	
M.Sc. Mathematics		Hansraj College			2017	
Master of Philosophy		Department of Mathematics, University of Delhi			2021	
Doctor of Philosophy		Department of Mathematics, University of Delhi			Pursuing	
Career Profile						
Assistant Professor, Department of Mathematics, IP College for Women, University of Delhi					September/2023 – Permanent	
Assistant Professor, Department of Mathematics, Deshbandhu College, University of Delhi					January/2021 – September/2022	
Assistant Professor, Department of Mathematics, Rajdhani College, University of Delhi					September/2019 – May/2020 December/2022 – September/2023	
Assistant Professor, Department of Mathematics, Maitreyi College, University of Delhi					July/2018 – May/2019	

Assistant Professor, Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi		February/2018 – May/2018
Administrative Assignments		Year
1.	Organized and participated in a Teacher's Enrichment Workshop on "Differential Equations and its Applications", organized by the Department of Mathematics, Deshbandhu College, University of Delhi	September, 2021
2.	Organized and participated in a one-Week Online Interdisciplinary Faculty Development Programme on "Graph Theory and its Applications", organized by Deshbandhu College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Center Hansraj College, University of Delhi under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNTT)	March, 2021
3.	Actively worked in the Cultural committee of Deshbandhu College.	2021-2022
4.	Actively worked in the NAAC – SSR committee of Deshbandhu College.	2021-2022
Areas of Interest / Specialization		
Aol: Algebra, Real Analysis Specialization: Non-linear Dynamical Systems, Differential Equations		
Subjects Taught		
<i>Pure Mathematics</i>	<i>Applied Mathematics</i>	<i>Technical Subjects</i>
Group Theory I & II	Numerical Methods	Mathematica
Real Analysis	Differential Equations	R Software
Linear Algebra		Latex
Research Guidance		
Publications Profile in APA Format		
S. No	PAPERS	INDEXING
1.	Ashutosh Rajput , Mohammad Sajid, Tanvi, Chandra Shekher, Rajiv Aggarwal, (2021): Optimal control strategies on COVID-19 infection to bolster the efficacy of vaccination in India, <i>Scientific Report</i> , 11(20124).	Web of Science, Scopus
2.	Tanvi, Rajiv Aggarwal, Ashutosh Rajput and Mohammad Sajid, Modeling the Optimal Interventions to Curtail the Cluster Based Covid-19 Pandemic in India: Efficacy of Prevention Measures, <i>Applied and Computational Mathematics: An International Journal</i> , Vol. 20 (2021).	ISI SCI, Scopus

3.	Tanvi, Mohammad Sajid, Rajiv Aggarwal and Ashutosh Rajput , Assessing the Impact of Transmissibility on a Cluster-Based COVID-19 Model in India, <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , Vol.12, p. 2141002 (2020).	Emerging Sources citation index, Scopus
4.	Tanvi, Rajiv Aggarwal and Ashutosh Rajput , Estimation of Transmission Dynamics of COVID-19 in India: The Influential Saturated Incidence Rate, <i>Applications and Applied Mathematics: An International Journal</i> , Vol. 15 (2020).	Emerging Sources citation index
5.	Ashutosh Rajput , Tanvi, Rajiv Aggarwal et al., Fractional Order on Modeling the Transmission of Devastative Covid-19 Infection: Efficacy of Vaccination, <i>Applications and Applied Mathematics: An International Journal</i> , Vol. 18, 2023.	Emerging Sources citation index
Conference Organization/ Presentations		Dates
1.	Presented a paper entitled “Mathematical Modeling on Infectious Diseases by Incorporating Optimal Control Strategies” in the 21st International Symposium on Mathematical and Computational Biology (BIOMAT 2021) .	November 01- 05, 2021
2.	Presented a paper entitled “A Mathematical Model of COVID-19 in India: Assessing the Influence of Non - medicinal Strategies” in the 20th International Symposium on Mathematical and Computational Biology (BIOMAT 2020) .	November 01- 06, 2020
3.	Presented a paper entitled “Analysis of tuberculosis model with saturated incidence rate and optimal control” in the International Conference on Recent Trends in Mathematics and Its Applications to Graphs, Networks and Petri Nets (ICRTMA-GPN-2020) organized by Jawaharlal Nehru University.	July 20- 24, 2020
4.	Presented a paper entitled “Global Stability and Optimal Control for a Tuberculosis Model with Vaccination and Treatment” in a seminar organized by the Department of Mathematics, University of Delhi.	September 28, 2020
5.	Attended an International Conference on Physics, Society and Technology organized by the Department of Physics, Deshbandhu College, University of Delhi.	January 17-19, 2020
Research Projects (Major Grants/Research Collaboration)		
Awards and Distinctions		
Association with Professional Bodies		

Signature of Faculty Member