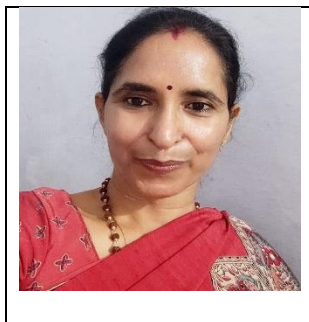


## CURRICULUM VITAE



**NAME** : Dr. Veena Singh  
**DESIGNATION** : Professor & Head  
**DEPARTMENT** : Mathematics  
**SPECIALIZATION** : Categorical Fuzzy Topology  
**EMAIL ID** : veenasingh1907@gmail.com  
**MOBILE** : 9415200733  
**BLOOD GROUP** : B+

### QUALIFICATION DETAILS

S.NO.	QUALIFICATION	NAME OF UNIVERSITY	PASSING YEAR
1	Ph.D.	B.H.U., Varanasi	2012
2	M.Sc. / M.A.	B.H.U., Varanasi	1993
3	B.Sc. / B.A.	B.H.U., Varanasi	1991

### POSITIONS HELD

S.NO.	EMPLOYER	DESIGNATION	DATE FROM	DATE TO
1.	Banasthali Vidyapith	Lecturer	31.08.1994	03.01.2001
2.	M.L.K. (P.G.) College	Lecturer/Asst. Prof.	06.01.2001	05.01.2015
3.	M.L.K. (P.G.) College	Associate Professor	06.01.2015	31.10.2021
4.	M.L.K. (P.G.) College	Professor	01.11.2021	Till date

## ACADEMIC DETAILS

### Significant Publications and Articles

S.NO.	TITLE	JOURNAL	VOLUME / ISSUE	YEAR
1	On a Corefective hull in L-Top	Fuzzy Sets and Systems	159	2008
2	On some corefective hulls in BFTS	Quaestiones Mathematicae	33	2010
3	The corefective hull of $L_D$ in L-Top	Journal of Fuzzy Mathematics	19/3	2011
4	On corefective hulls in $[0,1]$ -Top and $s[0,1]$ -Top	Quaestiones Mathematicae	36	2013
5	The corefective hull of Fuzzy Sierpinski Space in C-FTS	Journal of Emerging Technologies and Innovative Research	2/7	2015
6	On a corefective hull of a Zero-Dimensional Fuzzy Space in C-FTS	International Journal of Trend in Scientific Research and Development	2/1	2017
7	Numerical accuracy of Simpson's Three-Eighth rule	International Journal of Creative Research Thoughts	5/1	2017
8	Estimation of error in Runge-Kutta fourth order method	Journal of Emerging Technologies and Innovative Research	5/2	2018
9	Estimation of error in Runge-Kutta Fehlberg's method	Journal of Emerging Technologies and Innovative Research	5/7	2018
10	Numerical accuracy of Trapezoidal rule	Journal of Environmental Science Computer Science and Engineering and Technology	9/4	2020
11	Numerical accuracy of Simpson's one third rule	Journal of Environmental Science Computer Science and Engineering and Technology	10/1	2021
12	Numerical accuracy of Boole's rule in the evaluation of $\int_0^1 2^x dx$	The journal of Oriental Research Madras	XCII-LXXVIII	2021
13	On some Hereditary corefective subcategories in Fuzzy Topology	Design Engineering	6	2021
14	Corefectivity and the category of Meet-complete fuzzy topological spaces	Efflatounia	5/3	2021

## PUBLICATIONS

### OTHER THAN JOURNAL ARTICLES (BOOKS, CHAPTERS IN BOOKS)

S.No.	Title of Book or chapter with page no.	Publisher Detail	Year	ISBN No.	Total No of authors
1.	A Textbook of Algebra and Trigonometry	Vandana Prakashan, Gorakhpur	2019	978-81-925063-0-2	6
2.	A Textbook of Calculus	Vandana Prakashan, Gorakhpur	2019	978-93-86201-00-3	6
3.	A Textbook of Differential equations	Vandana Prakashan, Gorakhpur	2019	978-81-925063-9-5	6
4.	A Textbook of Analytical Geometry	Vandana Prakashan, Gorakhpur	2019	978-93-86201-01-0	5
5.	A Textbook of abstract algebra	Vandana Prakashan, Gorakhpur	2019	978-81-925063-5-7	6
6.	A Textbook of Real Analysis	Vandana Prakashan, Gorakhpur	2019	978-81-925063-6-4	6
7.	A Textbook of advanced calculus and Numerical Analysis	Vandana Prakashan, Gorakhpur	2019	978-81-925063-7-1	6
8.	A Textbook of Mechanics	Vandana Prakashan, Gorakhpur	2019	978-93-86201-05-8	6
9.	A Textbook of Metric Spaces	Vandana Prakashan, Gorakhpur	2019	978-93-86201-02-7	6
10.	A Textbook of function of a Complex variable, integral transform and Calculus of Variations	Vandana Prakashan, Gorakhpur	2019	978-93-86201-03-4	6
11.	A Textbook of Differential Geometry and Tensors	Vandana Prakashan, Gorakhpur	2019	978-81-927-601-4-8	6
12.	A Textbook of Mechanics	Vandana Prakashan, Gorakhpur	2019	978-93-86201-04-1	6
13.	A Textbook of Differential Calculus	Vandana Prakashan, Gorakhpur	2021	978-81-951597-2-8	7
14.	A Textbook of Integral Calculus	Vandana Prakashan, Gorakhpur	2021	978-81-951497-8-0	7
15.	A Textbook of Differential Calculus	Kanha Publishing House	2022	978-81-955010-9-0	5
16.	A Text Book of Matrices and Differential Equations	Kanha Publishing House, Gorakhpur	2022	978-81-951497-9-7	6
17.	A Text Book of Geometry	Vandana Prakashan, Gorakhpur	2022	978-81-951497-7-3	7
18.	A Text Book of Matrices and Differential Equations	Vandana Prakashan, Gorakhpur	2022	978-81-951497-9-7	7
19.	A Text Book of Algebra	Vandana Prakashan, Gorakhpur	2022	978-93-91245-02-3	7
20.	A Text Book of Mathematical Methods	Vandana Prakashan, Gorakhpur	2022	978-93-91245-01-6	7
21.	Differential Calculus	Krishna Prakashan, Meerut	2022	978-93-91152-06-2	6
22.	Integral Calculus	Krishna Prakashan, Meerut	2022	978-93-91152-07-9	8

23	Algebra	Krishna Prakashan, Meerut	2022	978-93-91152-06-2	8
24	Mathematical Methods	Krishna Prakashan, Meerut	2022	978-93-94511-05-7	6

### **Conferences, Seminars, Workshops & Talks**

S.NO.	DETAILS	YEAR
1	9 <sup>th</sup> Annual Conference of Rajasthan Ganita Parishad, Banasthali Vidyapith	1997
2	Workshop on Industrial Mathematics and Computing, Dr. B.R. Ambedkar University, Agra	1999
3	Short Training Course on LaTeX, School of Biotechnology, B.H.U.	2005
4	XXI Annual Conference of the Mathematical Society, B.H.U.	2006
5	XXII Annual Conference of the Mathematical Society, B.H.U.	2006
6	National conference on modern Analysis and Allied Areas, B.H.U.	2007
7	National Conference on Resource Exploitation development, development and Environment Change, ANDKPG College, Babhnan, Gonda	2010
8	XIX Annual seminar on Prithvi Parva, Dr. RML Smarak Degree college, Muzaffarpur	2011
9	National Workshop on Graph Theory and its Applications, B.H.U.	2011
10	National seminar on environment, Quality of life and Eco-Development, M.L.K.(P.G.) College, Balrampur	2012
11	Talk on Coreflective hulls in Fuzzy Topological spaces, SBMPG College, Kushinagar	2013
12	National Seminar on Higher Education, Mumtaz P.G. College, Lucknow	2016
13	National Seminar on A Blueprint of Sustainable Development for Purvanchal (U.P.), D.D.U. Gorakhpur University, Gorakhpur	2017
14	FDP of Soft Computing Approaches and its Applications, I.E.T., Lucknow	2018
15	Talk on Elementary Transformations and their Applications, Dev Indrawati College, Tanda, Ambedkar Nagar	2019
16	National Conference on Recent Trends in Mathematics with Applications, SRM University, Lucknow	2019
17	Talk on Graph Theory and its Applications, Dev Indrawati College, Tanda, Ambedkar Nagar	2019
18	National Conference on Local Environmental Changes Have Global Effects, M.L.K.(P.G.) College, Balrampur	2019

19	National Seminar on NAAC Evaluation Process and Importance, M.L.K.(P.G.) College, Balrampur	2019
20	National Seminar on Biodiversity and Development: Challenges of 21 <sup>st</sup> Century, M.L.K.(P.G.) College, Balrampur	2019
21	Talk on Hahn-Banach Theorem and its Applications, Dev Indrawati College, Tanda, Ambedkar Nagar	2020
22	Talk on Linear Algebra and its Applications, Dev Indrawati College, Tanda, Ambedkar Nagar	2020
23	International Workshop on New Trends in Fuzzy and Rough Set Theory and its Applications, Manipal University, Jaipur	2020
24	Workshop on Advantages of new Education Policy in the Indian Context, BT Kumaon Institute of Technology, Dwarahat, Almora	2020
25	One Week National Workshop on Vedic Ganit, C.V.S., B.H.U.	2020
26	International lecture Series on Wavelet Theory and Image Processing, Al Ameen College, Edathala	2021
27	Workshop on Use of ICT in Teaching, M.L.K.(P.G.) College, Balrampur	2021
28	FDP on The Role of Linear Algebra in machine learning, Artificial Intelligence & Data Science, Mahatma Gandhi Institute of Technology, Hyderabad	2021
29	National Seminar on Research Methodology, IQAC, M.L.K.(P.G.) College, Balrampur	2022
30	Short Term Course on Recent Development in numerical methods for Partial differential Equations, N.I.T., Hamirpur	2022
31	Workshop on Multi-disciplinary Education, HRDC, DDU Gorakhpur University	2022
32	Workshop on CUET, HRDC, DDU Gorakhpur University, HRDC, DDU Gorakhpur University	2022
33	Workshop on The Academic Bank of credit, HRDC, DDU Gorakhpur University	2022
34	Workshop on Good Academic Practices/ Academic research Integrity, HRDC, DDU Gorakhpur University	2022
35	FDP on recent trends of Mathematics for Engineers and Scientists, Ganpat University, Gujarat	2022
36	One Week Workshop on Latex, Kisan P.G. College, Bahraich	2022

## **AWARDS/FELLOWSHIPS & RECOGNITIONS**

S.No.	NAME OF AWARDS	YEAR
1	R.B. Munshi Shiva Prasad Medal for standing first at the B.A./B.Sc. (Hons) III Examination, 1991	1992
2	Junior Research Fellowship	1993
3	B.H.U. Medal for standing first in Mathematics at the M.A.& M.Sc. (Final) Examination, 1993	1996
4	Dr. S.C. De Medal for standing first in Mathematics at the M.A. & M.Sc. Exam., 1993	1996
5	The Chancellor's Medal for securing the highest percentage of marks at the M.A. & M.Sc. Exam., 1993	1996
6	Teacher Fellowship (Under F.I.P. of U.G.C.)	2005
7	Shikshak Samman for contribution to Syllabi under NEP2020	2021

## **Academic / Administrative Services to the College / University**

S.No.	DETAILS
1	Member of Board of Studies, Mathematics, RML Avadh University, 2007-2008
2	Member of Board of Studies, Mathematics, Siddharth University, 2015-2019
3	Convener of Board of Studies, Mathematics, Siddharth University, 2019- till date
4.	Member of Academic Council, Siddharth University, 2020- till now
5	Head, Department of Mathematics, 2019—till date
6	Member of Anti-Ragging Committee, 2010--2021
7	Member of Anti-Sexual Harassment Cell, M.L.K.(P.G.) College, Balrampur, 2016—till date
8	Warden of Girls' Hostel, M.L.K.(P.G.) College, Balrampur, 2014--2021

## **RESEARCH GUIDANCE**

S.No.	NAME OF RESEARCH SCHOLAR	TOPIC	STATUS / YEAR
1	Shivam Singh	On Some fuzzy mathematical Structures and their Categorical Aspects	2021
2	Surendra Kumar Tewari	On Some Categorical Aspects in Fuzzy Topology	