



Faculty Details



Title	Prof.	First Name	Sarla	Last Name	Devi Bhardwaj	
Designation	Professor					
Address	Flat no 2, Dataram Apartment, Sector 18 Rohini Delhi 11008					
Phone No	Office	9810428322 (O) 0114155604 (R)			College: 01122814025, 01122814126, 01122814747	
Email/ Web-Page						
Educational Qualifications						
Degree		Institution			Year	
XII		CBSE			1981	
B.A. (P)		Delhi University			1985	
M.A.(Maths)		Delhi University			1987	
Ph.D.		Delhi University			1993	
Career Profile						
Presently working as Professor in the Department of Mathematics at Dr. Bhim Rao Ambedkar College (Delhi University).						
Administrative Assignments						
<ul style="list-style-type: none"> • Teacher-in-charge, NCWEB (University of Delhi), St. Margaret Teaching Centre, Prashant Vihar, from June 2003-June 2012 (9 Years). • Remained teacher-in-charge of the Mathematics Department of the College for several years. • In charge of Women’s Development Center (WDC) in college and chairperson of the sexual harassment committee of the college for four years. • Worked as NSS coordinator of Dr. Bhim Rao Ambedkar college and organizing several programmes for the students. • Worked as Chairperson of Local Complaint Committee North East District Delhi. • Worked as Member Delhi University Committee of World University Service. • Worked as Delhi University CBCS Convenor in the college. • Worked as Time table committee and Canteen committee convenor of the college. • Member, Governing Body of B.R. Ambedkar College from 22.08.2003 to 22.08.2004 and 22.08.20-22.08.21. • Hold the post of Convenor / Member of Student’s Union Advisory Committee almost every year of the college. • Remained Assistant Coordinator of IGNOU center at B.R. Ambedkar College for 6 months. • Remained Deputy Superintendent for annual examination at B.R.A.C for regular students. 						

- Convenor, Purchase Committee, Sports Committee, Canteen Committee and Library Committee of the College, and member of different committees, in different years.
- Elected President, staff association of the college (1997-98).
- Worked as the founder secretary of Alumni Club, of the college for 5 years, 2003 to 2007.
- Convenor of the syllabus committee of Delhi University FYUP, for CBCS System and for LOCF systems.
- Chairperson of ICC committee of the college from May 2016 to May 2019.
- Worked as Member of Faculty of Mathematical Sciences Delhi University from 2017 to 2020.
- Elected President, Data Ram Co-operative Group Housing Society, Sec-18, Rohini for 4 years.
- Member, Executive Committee PTA, St. Xavier's School, Raj Niwas Marg, Delhi-54, for two years.
- President, Pandit Lachhman Singh Pyarelal Memorial Trust.
- Organized several seminars in the college on different topics where esteemed international and national mathematicians such as Prof. Raman Parimala, Prof. E. Malkowsky (Germany) Prof. Mario Goes (Germany), Prof. S.M. Maskey (Nepal) Ms. Elesa Boldone (Italy), Prof. Volkar Peckhaus (Germany), Prof. S Baghir (Germany), Prof. Geetha Venkataraman, Prof. S.C. Arora, Prof. P.K. Jain, Dr. H.C. Handa, Dr. V.K. Kapoor (Delhi University). Prof. Hukum Singh (NCERT), Prof. Shobha Bagai, Dr. Anuradha Gupta etc. were invited to deliver lectures and share their experiences.

Areas of Interest / Specialization

Subjects Taught

Research Guidance

- Supervised a Ph.D. scholar from Tribhuvan University, Nepal.

Publications Profile

Research papers

- Menstrual Hygiene Awareness and Perception among Adolescent Girls. International journal of Scientific Research (2023). Vol. 12, Issue 07 (ISSN: 2277-8179).
- Math-Mining of Bhagwad Gita and Mahabharat. Journal of Xian University of Architecture and Technology (2021). Vol. 13, Issue 12, Page no. 414-429 (ISSN: 1006-7930).
- Emotional Concerns of the Elderly During CORONA virus in India (2021). Indian Journal of Gerontology Vol. 35, Issue 02. Page No. 257-275. (ISSN: 0971-8060).
- COVID- 19: A Study of Emotions (2021). International Journal of Recent Advances in Psychology and Psychotherapy. Vol. 05, Issue 01 (ISSN: 2581-4052).
- COVID- 19 Pandemic: A Study of Sentiments (2021). Paripex Indian Journal of Research. Vol. 10, Issue 06. Page no. 13-20 (ISSN: 2250-1991).
- Package of India using Sentiments and Emotional Analysis (2021). BSSS Journal of Social Work. Vol 13, Issue 01. Page No. 81-97 (ISSN: 0975-251X).
- 'Bhagwat Geeta Mein Ganit, Ganit Mein Bhagwat geeta' (2021). Journal of Interdisciplinary Cycle Research. Vol 8, Issue 7 (ISSN: 0022-1945).

- Ram Katha me Ganitaya Tatva (2021). Anter Rashtriye Hindi evam Samajik Vighyan Shodh Patrika (Shodh Patrika.in). Vol. 9, Issue 6 (ISSN: 22348-2605).
- Health Needs of Elderly in Rural Areas of Lalitpur District in Uttar Pradesh (2016). Indian Journal of Gerontology. Vol 30, Issue 3. Page No. 322-335 (ISSN: 0971-8060).
- How does gender affect emotional Competencies (2016). Prachi journal of Psycho-Cultural Dimensions Vol 32, Issue 2. Page No. 197-200 (ISSN: 0971-7064).
- A sequence space defined by Orlicz Functions (2002). Aprox Theory and its Applications. Volume 18, Issue 4. Page No. 70-75 (ISSN: 1000-9221).
- Matrix Transformations of certain sequence spaces through matrix Product (2002). Indian J. Pure and Applied Maths. Volume 31. Page no. 1161-1166 (ISSN: 0019-5588).
- Matrix Transformation s in spaces of bounded and convergent difference sequence of order m (1997). *Analysis* (Germany). Volume 17. Page no. 87-97 (ISSN: 2196-6753).
- Sequence spaces defined by Orlicz Functions (1994). Indian J. Pure Applied Maths. Volume 25, Issue 4. Page No. 419-428 (ISSN: 0019-5588).
- Matrix Transformation s of X_p and Z_p into V_σ (1992). Indian J. Pure and Applied Maths. Volume 23, Issue 1. Page no. 39-48 (ISSN No. 0019-5588).
- Kothe Toplitz duals of certain new sequence spaces and matrix transformations (1992). Joun. Inst. Maths & Comp. Sci. (Math series). Volume 5. Page No. 67-75 (OCLC 1925-5652).
- Matrix Transformation s on non- integral quasi- convex sequence spaces (1991). Bull, Cal. Math, Soc. Volume 83, Page no. 386-393 (ISSN: 0008-0659).
- Some spaces of matrix operators (1991). Comm. Fac. Sci. Univ., Ankara, Ser-A. Volume 40. Page no. 67-74 (ISSN: 1303-5991).

Books Published

- Basics of Mathematics for Computers by Sarla Bhardwaj & Ms. Pratibha (Shri Venkateswara College, University of Delhi) by S. Chand & Co.
- Publish a book Named Jagrity on the work done during NSS program officer

Conference / Presentations /Workshops

Presentations:

- Presented a paper entitled Ram Katha mein Ganitiya Tatva in a National Seminar on 19.3.2021 organized by ICSSR.
- Presented a paper entitled Understanding health concerns of Elderly during Coronavirus Pandemic: A statistical Approach in a 1st national conference on Application of Mathematical tools in Social Sciences on 17.10.2020 organized by Zakir Hussain College, University of Delhi.
- Presented a paper entitled Innovating Mathematics teaching strategies in 8th National Conference on Teaching & Learning on 20.12.2019 organized by NCERT.
- Presented a paper entitled How Gender Affects Different Emotional Competencies in 8th International Conference on Evaluation of Modern Education System on 25.9.2016 organized by IPERA and HIBS.
- Presented a paper entitled Health Needs of Elderly in Rural Areas of Lalitpur District in Uttar Pradesh Third International Congress on International Gerontology and Geriatric Medicine 2015 on 27.11.2015 organized by INPEA.
- Presented a paper entitled Matrix Transformations in spaces of bounded and convergent difference sequence of order m on 7.1.97 at Indian Science Congress.

Invited Talks

- Delivered a lecture entitled Number System in Jeevan Shilp Inter college on 06.4.2015.
- Delivered a lecture entitled New Education Policy in Jeevan Shilp Inter college on 15.8.2020.
- Delivered a lecture entitled Protsahan in Skill India organized by Government of India on 27.4.2018.
- Delivered a lecture entitled Pedagogy of Maths etc. in Seminar for master resource person organized by SCERT, Punjab between 9th Feb 2016-10th Feb 2016.
- Delivered a lecture entitled Pedagogy of Maths etc. in Seminar for master resource person organized by SCERT, Punjab between 2nd May 2016 to 6th May 2016.
- Delivered a lecture entitled Mathematics Teaching in Capacity Building Program for key resource person organized by RIE, Ajmer between 28th Feb- 29th Feb 2016
- Delivered a lecture entitled Pedagogy of Maths etc. in Seminar for master resource person organized by SCERT, Punjab 2nd May 2016- 6th May 2016.
- Delivered a lecture entitled How to connect Probability and Statistics in Seminar for mathematics teachers organized by SCERT, New Delhi on 16th June 2014.
- Delivered a lecture entitled Set Relations and Functions in Seminar for mathematics teachers organized by SCERT, New Delhi on 12th June 2014.
- Delivered a lecture entitled Basics Statistics in Seminar for mathematics teachers organized by SCERT, New Delhi on 11th June 2014.
- Delivered a lecture entitled Mathematical games, Open book problems in Seminar for mathematics teachers organized by SCERT, New Delhi on 31th December 2013.
- Delivered a lecture entitled How to Introduce probability to school students in Seminar for mathematics teachers organized by SCERT, New Delhi on 30th December 2013.
- Delivered a lecture entitled How to introduce Algebra to Beginners in Seminar for mathematics teachers organized by SCERT, New Delhi on 28th December 2013.
- Delivered a lecture entitled Math-magic in Seminar for mathematics teachers organized by SCERT, New Delhi on 27th December 2013.
- Delivered a lecture entitled Number system in Seminar for mathematics teachers organized by SCERT, New Delhi on 26th December 2013.
- Delivered a lecture entitled N How to make Mathematics an interesting subject for the students in Seminar for mathematics teachers organized by SCERT, New Delhi on 27th April 2013.

Workshops:

- Attended six days teachers' enrichment workshop organized by National Centre for Mathematics in 2018.
- Attended 10 days Faculty Development Programme organized by Hansraj College, University of Delhi on Vedic Mathematics.
- Attended 6 days teacher's enrichment Programme organized by Dayal Singh College, University of Delhi on Interdisciplinary Studies and Higher Education Prospects and Challenges in 2021.
- Attended four refresher courses and one orientation course organized by CPDHE, University of Delhi.
- Attended teacher's enrichment Programme organized by Lady Sri Ram College, University of Delhi on Financial Mathematics: Pedagogy and Career Perspective in 2020.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

- Shakti Achievement Award - 2020

- Dr. Rajendra Prasad Award 2020
- Dr. Radhakrishnan memorial Award-2006
- Avantika National Award 2004
- Millennium National Teachers Award- 2000
- Ambassador for Peace (Universal Peace Federation)
- Awarded by Hindi Academy for the play ‘Gaddhe Ka Admi’ in 1993

Association With Professional Bodies

Other Activities

- Some of my research papers are referred in internationally reputed books, newspapers and papers of prominent mathematicians.
- Also, worked as NSS coordinator of Dr. Bhim Rao Ambedkar college during 2015 to 2017. During this time college adopted a village of Uttar Pradesh (Banpur District Lalitpur) with the coordination of Jeevan Shilp Inter College. Our students under my supervision visited village Banpur twice and work for the community.
- Organised Workshop for students of Business Economics on basic Mathematics at Delhi University South Campus namely “Back to Basics”.
- Organised “Science Academies’ Lecture Workshop in Mathematics” sponsored by Science Academies’ of India, for students of mathematics.
- Organised Self Defence Training Programme in co-ordination with Delhi Police for the girls of BRAC and NCWEB for last several years.
- Organised Blood Donation Camp in College.

At Non- Collegiate Women’s Education Board

From June 2003-June 2012, I worked as the Center In charge of NCWEB, (St. Margaret teaching Center). Apart from carrying out administrative responsibilities of the Center, I contributed from counseling of students and their parents, and improving the academic results to bringing out an overall growth through organizing self- defense training and programs related to extra-curricular activities. For the last five years, both the first and the second toppers of B.A (P) first, second and third years were from this center. Moreover, some of our students got 100% marks in mathematics. Two others secured 90% marks in Hindi and more than 80% of the students got distinctions in Hindi and other subjects. Some important programs meant for students are as following:

- Inter Center English & Hindi Debates.
- Inter Center Poster, Mehendi and Kavita Competitions.
- Career counseling for students by inviting persons from N.O.S., Adult Education, I.P. University, C. S. Institute, Sampurna NGO, Sky Academy and many others.
- Organized first aid training programs for students from CATS experts.
- Organized seminars on different topics with speakers from diverse fields, relevant for the academic as well as spiritual growth of the students and staff some of the subjects were as follows:
 - Women’s issues by the NGO Jagori & Delhi Police, by ACP, CAWC Smt. Nirmal Verma
 - Stress Management by Dr. Manju Gupta Hindu Rao Hospital
 - Topics on Mathematics by Head Department of Maths, University of Delhi

- Topics of Mathematics by Prof. S. Baghir from Germany.
 - “Geeta” by Sh. Satinder Garg (Jt. Commissioner of Police)
 - Awareness of AIDS and its prevention, with the help of U.P.F.
 - Awareness about holistic health by yogacharya Dr. C. B. Singh, Gandhi Bhawan.
 - Awareness about girl’s adolescent problems by Dr. Medha Bhargav
- **Reviewer of several international and national journals like Indian Journal of Pure and Applied Maths, Journal of Mathematics Kyto Univ., Soochow Journal of Mathematics (China), School of Mathematical Sciences, Peking University.**

Signature of Faculty Member