

Resume

Name: Dr. Manisha Wadhwa nee Dabas
Present Position: Associate Professor in Education
College: Aditi Mahavidyalaya,
Mobile: 9818766667
Email: manisha.edu@gmail.com



Educational Qualifications

B.Sc(Hons) Physics: 1993 Hindu College, University of Delhi (78%)
Scored 100% marks in Mathematical Physics II

M.Sc (Physics): 1995 Hindu College, University of Delhi (68%)
Specialisation: Theoretical Physics

B.Ed: 1996 CIE, University of Delhi (72%)
Specialisation: Teaching of Physics at Sr.Sec Level

M.Ed.: 1997 Department of Education, University of Delhi (71%)
Specialisation: Experimental Education and Educational and Vocational Guidance

M.Phil.: 2000 Department of Education, University of Delhi (75%)
Dissertation: Cognitive and Non cognitive Factors Influencing the Learning of Physics.

Ph.D. (Education): 2011 Department of Education, University of Delhi
Title: Developing an Understanding of Nature of Science among Pre-service Elementary Teachers under the supervision of Prof Anita Rampal

NET – JRF Qualified: 1997

Other Academic Achievements:

- Completed Post Graduate Diploma in Higher Education (PGDHE) from Indira Gandhi National Open University, Scored 4.23 Grade points on a 5 Points Grade Level, Qualitative Level, Very Good, in Dec 2006

Awards/ Recognition

- Best Teacher Award, under the category College Lecturer Award given by Govt of National Capital Territory of Delhi on 2018-04-03
- National Scholarship Scheme of Scholarship Cell of University of Delhi, Delhi (Merit based) 1996-09-19
- National Scholarship Holder Sponsored by MHRD, Govt of India (1988 – 1993) (Merit based)

Teaching Experience: 22years (+)

Teaching in the Education Department of Aditi Mahavidyalaya, University of Delhi since Aug 1998

Research Work:

Fellowship:

- J.R.F. in Education (1997 – 1998) during the M.Phil. programme and research conducted on “Factors Influencing the Learning of Physics”, Department of Education, University of Delhi.

Completed Research Projects

- **Minor Research Project (2008 – 2009)** funded by University Grants Commission: Developing Modules for Understanding of Nature of Science
- **Innovation Research Project (AM- 202)** titled as ‘Nutrition and Psycho-social well-being of Elderly Population of Rural Delhi’, Nov 2013 – March 2015, funded by University of Delhi with a grant of 3.5 lacs. The project involved survey of 200 Rural Elderly population for identification their needs for health, nutrition and Psycho-social well-being. Later in-depth interviews of selected sample and workshop of elderly people was conducted to address their concerns.

Research Guidance

Teacher Fellowship Programme

- Mentor in Teacher Fellowship Programme 2013 -14: Mentor of Research Fellow Puja Prathisthala for the Project titled Exploration of Mathematics Learning of School Girls in Teacher- Fellowship Programme of Regional Resource Centre of Elementary Education (RRCEE), University of Delhi in the academic session 2013-14; completed in 2014. The fellowship is offered to in-service teachers for action research projects.

M.Phil. – Degree Awarded

- M.Phil. Degree awarded to Ms Sheetal on the topic “**Experiences of Visually Impaired Students in Higher Education: An Exploratory Study**” by the Faculty of Education, University of Delhi in Oct 2019

Ph.D. – Degree Awarded

- Ph.D. Degree awarded to Jyoti Sethi on the topic **Mathematics for Social Justice: Teachers' Dialogic Reflection** by the Faculty of Education, University of Delhi under Joint Supervision in August 2020 (Submitted in April 2019)

Ph.D. Thesis Submitted

- Ph.D. Thesis submitted by Ms Parul on the topic “**Critical Sexuality Education: Exploring Children’s Agency**” to the Faculty of Education, University of Delhi under Joint Supervision in March 2020

Ph.D. Pursuing

- Ms Sheetal pursuing Ph.D. since Oct 14, 2019 from Faculty of Education, University of Delhi

Others

- Member of Research Advisory Committee of District Institute of Education and Training (DIET) under State Council of Educational Research and Training, 2007-2008.
- Member of Study team (EVS- Environment Studies) of Collaborative Project on University School Resource Network (USRN) – Programme planning phase, sponsored by Sir Ratan Tata Trust, Mumbai and JNU in 2006-2007.

Publications

Book

- NCERT (2008) Source Book on Assessment for Classes I – V: Environmental Studies, New Delhi: NCERT (As a part of a team) ISBN 9788174508546

Edited Book

- Jain, S., Wadhwa, M.D. and Rathi, N. (Ed) (2015) Issues and Concerns of Elderly People in India, Delhi: Book Age ISBN 9789383281510

Journals

1. Wadhwa, Manisha Dabas, Gahlawat, I.N. and Chikkara, A. (2020) Understanding Students’ Alternative Conception: A Mirror to their Thinking, Integrated Journal of Social Science, 7 (1), 9 – 13, ISSN 2348 0874
2. Wadhwa, Manisha (2020) Bhartiya Shiksha mein Gandhi ka Yogdayaan, Apni Maati, Online Journal Vol 33, Sept 2020, ISSN 2322 0724 (www.apnimaati.com)

3. Wadhwa, Manisha Dabas (2020) Engaging Children with Dialogues in Science Classroom, MERI Journal of Education April 2020, Volume XV, No 1, pp 94- 103, ISSN 0974-2085
4. Wadhwa, Manisha Dabas (2020) Stories in Primary Classrooms: Lessons for Teacher Education Curriculum, Jamia Journal of Education, A Peer Reviewed Refereed International Biannual Publication Vol 7, No 1, March 2020, ISSN 2348 3490
5. Wadhwa, Manisha Dabas (2019) Challenging Stereotypical Notions of Discipline in Elementary Schools: Building a Positive Classroom Environment, Indian Journal of School Health and Well Being, May – Aug 2019, Vol 5, No 2, ISSN 2349-5464, pp 1 – 10.
6. Wadhwa, Manisha Dabas (2019) Innovations in Science Pedagogy: Children’s construction of Knowledge of Concepts and their Socio-Cultural Context, Jamia Journal of Education, A Peer Reviewed Refereed International Biannual Publication Vol 6, No 1, Oct 2019, ISSN 2348 3490
7. Wadhwa, Manisha Dabas and Chugh, Ishita (2019) Voiceless Children: Bullying in a Primary School, MERI Journal of Education 2019, volume XIV, No 2, pp 1- 22, ISSN 0974-2085
8. Wadhwa, Manisha Dabas, Gahlawat I.N., Lakra P. and Nischal S. (2018) Children’s Questions in Science Classroom: A Potential Source of Learning, Integrated Journal of Social Science, 5 (1), 41 – 46, ISSN 2348 0874
9. Lakra P, Sehgal S. Gahlawat I.N and Wadhwa, Manisha Dabas (2018) Use of Products Developed from Potato Flour, Defatted Soy Flour and Corn Flour in Combating Malnutrition. Integrated Journal of Social Science, 5 (1), 47 – 50, ISSN 2348 0874
10. Wadhwa, Manisha Dabas and Renu Singla (2018) A Peep into Healthy School Environment, Indian Journal of School Health and Well Being, December 2018, Issue 22, pp 50 – 59, ISSN 2349-5464
11. Wadhwa, Manisha Dabas, and Kaur, K. (2017) Child’s Construction of Knowledge: Role of Activities Classroom, Integrated Journal of Social Science, 4 (1), 20-25, ISSN 2348 0874
12. Wadhwa, Manisha Dabas (2009) Nature of Science in B.El.Ed. Course in The Indian Educational Researcher, Chennai, Vol 4, No 2, pp 27 – 34, ISSN 0974-2123.
13. Wadhwa, Manisha Dabas (2006) Environment Education: Learning Science Outside the Classroom, University News (Journal of Higher Education), Delhi, Vol 44, No 12, pp138 – 141, ISSN No 0566-2257.
14. Wadhwa, Manisha Dabas (2006) The Role of Language in Learning of Mathematics, International Journal - Commonwealth Association of Science Technology and Mathematics Education (CASTME), Vol 26, No 1, pp 35-42, ISSN 0264-3138.

Conference Proceedings

1. Wadhwa, Manisha Dabas (2019) Beti Padao: Challenging Gender Stereotypes in Primary Schools using ‘Women Lead Roles’ in Hindi Cinema, Publication in Proceedings of National Conference on the theme Beti Bachao beti Padhao, Aditi Mahavidyalaya, University of Delhi, Delhi, ISBN 978-93-82122-43-2

2. Wadhwa, Manisha Dabas and Chhikara, Anu (2019) Locating Gandhian Values in Primary Classroom: Relevance in the Contemporary Context, Publication in Proceedings of National Conference (29 March 2019), Bhartiya Vidya Bhavan's Leelavati Munshi College of Education, pp 49 -59, ISBN: 978-81-938679-9-0
3. Wadhwa, Manisha Dabas (2017) Creating Environmental Awareness among Children: Swachh Bharat Mission Perspective, Publication in Proceedings of National Conference RACSGSE-SBAP (Oct 10-11, 2017), Aditi Mahavidyalaya, University of Delhi, Delhi, pg 7 -16, ISBN: 978-93-5311-552-4
4. Wadhwa, Manisha Dabas (2011) Scientists and the Language they Use – Looking at Gender Stereotypes, National Conference- Diversity and Inclusion, Institute of Home Economics, University of Delhi, pp 112 – 123. (National Conference proceedings)
5. Wadhwa, Manisha Dabas (2008) Language In-adequacy: A Barrier in Mathematics Learning, in Mathematics Education – Expanding Vistas, Lady Sri Ram College for Women, University of Delhi, pp 37 – 44. (National Conference proceedings)

Chapter in Books

1. Wadhwa, Manisha Dabas (2019) A Journey into Grounded Theory Research: A tale of Few Researchers in Kumar, S. (Ed) Action Research and Grounded Theory: Evidence Based Practices in Education, New Delhi: Kanishka Publishers, pg 8 – 12, ISBN 978-81-8457- 862-1
2. Wadhwa, Manisha Dabas and Sumedha Jain (2018) Engaging with Pluralism in a Primary Classroom in Sandeep Kumar and Vandana Saxena (Edited) Psychological and Sociological Perspective in Diversity and Inclusion Anthology of Researchers and Practitioners 2018 New Delhi: Kanishka Publishers, ISBN 978-81-8457-841-6
3. Wadhwa, Manisha Dabas (2017) Teaching as a Profession: Extent for Employ-ability in book Manisha et.al. (Ed) Income Generation Challenges and Opportunities, by Akshar Publishers, ISBN no 9789385600197
4. Bharati and Wadhwa, Manisha Dabas (2016) Teaching Learning in Indian Schools: Considerations for Children with Special Needs in Gupta, S.P. and Singh, D. (Ed) Energizing Inclusive Education, New Delhi: Pentagon Press, pp 151-159, ISBN 978-81-8274-884-2
5. Wadhwa, Manisha Dabas (2016) Retention in Schools: Experiences of Pre-service Elementary Teachers in Delhi in Sehgal, A. et.al. (Ed), Inclusion: A Rainbow of Chaos New Delhi: Pinnacle Learning, pp 169 – 179, ISBN 9789383848171
6. Wadhwa, Manisha Dabas (2015) Happy Old Age: A Myth or Reality in Jain, S. et.al. (Ed) Issues and Concerns of Elderly People in India Delhi: Book Age, pp 43 – 56, ISBN No 978-93-83281-51-0
7. Wadhwa, Manisha Dabas (2015) Addressing Nature of Science in Elementary Teacher Education using Contemporary Issues' in Akalamkam, K. and Sharma, S. (Ed) Pedagogic Trajectories published by New Delhi: Synergy Books India, pp 151- 159, ISBN- 9789382059301
8. Pratihasta, P. and Wadhwa, Manisha Dabas (2015) Exploration of Mathematics Learning of Schools in Delhi, Episteme – 6 (Homi Bhabha Centre for Science Education,

- Tata Institute of Fundamental Research), Cinnamon Teai Publishing, Mumbai, pp 67-75
9. Wadhwa, Manisha Dabas (2014) Drawing Inferences from Observations: Using ‘Structure of the Atom’ for Developing an Understanding of the Nature of Science in Kapur, V. (Ed) Discourses in Education, New Delhi: The Book Line, pp 12- 24, (ISBN 9789382524175)
 10. Wadhwa, Manisha Dabas (2012) Addressing Understanding of Nature of Science: A Study of Pre-service Elementary Teachers, Episteme – 5 (Homi Bhabha Centre for Science Education, TIFR), Cinnamon Teai Publishing, Mumbai , pp 200-206, ISBN 978-93-81542-83-5
 11. Wadhwa, Manisha Dabas and Kalyani, K. (2012) Environment Education for Sustainable Development in Saxena, V. (Ed) Contemporary Trends in Education – A Handbook for Educators, Delhi: Pearson, pp 78 – 109, ISBN 978-81-317-5948-6.

Newsletter

- Editor of BEIEd Newsletter ‘Aarohi’, first issue was brought out in 2004, and the first e version was brought out in 2013.

Paper Presentation in Conference/ Seminar/ Symposium

1. Presented a paper titled “Developing Environmental Awareness among Children: Swachh Bharat Mission Perspective” in a UGC sponsored National Conference in the Area of Recent Advances in Chemical Science towards Green and Sustainable Environment: Swachh Bharat Mission Perspective organised by Aditi Mahavidyalaya on Oct 11, 2017
2. Invited resource person for an interactive session on ‘Women in Science’ for senior secondary students of Mater Dei School, Tilak Lane, New Delhi, on July 27, 2017
3. Invited resource person for three sessions: Pedagogy of Environment Studies (May 9, 2017), Pedagogy of Science (May 10, 2017) and School Internship (May 12, 2017) in Faculty Development Programme for Teacher Educators from Meghalaya organised with collaboration of Regional Resource Centre in Elementary Education (RRCEE), University of Delhi and DERT Shilong from May 8, 2017 – May 12, 2017.
4. Invited resource person for a session on “Developing Higher Order Thinking Skills among Learners” on May 3, 2017 in a national level workshop for teachers’ training in the area - Understanding Needs for Gifted Students in Classroom under Gifted Education Project Commissioned by Office of Principal Scientific Advisor to Government of India, organised by Cluster Innovation Centre, University of Delhi.
5. Invited resource person in a national level capacity building exercise on the theme ‘Preparing Reflective Practitioners’ (sponsored by MHRD) and interacted in a session on Teacher Educators as Reflective practitioners on May 25, 2016 at School of Education, Jamia Millia Islamia.

6. Paper titled “Engaging with Pluralism in Primary Classrooms” presented in National Conference on Inclusion: Socio-Political Perspectives organised by Department of Education, University of Delhi under the aegis of IASE, MHRD on February 8, 2016
7. Invited Speaker on Elementary Teacher Education: Reflecting on Experiences in the CESI (Comparative Education Society of India) National Conference held at University of Delhi from 16 to 18 Nov 2014.
8. Paper titled “Drawing Inferences from Observations: Using ‘Structure of the Atom’ for Developing an Understanding of the Nature of Science” presented in National Educational Symposium, organised by Shyama Prasad Mukherji College, University of Delhi, Feb 12 – 13, 2014.
9. Symposium ‘Women in Science’ organised under UGC sponsored project at Department of Education, University of Delhi, 6 Dec, 2013.
10. Paper titled “Understanding Nature of Science: A study of Pre-service Teachers” presented in Seminar Series in Education, IASE, Faculty of Education, Jamia Millia Islamia, Delhi, 30 Sept, 2013.
11. As one of the panellists in SPM College for Women, University of Delhi to discuss on “Students Absenteeism in Primary Schools of Delhi” under the innovative project SPM-103 on October 29, 2012
12. Paper titled “Pre-service Elementary Teachers’ Perception of Science: Implications for Curriculum” at Jamia Millia Islamia, under Department of Research Studies, Special Assistance Programme of UGC, on 4-5 Feb, 2009.
13. Paper titled “Sixty Years of Democratic Education: What Kind of Science Education do we Need?” presented at 32nd Indian Social Science Congress at Jamia Millia Islamia, Dec 16, 2008.
14. Paper titled “Research in Science Education: The Way Forward” presented in National Conference organised by Department of Education, University of Delhi, 15 – 16 Feb, 2008.
15. Paper titled “Environment Education: Science beyond the classroom” presented in International Conference on Environment and Development: Challenges and Opportunities, New Delhi, 4 – 5 March, 2005.
16. Paper titled “Probing Children’s Ideas in Science: An Attempt to Develop Scientific Temper” presented in National Conference organised by DST, at Ujjain, M.P. 9 – 13 Sept, 2004.

Resource Person in Workshops

1. Invited Panellist on the topic “Challenges of Research Writing in Diversity and Inclusion” on Jan 2, 2020 organised by Department of Education, University of Delhi, Delhi
2. Participated as Resource Person in National Seminar, NRC- ICSSR sponsored on Continuous Professional Development of Teacher Educators, organised by Department of Education, University of Delhi on 2019-02-22

3. Participated as Resource Person in National Seminar, on Continuous Professional Development of School Teachers, organized by Department of Education, University of Delhi on 2019-02-20
4. Participated as a Resource Person in three days' workshop on 'Finalisation of guidelines for inclusive pre service teacher training degree programmes' organised by Department of Education of Groups with Special Needs, NCERT, New Delhi from 27 to 29 July, 2016.
5. Invited Resource Person for the Project titled "Developing, trialling and analysing an intervention for enhancing future teachers' understanding of class V EVS textbook" of IASE, Faculty of Education, Jamia Millia Islamia, Delhi, on March 11th, 2016.
6. Invited Resource Person for Workshop on Teaching Methods organised for University and College Teachers by Centre for Professional Development in Higher Education (CPDHE), University of Delhi on March 7th 2016.
7. Chaired a technical Session on Inclusion: Approaching Differently in National Conference on Inclusion: Socio-Political Perspectives organised by Department of Education, University of Delhi under the aegis of IASE, MHRD on February 9, 2016.
8. Participated as a Resource Person in three days' workshop on 'Developing a tool for analysing teaching learning resources from an inclusive education perspective' organised by Department of Education of Groups with Special Needs, NCERT, New Delhi from 13 to 15 Jan, 2015.
9. Participated as a Resource Person in one day workshop on 'One-day Pre-planning Workshop to develop a tool to analyse teaching learning resources at primary level from an inclusive education perspective' organised by Department of Education of Groups with Special Needs, NCERT, New Delhi on 8 Jan, 2015.
10. Participated as a Resource Person in two days' workshop on 'Relooking of syllabi and curricular material of NCERT at the Primary level' organised by Department of Education of Groups with Special Needs, NCERT, New Delhi on Aug 28-29, 2014
11. Participated as a Resource Person in a three days' workshop on Curriculum Revision of two-year Diploma in Education (D.Ed.) course of Department of Educational Research and Training (DERT) Meghalaya held at Shillong, from 28 to 30 November, 2014.
12. Invited as Resource Person of full day workshop for Faculty Development Programme for the orientation of D.Ed. Science Courses organised for teacher educators of Haryana State by SCERT, Gurgaon on Jan 17, 2013.
13. Participated as Resource Person for In-service training workshops of Teachers of East Delhi Municipal Corporation (EDMC) Schools on the topic: EVS Pedagogy and National Curriculum Framework at EDMC School Complex Dilshad Garden on 18 Dec 2013.
14. Participated as Resource Person for In-service training workshops of Teachers of DAV Schools for the topic Pedagogy and Evaluation of Environment Studies on 28 June 2013 at Kulachi Hans Raj Model School, Ashok Vihar, Delhi.
15. Participated as a Resource Person in teleconferencing in India for Kendriya Vidyalaya Teachers on Class V Textbook for Environment Studies 'Looking Around' on 30 July 2008, organised by NCERT, N Delhi.

16. Participated as a Resource Person in two days' workshop on 'Development of Test Items for Environment Studies' for Classes III and V organised by Department of Elementary Education, NCERT, on 22- 23 Dec, 2008.
17. Participated as a Resource Person in Finalisation of Achievement Tests in Science for Class VII/ VIII organised by Department of Educational Measurement and Evaluation, NCERT, New Delhi, 17 – 18 Sept, 2007.
18. Participated as a Resource Person for District and Block Level Functionaries for Assessment Source Book of Environment Studies, organised by Department of Elementary Education, NCERT, at New Delhi (01 Aug, 2007) and at Guwahati (4 Oct, 2007)
19. Participated as Resource Person for In-service training workshops of Teachers of Government Schools organised by DIET Pitam Pura, in the month of May – June 2007.
20. Participated as a Resource Person in a workshop 'Use of Toys and Locally Available Materials in Elementary Science Classroom: Scope and Challenges Ahead' organised by Miranda House and Department of Science and Technology, 28 – 30 March, 2007.
21. Participated as Resource Person for Teacher Educators from DIETs across Northern India, on the theme 'Preparing Teachers Reflection Diaries' organised by Department of Teacher Education and Extension, NCERT, N. Delhi, 13 Oct, 2006.
22. Participated as a Resource Person in a Seminar organised for BEIEd Faculty on the topic: Transition from being a Student Teacher to Professional by MACESE, Department of Education, University of Delhi, 3 May, 2005.

Organisation of Seminar / Workshop / Conference

1. As Science Society Convenor of Aditi Mahavidyalaya, University of Delhi organised 4 days' Seminar cum workshop on the Theme: Women, Science and Teacher Education from Jan 7 to Jan 10, 2020 for BEIEd students. In the four days event Keynote address by Prof Anita Rampal (Former Head and Dean, Faculty of Education, University of Delhi, Delhi), Panel Discussion by Prof Gurjeet Kaur (Jamia Millia Islamia) and Dr Kalyani Akalamkam (Lady Shri Ram College for Women, University of Delhi), Special Lecture by Prof Vandana Saxena (Department of Education, CIE, University of Delhi, Delhi), Hands on activities session by Ms Nisha Sharma, (an Alumna of the college; TGT Science with Directorate of Education, Delhi), workshop on scientific concepts by Ms Anshumala Gupta, Mr Vikas Saini and Mr Hitesh (Joy of Learning Foundation) and Valedictory address by Dr Subhash Chander (Department of Education (CIE), University of Delhi, Delhi) were organized.
2. As Science Society Convenor of Aditi Mahavidyalaya, University of Delhi organised 3 days' workshop on the Theme: Science in everyday life in Nov- Dec, 2018 for BEIEd students. The workshop with hands on activities on scientific concepts was conducted by Ms Anshumala Gupta, Mr Vikas Saini and Mr Hitesh (Joy of Learning Foundation).
3. As workshop Convenor, organised 5 days Faculty Development Programme for Teacher Educators from Meghalaya for orientation towards Diploma in Elementary Education (D.El.Ed.) in collaboration with Regional Resource Centre in Elementary

Education (RRCEE), University of Delhi and DERT Shillong from May 8, 2017 – May 12, 2017.

4. Organised one day workshop for B.El.Ed students on Stress management, Coping Issues and Positive Living at Aditi Mahavidyalaya, on April 19, 2016.
5. Organised one day National Seminar on ‘Issues and Concerns of Elderly in India’ on February 14, 2015 at Aditi Mahavidyalaya, under the innovation project funded by University of Delhi.
6. Organised one day Workshop for Rural Elderly People on Health and Psycho-social well-being on August 23, 2014 at Aditi Mahavidyalaya under the innovation project funded by University of Delhi.
7. Organised one day Seminar on ‘Nature of Science for Elementary School’ at Department of Education, University of Delhi for the B.El.Ed. and D.I.E.T. faculty on Dec 16, 2008 under the UGC Minor research project.

Curriculum Development/ Revision:

1. Member of team for development of syllabus for BA Prog (Education) in which there were 6 discipline courses (namely Basic Concepts and Ideas in Education, Understanding Human Development, Education in Contemporary India, Understanding Human Learning and Cognition, Education in Plural Society, Education in India: Policy and Practice) and 4 skill enhancement courses (namely Researching Children and Childhoods in India, Making the Workplace Inclusive, Reflective Learning, Media and Education) under Learning Outcome-based Curriculum Framework (LOCF). The syllabus became effective from 2019 -2020, Annexure 183, University of Delhi.
2. Developed model syllabus of Environment Studies and Science Studies for two-year D.El.Ed. (Diploma in Elementary Education) Course of the state Meghalaya as per the guidelines of NCTE, 2015.
3. The Bachelor of Elementary Education (B.El.Ed.) Programme: Review Report, prepared BEEd Review Committee, Faculty of Education, University of Delhi, July 2013.
4. Convener of the Committee constituted for developing curriculum for Semester-wise (6 courses), Education Discipline for the BA Programme, 2011
5. Developed model syllabus of Environment Studies and Science Studies for two-year D.El.Ed.(Diploma in Elementary Education) Course of NCTE (National Council of Teacher Education) 2007-09
6. Coordinator of Participatory Curriculum Review of B.El.Ed. Programme – Science Group, Faculty of Education, University of Delhi, 2007 -2008
7. Developed SCERT, Delhi, Science Syllabus for Elementary Teacher Education Programme, for two papers – Pedagogic Studies- Environmental Studies (compulsory), and Pedagogic Studies – Science (Optional), 2007 - 2008
8. Syllabus for Restructured BA Programme, Education Discipline for final year titled ‘Education in Contemporary India: Trends, Issues and Challenges’, 2005 – 2006.
9. Syllabus for Restructured BA Programme, Education Discipline for second year titled ‘Psychological Foundations of Education’, 2005 – 2006.

E Content Developed

Video Lectures for NIOS (National Institute of Open Schooling) under MHRD Project for DTH Channel SWAYAM PRABHA (Channel 32: Teacher Education) for D.El.Ed. course 505 (Pedagogy of Environment Studies) run by IGNOU in 2018. The following video lectures are available at YouTube, the links mentioned

1. Environment as an aspect of Learning (<https://youtu.be/bLfCReGeFGg>)
2. Understanding Environment and its Role in Development of Children (<https://youtu.be/yvuL-H0Tak8>)
3. Using Locally Available Resources in EVS (<https://youtu.be/Wm6J-xC8-44>)
4. Thematic Organisation of Content in EVS (<https://youtu.be/XxOTMzCJ84M>)
5. Teaching Learning Method: Observation (<https://youtu.be/ZnHn4GOPjRg>)
6. Teaching Learning Method - Group Discussion (DTH Channel, SWAYAM PRABHA)
7. Teaching Learning Method - Field Visit (<https://youtu.be/aB5tAOWKTXI>)
8. Assessment Tools in Environment Studies - Characteristics and Selection (<https://youtu.be/CXi7TbvPkgM>)
9. Additional Ideas for Assessment in EVS (<https://youtu.be/NceLzQu8BSY>)
10. Recording and Reporting Students' Progress: EVS (<https://youtu.be/72KSN6wLUhU>)

Assessment and Evaluation Work

- Actively participated in development of confidential material for Central Teachers Eligibility Test, Feb 2015, Sept 2014 conducted by Central Board of Secondary Education (CBSE)
- NCTE Visiting Team: As a member of the visiting team of National Council of Teacher Education (NCTE) to an institution in Mahendergarh, Haryana to assess the capacities available in the institution for conducting B.El.Ed. course in accordance with NCTE Regulations on Sept 30, 2014.
- Moderator of Science Paper committee of Combined Entrance Test of Centralised B.ElEd. Admission Committee of Faculty of Education, University of Delhi, Delhi, 2014, 2017, 2018, 2019

Special Lectures:

- For Training programmes of In-service Science teachers and Primary Teachers, organised by SCERT, 2006, 2007.
- For Institute of Home Economics, University of Delhi, BEIEd IVth year students on 'Planning and Developing Materials in Science', on July, 27, 2007
- For M.A./ M.Sc. Students of Environment Studies, University of Delhi, for the paper 'Environment Communication and Education (2005-2006).
- For M.Ed. full time students of University of Delhi (Faculty of Education) for the paper 3.2, Statistics in Education (2005- 2006)

- For Institute of Home Economics, University of Delhi, BEIEd I year students on ‘Orientation to BEIEd Course’, 2006

Orientation Course/ Refresher Programme

- Participated in 2 Days Refresher Programme on Foundation Course – Science and Life, under FYUP (Four Year Undergraduate Programme) organized by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi from June 21 – 22, 2013
- Participated in 3 Weeks Refresher Course in Education from June 6, 2011 to June 25, 2011 organised by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.
- Participated in 3 weeks Refresher Course in Environment Studies from Feb 22, 2006 to March 14, 2006 organised by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.
- Participated in 3 weeks Refresher Course in Education from April 4, 2003 to April 30, 2003 organized by Academic Staff College, Jamia Millia Islamia, New Delhi.
- Participated in 4 weeks Orientation Course from February 14, 2003 to March 13, 2003 organised by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.

Faculty Development Programme/ / MOOC Courses

- Gender/ Women Studies by Jamia Millia Islamia (an ARPIT course on Swayam Portal) in 2019 - 2020 awarded A grade in the evaluation.
- Environment Studies by NCERT on the Swayam Portal in 2019 - 2020
- “Development of Teacher's e-kit and MOOCs in Four Quadrant Format of e-Content” organized by Guru Angad Dev Teaching Learning Centre, a centre under PPMMNMTT, MHRD, Government of India from 12th Sept, 2020 to 20th Sept, 2020.
- One week, FDP on “Open-Source Tools for Research” from June 8 to June 14, 2020 Conducted by Teaching Learning Centre, Ramanujan College, University of Delhi (under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PPMMNMTT))
- E-content and MOOCs- Development and Delivery on the theme ICT Tools and Online Teaching, from 15 May 2020 to 17 May 2020 organized by CPDHE, University of Delhi.

Community and Extension Services

- Survey of 200 Elderly Population located in and around villages of Bawana (Rural Delhi), their needs were identified in terms of their health and Psychosocial well-being

and then in-depth interviews and workshop were conducted (under Innovation Project of University of Delhi AM-202)

- Interactive session organised in students' benefit in terms of widening their horizons to possibilities to pursue interdisciplinary higher education at the post graduate level on April 6th 2016.
- Heritage Walk to the Area of Chandni Chowk to lanes and bazzars of old Delhi for understanding the city, tales and traditions. Walk through Fateh Puri, Jama Masjid and Red fort not only helped students to understand the history of the place but also the context of lives of people living in the area was organized. It was followed by Qissa goi by the talent group Feb 24 -25, 2015 and Feb 1, and Feb 9, 2016
- Visit to schools run of Madhya Pradesh Government with facilitation from Samavesh, an NGO working in field of education; located in the core and buffer zone of Panna Tiger Reserve, for B.El.Ed third year students was organized from Dec 5 to 8, 2016. The objective was to understand the context and lives of people living in such remote and challenging areas, their need and efforts for education and to critically analyse and adapt the innovative practices followed by teachers and out -reach of education.

Membership of Academic Bodies/ Societies

- Life Membership of International Association of Engineers (IAENG) Membership no 249975
- Life Membership of Comparative Education Society of India
- Life Membership of All India Social Science Congress
- Lifetime member of Common Wealth Association of Science, Technology, Mathematics Educators (CASTME) – Asia Chapter

Administrative Responsibilities

National Level

- Member of the NCTE (National Council for Teacher Education) high level committee (Sept 2020) to design and develop an appropriate norms and standards for six months bridge course for teachers to be appointed as elementary school teachers in schools as per the gazette notification dated 28/ 06/ 2018.
- Member of the Committee constituted by National Council for Teacher Education (NCTE), for implementing the Recommendations (7, 22, 23) of Justice Verma Commission under the Chairpersonship of Prof Krishna Kumar, 2013

University Level

- Member of the Centralised B.El.Ed. Admission Committee, of Faculty of Education, University of Delhi, (4 years- 2002, 2003, 2004, 2017)

- Convenor of three members Screening Committee to screen the applications for ad-hoc appointments of Assistant Professors against the vacant teaching posts in B.El.Ed. colleges of the Faculty of Education, University of Delhi, during the academic session 2016-2017 (June 2016)
- Member of Core Committee for the B.El.Ed. Review and Convenor of Science Syllabus Review Committee constituted by Faculty of Education, University of Delhi (2015-2016).
- Member of BEIEd Review Committee, constituted by Faculty of Education, University of Delhi from Oct 2012- June 2013; report submitted in July 2013.
- Co-coordinator of the B.El.Ed. Coordination Committee constituted by Faculty of Education, University of Delhi, 2013 -2014, 2014-2015, 2015 – 2016, 2016- 2017.
- Coordinator of the B.El.Ed. Coordination Committee constituted by Faculty of Education, University of Delhi, 2018 – 2020.
- Member of Faculty of Education, University of Delhi (06 years – 2000- 2003, 2003 – 2006)
- Member of the Committee of Courses (Professional), of Faculty of Education, University of Delhi, (06 years – 2000- 2003, 2003 – 2006)
- Member of the Committee of Courses (Liberal), of Faculty of Education, University of Delhi, 2012 – 14, 2015 - 2106
- Member of School Internship Coordination Board of Faculty of Education, University of Delhi, (06 years – 2000-2005, 2008 – 2009)
- Member of Internal Assessment Moderation Board of Faculty of Education, University of Delhi, Board (03 + 04 years – 1999 – 2002, 2013- 2017)

College Level

- Teachers' Representative in College Governing Body (2003 -2004)
- Teacher In-charge for the Department in the college, (6 years: 1998 – 2000, 2003 -05, 2012- 13, 2015-16).
- Member of Selection Committee for permanent position of Lecturers in BEIEd and Curriculum Laboratory Attendant (1999, 2004)
- Convenor of Examination committee (1 year: 2004 - 2005), Workload and Timetable committee (02 years: 2002- 2003; 2015-2016), Student Union Advisory Committee (1 year: 2002 - 2003), Prize Distribution Committee (1 year: 2012 - 2013), BA Programme Committee (2005 – 2006); Research Advisory Committee (2 years: 2014-2015; 2015 – 2016, 2018-19); Science Society (2019-2020)
- Secretary Staff Council: 2 times (2 + 2 years: 2001 – 2003, 2016 - 18)
- Co-Convenor Science Society 2018 - 2019
- Co-Convenor Admission Committee 2019 – 2020
- Co-Convenor B.A. Programme Committee 2019 – 2020, 2020- 2021
- Co-Convenor Cultural Committee 2019 – 2020, 2020- 2021
- Convenor Science Society 2019-2020, 2020- 2021