



## RAM LAL ANAND COLLEGE (University of Delhi)

### Faculty Details



Titl e	Dr.	First Name	NEENA	Last Name	MITAL	Photograph
Designation	ASSOCIATE PROFESSOR IN STATISTICS					
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<b>Educational Qualifications</b>						
Degree	Institution				Year	
Ph.D.(Statistics)	Department of Statistics, Delhi University				2003-2006	
M.Phil. (Statistics)	Department of Statistics, Delhi University				1992-1993	
M.A. (Statistics)	Hindu College, Delhi University				1990-1992	
B.A.(H) Statistics	Kirori Mal College, Delhi University				1987-1990	
<b>Career Profile</b>						
Associate Professor-2008- till date: Ram Lal Anand College, University of Delhi. Reader 2005-2008, Ram Lal Anand College, University of Delhi. Lecturer in senior scale – 2000-2005, Ram Lal Anand College, University of Delhi. Lecturer - 1995-2000, Ram Lal Anand College, University of Delhi. Research Assistant-1994-1995: Faculty of Management Studies, University of Delhi. Guest faculty 1993-94: Kirori Mal College, University of Delhi.						
<b>Administrative Assignments</b>						
Currently working as (College Level)						
<ul style="list-style-type: none"><li>❖ Teacher-in-charge Department of Statistics.</li><li>❖ Convener in NACC steering subcommittee.</li><li>❖ Member IQAC.</li><li>❖ Member Research Committee.</li><li>❖ Member Gandhi Study Circle.</li><li>❖ Member Women's Welfare Advisory Committee.</li></ul>						

**(University Level)**

- ❖ Member of Committee of courses for Honours and Post-graduate studies in Statistics at Department of Statistics, since Oct'2017 University of Delhi.
- ❖ Member of the Board of Moderators for Statistics courses under Semester and CBCS mode since April 2018.

**Worked as (since 2012)**

**(College Level)**

- ❖ Convener of Panacea, Statistics Society (2017-18)
- ❖ Convener of Pathway, Career Counselling and Placement Cell (2016-18).
- ❖ Convener of Art and Culture Society (2016-18).
- ❖ Co-Convener of Internal Assessment Committee (2015-17).
- ❖ Member of Admission Grievance Committee (2015-2016).
- ❖ Member of Fee Concession & Students Aid Fund (2015-2016).
- ❖ Convener of Library Committee 2013-14.
- ❖ Teacher-in-charge, Department of Statistics 2013-14.
- ❖ Co-Convener Canteen Committee 2012-2014.
- ❖ Convener of Arts & Culture Society 2012-13.
- ❖ Convener of Women's Welfare Advisory Committee 2012-13.
- ❖ Governing Body Member – Jr Teacher Representative 2008-2009.

**(University Level)**

- ❖ UGC Member of Expert Committee for Curriculum Development of B.Sc. (Hons.) Statistics Syllabus under CBCS 2014-15.
- ❖ Member of Curriculum Development Committee, Department of Statistics, Delhi University for Development of Syllabi; Semester system 2011, FYUP 2013, CBCS 2015.
- ❖ Member of Interview Board of admissions to M.Sc. Part I Operational Research & M.A./M.Sc. Par-I Applied Operational Research, Department of Operational Research University of Delhi for Academic session 2015-16.
- ❖ Member of Committee of courses for under graduate studies B.Sc. (Gen.) and B.A.(Prog.) Department of Statistics, University of Delhi for two years each from 2003-2005, 2014-2016.

**Areas of Interest / Specialization**

Design of Experiments, Statistical Quality Control, Operations Research, Programming languages and software

**Subjects Taught**

Statistical Quality Control  
C- Programming Language  
R- Programming Language  
Applied Statistics  
Operations Research  
FORTRAN IV

Software packages- Excel, SPSS, WINQSB  
Inventory and Production Management  
Statistical Methods

#### Research Guidance

Involved in supervision and Guidance of ten students in Delhi University Innovation Project entitled "Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population." For the Year 2015-16.

#### Publications Profile

##### Books:

Neena Mital (2011). Robust and Response Surface Designs: Useful Designs for Industries, Lambert Academic Publication, Germany. ISBN: 978-3-8454-3273-1.

##### Book chapters:

Neena Mital and P.R. Lakshmikanthan (2013) Role of Binary Logit Regression in Survey Analysis, Quality and Reliability Engineering: Recent Trends and Future Directions Ch.4, 31-50. Allied Publishers Pvt. Ltd., India. ISBN: 978-81-8424-831-9.

##### Publications (National/International):

1. Aggarwal, M.L., Bansal, A., Choudhary, S. R., & Mital, N. (2015) Response Surface Designs involving Qualitative Factors Using Moment Aberration Designs, Journal of Indian Association for Productivity, Quality & Reliability: 40 (1) 45-59. ISSN 0970-0102.
2. Aggarwal, M.L., Choudhary, S. R., Bansal, A., & Mital, N. (2006). Efficient Three Level Response Surface Designs with Quantitative and Qualitative Factors, Journal of Statistics and Applications (JSA):1 (2-4) 193-201. ISSN 0973-4600.
3. Aggarwal, M.L., Choudhary, S. R., Bansal, A., & Mital, N. (2006) Interaction Graphs for  $4^1 2^{n-p}$  Fractional Factorial Designs, Journal of Modern Applied Statistical Methods, University of Wayne, USA: 5 (2) 475-489. ISSN 1538-9472.
4. Aggarwal, M.L., Choudhary, S. R., Bansal, A., & Mital, N. (2006). Efficient Response Surface Designs with Quantitative and Qualitative Factors, Journal of the Indian Society of Agricultural Statistic: 60 (2) 90 – 99. ISSN: 0019-6363.
5. Aggarwal, M.L., Choudhary, S. R., Kaul, R., & Mital, N. (2006). Blocked non-regular 24-run factorial designs, Journal of the Society of Statistics, Computers and Applications: 4 (1) 47-69. ISSN 2454-7395.
6. Aggarwal, M.L., Choudhary, S. R., Bansal, A., & Mital, N. (2006) Hidden projection property for  $4^1 2^n$  non-regular fractional factorial designs, Journal of Indian Association for Productivity, Quality & Reliability: 31 (1) 1-18. ISSN 0970-0102.
7. Aggarwal, M.L., Choudhary, S. R., Bansal, A., & Mital, N. (2005). Maximum Estimation Capacity of three-level combined array, Journal of the Indian Society of Agricultural Statistics: 59 (3) 217-227. ISSN 0019-6363.

#### Conference Organization/ Presentations

**International:**

1. **Presentation: Role of Binary Logit Regression in Survey Analysis (2011) under Technical Session Quality Management at the International Conference on Quality and Reliability Engineering (ICQRE) held in Bangalore on December 20-22, 2011.**
2. **Presentation: Application of Quality Control Techniques (2011) under Technical Session Quality Evaluation at the International Congress on Productivity, Quality, Reliability, Optimization and Modelling (ICPQROM) held in New Delhi on February 7-8,2011.**
3. **Presentation: Role of Non-parametric tests in Survey Data Analysis (2011) under technical session Stat-Math at the International Congress on Productivity, Quality, Reliability, Optimization and Modelling (ICPQROM) held in New Delhi on February 7-8, 2011.**
4. **Participated: International workshop on Six Sigma, Lean Philosophy & Taguchi Methods organized by the Indian Statistical Institute, New Delhi, during 04-05 February, 2011.**
5. **Participated in International Conference on Design of Experiments Recent Trends and Future Directions, jointly organized by Delhi University and Indian Statistical Institute held at Faculty of Mathematical Sciences, University of Delhi 27-30,Dec, 2001**
6. **Participated in INDIA JSM 2000-2001 An International Conference on recent Developments in Statistics and Probability and their applications during 30 December, 2000 to 2 January, 2001.**

**National**

7. **Organized and participated in National Seminar on "Understanding Gandhi" on 24th August' 2018 held at RLA College, DU.**
8. **Participated in one week Faculty Development Program on Hadoop(HORTONWORKS) CONDUCTED BY ICT Academy from 21st-25th May 2018 held at RLA College, DU.**
9. **Paper Presentation: Potential of Cognitive Activities in Delaying Dementia among 60 Plus Population. 34<sup>th</sup> Annual Meeting of the Indian Society of Medical Statistics (ICMS) held at the Indian Statistical Institute, Kolkata during Dec, 1-3 2016.**
10. **Presented Poster during event of University of Delhi "Research Display at the Convocation Ceremony 2016" entitled "Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population" 19<sup>th</sup> Nov 2016.**
11. **Workshop on "Statistical Computing using R" conducted by Department of Statistics, University of Delhi, during September 14-15,2013.**
12. **Presentation: Electronic Waste: An emerging threat to Environment (2007) in a refresher course on Environmental Studies conducted by CPDHE, University of Delhi from Feb 15 to March 8, 2007.**
13. **Presentation: Blocked non-regular 24-run factorial designs (2005) at the 8<sup>th</sup> annual conference of the Society of Statistics, Computers and Applications held in Amravati (Maharashtra) on November 28-30, 2005.**
14. **Participated in Recent Advances in Statistical Inference and related areas" held on 16<sup>th</sup> November, 2003 sponsored by U.G.C Special Assistance Program (SAP) in Department of Statistics.**

15. Participated in Recent Advances in Statistical Inference and Related areas held on 1<sup>st</sup> March, 2003 sponsored in U.G.C Special Assistance Scheme (SAP) in Department of Statistics.
16. Participated in Winter School on “Design of Experiment and Taguchi Methods” during December 08-28, 2002 conducted by SQC and OR unit of Indian Statistical Institute, Delhi Centre.
17. Participated in Indian Science Congress 88th session, January 3-7, 2001 held at Indian Agricultural Research Institute, New Delhi.
18. Participated in “Advanced Lecture Circuit in Design of Experiments” sponsored by Department of Science and Technology (DST) from 3-06- 2000 to 14-04-2001(Saturdays)
19. Training Course in SPSS/PC+ organized by Delhi University Computer Centre, University of Delhi in Apr’1995.
20. Certificate course in Computer Programming & System Analysis and Design from Tool Room & Training Centre (An Indo-Danish Govt. Project, Govt. of NCT of Delhi) from Feb’1993 to Feb’1994.

#### Research Projects (Major Grants/Research Collaboration)

- ❖ Delhi University Innovation Project entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population.” For the Year 2015-16. Grant Received 3.5 Lacs

#### Awards and Distinctions

- ❖ Best Poster award in the Research Display at the Convocation Ceremony of University of Delhi for poster presentation entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population” in Research Display 2016 held on 19<sup>th</sup> Nov 2016.
- ❖ Certificate of Appreciation awarded for being selected for the Research Display at the Convocation Ceremony 2016 of University of Delhi entitled “Study on how Cognitive activities fair better than drugs in delaying dementia among 60 plus population held on 19<sup>th</sup> Nov 2016.
- ❖ Nominated as Indian scholar to visit Mauritius under 5<sup>th</sup> UGC-TEC Consortium Agreement for the year 2011, visited and stayed in Mauritius for one month (29-09-2011 to 30-10-2011), delivered series of lectures and submitted report to University Grant Commission in Nov’2011.
- ❖ Post-Doctoral Research award by University Grant Commission (2009-2012), conducted the Industrial Survey research titled “Application of Quality Control techniques in Indian industries with specific approach to Automobiles”. Submitted the report to University Grant Commission in 2012.
- ❖ Teacher’s fellowship under Faculty Improvement Program (2003-2006) by University Grant Commission for doing Ph.D. Successfully completed Ph.D. and submitted thesis to Delhi University on 14<sup>th</sup> April’ 2006.

#### **Association With Professional Bodies**

- ❖ **Life Member – Indian Society of Medical Statistics**
- ❖ **Life Member – Society of Statistics, Computer and Applications.**

#### **Other Activities**

- ❖ **Delivered a series of talks during one month visit to Mauritius as Indian scholar in 5<sup>th</sup> UGC-TEC Consortium Agreement (for the year 2011) during October 2011**
  - ❖ **Initializing Statistics: As a Tool in Your Career.**
  - ❖ **Statistical Quality Control.**
  - ❖ **Role of Non-Parametric Techniques in Survey Data Analysis.**
  - ❖ **Survey Analysis Using Binary Logistic Analysis.**
- ❖ **Resource Person Talk (2011) Initializing Research: Using Statistical Tools during 7th Orientation Program at BPS Mahila Vishwavidyalaya Khanpur, Haryana, during 6th June 2011 to 4th July 2011, CPDHE, UGC-ASC.**

**Signature of Faculty Member**