



# Dr. Bhavika Patel

## Assistant Professor

GES Class II (Government of Gujarat)

Department of Statistics

Gujarat Commerce College, Ahmedabad

### Highlights of Qualifications

- Wide experience in teaching assigned subjects in Colleges
- Sound knowledge of instructional techniques
- Exceptional knowledge of student assessment practices
- Proficient with research programs

### Educational Background

- 2017 Gujarat University, Ph.D., Major: Statistics  
Advisor: Dr. Pravender
- 2008 Gujarat University, M.Phil., Major: Statistics  
Advisor: Dr. M. N. Patel
- 2005 Gujarat University, M.Sc., Major: Statistics
- 2003 Gujarat University, B.Sc., Major: Statistics

### Work Experience

- **Assistant Professor (GES Class II)**  
Gujarat Commerce College, Ahmedabad (Currently working with)
- **Research Officer (GSS Class II)**  
Gujarat Social Infrastructure Development Society (GSIDS), Gandhinagar
- **Statistical Assistant**  
District Panchayat, Mehsana
- **Assistant Professor**  
Aroma College of Commerce, Ahmedabad
- **Guest Faculty**  
Directorate of Economics and Statistics, Gandhinagar

- **Guest Faculty**  
H. A. College of Commerce, Ahmedabad
- **Academic and co-curricular work**  
Worked as Examiner and committee members of various academic, cultural and co-curricular activities of various institutes.

## **Publications**

### **Research papers:**

- Construction of Efficiency Balanced Designs, Research Guru Online Journal of Multidisciplinary Subjects, Vol. 12, Issue 2, pp. 137-144, E-ISSN: 2349-266X (September 2018), (UGC Journal No. 63726)
- On the Construction of Variance Balanced Designs, Research Review International Journal of Multidisciplinary, Vol. 3, Issue 8, pp. 208-211, E-ISSN: 2455-3085 (August 2018), (UGC Journal No. 44945)
- Efficiency Balanced Designs, Journal of Harmonized Research in Applied Science, Vol. 6, Issue 3, pp. 217-221, E-ISSN: 2321-7456 (July-September 2018), (UGC Journal No. 64113)
- Construction of Variance Balanced and Efficiency Balanced Designs, International Journal of Research and Analytical Reviews, Vol. 5, Issue 3, pp. 797-800, E-ISSN: 2348-1269, Print ISSN: 2349-5138 (July-September 2018), (UGC Journal No. 43602)
- Construction of Balanced Bipartite Block Designs with unequal block sizes, Research Review International Journal of Multidisciplinary, Vol. 3, Issue 7, pp. 122-127, E-ISSN: 2455-3085 (July 2018), (UGC Journal No. 44945)
- On the Construction of Balanced Bipartite Block Designs, International Journal of Advanced and Innovative Research, Vol. 7, Issue 6, pp. 1-6, E-ISSN: 2278-7844 (June 2018)
- Construction of Balanced Bipartite Block Designs, Research Journal of Recent Sciences, 5(5), pp. 41-46, E-ISSN: 2277-2502 (2016)
- Balanced Bipartite Block Designs with unequal block sizes, International Journal of Statistics and Systems, 10(2), pp. 269-276, ISSN: 0973-2675 (2015)
- Construction of Variance Balanced Designs, Sankhya Vignan, New Series (NSV 10), pp. 1-6, ISSN: 2321-0877

### **Books/Chapters:**

- Varianced Balanced and Efficiency Balanced Designs, Green Flag Foundation, Sonasan, Sabarkantha, Gujarat, ISBN: 978-93-87988-36-1
- Balanced Bipartite Block Designs with unequal block sizes (Part-3), Green Flag Foundation, Sonasan, Sabarkantha, Gujarat, ISBN: 978-93-87988-35-4
- Balanced Bipartite Block Designs with unequal block sizes (Part-2), Green Flag Foundation, Sonasan, Sabarkantha, Gujarat, ISBN: 978-93-87988-34-7
- Balanced Bipartite Block Designs with unequal block sizes (Part-1), Green Flag Foundation, Sonasan, Sabarkantha, Gujarat, ISBN: 978-93-87988-33-0

- Estimation in the Presence of Outlier, Green Flag Foundation, Sonasan, Sabarkantha, Gujarat, ISBN: 978-93-87988-26-2
- Operations Research, B. Com. Sem-2 (Gujarati Medium), Himalaya Publishing House, ISBN: 978-93-5051-744-4
- Fundamental Statistics-III, B. Com. Sem-5 (Gujarati Medium), Kumar Prakashan, ISBN:13- 978-93-82617-59-4
- Fundamental Statistics-III, B. Com. Sem-5 (English Medium), Kumar Prakashan, ISBN:13- 978-93-82617-60-0

## **Presentations**

- Construction of Variance Balanced Designs, UGC sponsored One Day State Level Seminar on Advances in Mathematical Sciences, K.K. Shah Jarodwala Maninagar Science College, Ahmedabad, 14th February, 2015
- On the Construction of Balanced Bipartite Block Designs, National Conference on Statistics for Research and Development, Gujarat Statistical Association (GSA) and GLS (M. R. Parikh) Institute of Commerce, Ahmedabad, 12th October, 2013
- Statistics of HIV/AIDS, Vignan Parisad: The Science Excellence – 2011, Department of Botany, Gujarat University, Ahmedabad, 8th January, 2011

## **Conferences/ Seminars/ Workshops**

- Regional Training Programme on URKUND (An Anti-Plagiarism Detection Tool), Gujarat University, Ahmedabad & Information and Library Network (INFLIBNET) Centre, Gandhinagar, 24th September, 2015
- International Seminar on Applied Mathematics and Statistics (ISAMS 2015), Department of Mathematics and Department of Statistics (DST-FIST supported), Gujarat University, Ahmedabad, 10th January, 2015
- National Conference on Emerging Trends in Applied Statistics, Gujarat Statistical Association & H.L. College of Commerce, Ahmedabad, 31st March, 2012
- Workshop on MMI Training Programme for Master Trainers, Knowledge Consortium of Gujarat (KCG) & Shri H.K. Arts College, Ahmedabad, 27th & 28th December, 2010
- International Women's Day Celebration, Women's Development Cell, Gujarat University, Ahmedabad, 8th March, 2010
- UGC Sponsored National Seminar on Impact of Statistics on Science & Society, Department of Statistics, M.G. Science Institute, Ahmedabad, 25th & 26th February, 2010
- National Conference on Women's Development in 21st Century, Women's Development Cell, Gujarat University, Ahmedabad, 30th & 31st January, 2010
- Seminar on Role of Statistics on Socio Economic Planning, Directorate of Economics & Statistics, Gandhinagar and Department of Statistics, Gujarat University, Ahmedabad, 29th June, 2007
- National Level Seminar on Recent Trends in Bio-Medical Statistics, Department of Statistics, Gujarat University, Ahmedabad, 24th & 25th February, 2007

- 25th Annual Conference of Gujarat Statistical Association (GSA), B.P. College of Computer Studies (BCA), Gandhinagar, 14th & 15th October, 2006

#### **OP/RC/FIP/FDP**

- Online webinar “Financial Awareness in Modern Life” organized by KCG and education department, GOG, April 2024, under the initiative TEERTH.
- UGC sponsored Orientation Program organized by ASC Gujarat University Ahmedabad, Nov 2011.