

DR. SEJAL DESAI

EDUCATION

Veer Narmad South Gujarat University, Surat

Ph.D. in Statistics 2005

Dissertation: Some Aspects of Assessment of Dispersion in Normal Population and SQC Charts for Variables

South Gujarat University, Surat

P.G. Diploma in Computer Application 1991

South Gujarat University, Surat

M.Sc. in Statistics 1990

South Gujarat University, Surat

B.Sc. in Statistics 1988

AWARDS

Best Paper Award

Combination of MEAN and RMSD Charts as an alternative of combination of X and R charts and combination of X and S Charts at XXIII Gujarat Science Congress-2009, **February 2009**

RECOGNITION

Recognition as Supervising Teacher for Ph.D. Degree in the subject of Statistics under the Faculty of Commerce & Science. Uni. Later No.: PG/Ph.D. ST/6562/2017, Date: 13/04/2017.

TEACHING EXPERIENCE

J.Z. Shah Arts & H.P. Desai Commerce College, Amroli, Surat

Associate Professor (Statistics) [2009-till date Year]

J.Z. Shah Arts & H.P. Desai Commerce College, Amroli, Surat

Lecturer (Statistics) 1997 - 2009

J.Z. Shah Arts & H.P. Desai Commerce College, Amroli, Surat

Lecturer – Part Time (Statistics)

1995 - 1997

Shah N.H. Commerce College, Valsad

Lecturer – Part Time (Statistics)

1991 - 1997

PG Teaching

Department of statistics & J.Z. Shah Arts & H.P. Desai Commerce College, Amroli Since 2005

RESEARCH EXPERIENCE

Research Experience

M.Phil.:3 awarded &1 (on going)

Ph.D.: 02 (ongoing)

Project Guided: 04 (MSc Applied statistics)

❖ PUBLICATIONS (PAPERS)

- I. On eradication of bias from ratio and product estimates, Journal of South Gujarat University, V1, 2003, 51 – 54
- II. Internal and External Quality Factors which are Associated with Quality Education, Proceedings of NAAC sponsored National Seminar on Role of IQAC in Identifying Best Practices, Nov. 2008, 120 – 124
- III. Combination of Mean and RMSD (Root Mean Square Deviation) charts as an Alternative of Combination of Xbar and R-chart and combination of Xbar and S chart, VNSGU Journal of Science and Technology, Vol 1 – 1, June 2009, 83 – 94 (ISSN :0975 5446)
- IV. An overview of use of Mathematical and Statistical Tools and Techniques in Optical Character Recognition in Indian Languages, Journal of Science -Tech Research, Vol. II, Issue – II, July – Dec – 2011, 24 – 30 (ISSN 0974 – 9780)
- V. Issues of measuring Dispersion in “Shewhart’s Quality charts for variable in case of Desired Quality Level is known, International journal of Advances in Management, Technology & Engineering Sciences, vol.1, Issue11.August 2012(ISSN:2249-7455)
- VI. A study on Demography of the state of Gujarat from the perception of Sex ratio, International Research Journal of Humanities and Environmental Issues, Vol.1, Issue 5, August 2012(ISSN: 2277-9329)
- VII. A study of population Trend for Surat city, International Research Journal of Commerce, Business and Social Sciences, vol, II, Issue 11 (IV), February 2014,89 – 93 (ISSN: 2277-9310)
- VIII. Growth of Crime Rate Against Women in Surat City International Research Journal of Commerce, Business and Social Sciences, vol, II, Issue 11 (IV), February 2014,89 – 93 (ISSN: 2277- 9310)
- IX. A Study on Price Analysis of Milk for Sumul Dairy, International Journal of Multidisciplinary Research, Vol. II, Issue 12 (II), March 2014, 58 – 62 (ISSN: 2277 – 9302)
- X. The measurement of Foreign Direct Investment and Relationship to Activities of Multinational Corporations, Proceeding of UGC sponsored National Level Inter Disciplinary seminar on Historical Background & Political Analysis of F.D.I 15&16TH March ,2014 (ISBN: 978-93-83993-87-1)
- XI. A study on Demonetization in India 2016 and Challenges for Rural India. In the Journal of Commerce Window- An International Peer Reviewed Bi- Annual Journal, Jan-June, 2017 ISBN/ISSN number:2348-6996
- XII. Joint Research Paper entitled "A Study on Demography of Surat city from the Perception of Gender Ratio" published in IDEES-International Multidisciplinary Research Journal Peer Reviewed (Online), ISSN- 2455-4642, Vol.2, Issue – 1, Dec. 2016, page no.1-14.
- XIII. Research Paper entitled "A Study on Demonetization in India 2016 and Challenges for Rural India" published in Commerce Window- An International Peer Reviewed Bi-Annual Journal, ISSN- 2348-6996, Vol-1, Issue No-6, January-June-2017, page no.7-10.

❖ PUBLICATIONS (BOOKS)

- I. F.Y. B. Com Statistics, B.S. Shah Prakashan Since 1996
- II. S.Y.B.Com. Statistics B.S. Shah Prakashan Since 1997
- III. Statistics, Popular Prakashan, 1998
- IV. IV.T.Y. B. Com, Statistics, B.S. Shah Prakashan Since 1998
- V. Statistical Methods in Business and Management, Horizon Press, 2013
(ISBN: 987 – 81 – 926654 – 9 – 8)

❖ PAPERS PRESENTED

- I. On Mean and Mean of Absolute Deviation (Moad) Control Chart Based On Deviation (Errors) Measured About Targeted Process Mean (Tpm) At UGC Sponsored National Level Seminar On Recent Trends in Bio-Medical Statistics, Ahmadabad, 24 -25 Feb.2007
- II. Combination of Mean and RMSD Charts as an Alternative of Combination of X and R charts and Combination of X and S Charts at Xxiii Gujarat Science Congress-2009, On 15 February, 2009
- III. Bhartiya Pracheen Sanskrit Grantho Nu Ganitshetre Pradanat UGC Sponsored National Seminar On Science and Technology in Sanskrit at Arts and Com. College, Amroli- Surat 24th Jan. and 25th Jan
- IV. Growth of Crime Rate Against Women in Surat City at National Conference On Issues On Global Accounting IFRS 2014 At Arts and Com. College, Amroli- Surat, 21st Feb.
- V. A study of population Trend for Surat city, at National Conference On Issues On Global Accounting IFRS 2014 At Arts and Com. College, Amroli- Surat, 21st Feb.
- VI. A Study On Price Analysis of Milk for Sumul Dairy at International Interdisciplinary Conference On Changes, challenges and consequences in commerce, management, engineering, technology and social science, 15th March, 2014, Pune
- VII. Presented the paper entitled Link Relative Method to Compute Seasonal Variation in Biomedical Waste for Surat City in the One Day State Level Seminar on Recent Statistical Trends in Business and Management(RSTBM) organized by Department of Statistics, VNSGU, Surat & UCCC & SPBCBA & UACCAIT, Managed by Udhna Academy Education Trust on February 1,2015
- VIII. Presented the paper entitled Some Neglected Aspects of Conventional Shewhart Control Charts for Variable (with fixed location parameter) in SPC in the One Day State Level Seminar on Recent Statistical Trends in Business and Management(RSTBM) organized by Department of Statistics, VNSGU, Surat & UCCC & SPBCBA & UACCAIT, Managed by Udhna Academy Education Trust on February 1,2015
- IX. Participated and presented a paper entitled "Analysis of vital statistics of Surat City from perception of mortality measures" in the National Seminar on Role of Statistics in Research organized by Dept. of Statistics, VNSGU and J.Z. Shah Arts & H.P.Desai Commerce, College, Surat on 5 March, 2017.

- X. Participated and presented a paper entitled "A Comparative Analysis of Flipkart and Amazon India" in the National Seminar on Role of Statistics in Research organized by Dept. of Statistics, VNSGU and J.Z. Shah Arts & H. P. Desai Commerce, College, Surat on 5 March, 2017.
- XI. Participated and presented a paper entitled "A Study on Demonetization in India 2016 and Challenges for Rural India" in the National Seminar on Demonetization of Currency in India organized by J. Z. Shah Arts & H.P. Desai Commerce College, Amroli & International Society for Applied Commerce on 11 February, 2017.

❖ **CONFERENCES, SEMINARS & WORKSHOPS**

- I. Attended University Level Seminar On Statistics Held at Shah N. H. Com. College, Valsad On 26 Nov. 2006
- II. UGC Sponsored State Level Seminar On Integration of ICT in Teaching -Learning Process at Sanskar Kendra, College Campus, Tihtal Road, Valsad On 12th Feb.’
- III. Seminar On Gyan Shakti, Yuva Shakti & Development as Part of the Zonal Celebration of Swarnim Year of Gujarat-Surat On 21st April’
- IV. Three Days Workshop On Promotion of Culture of Quality Through Research Jointly Organized by Higher Education and Knowledge Consortium of Gujarat, 4 -6 March, 2012
- V. Bharatiy Vichar Sadhna, Surat Mahanagar On 8 Sept. 2012
- VI. Three-Days Workshop (Phase-1) On Training & Capacity Building, Jointly Organized by Knowledge Consortium & Higher Education District Surat at J.Z. Shah Arts &H.P.Desai Commerce College, Amroli from 11th To 13th October,2012
- VII. Deity & Negp Sponsored Seminar On E-Governance & National E-Governance Plan (Negp), Department of Computer Science, Veer Narmad South Gujarat University, 6 th April, 2013
- VIII. One-Day Seminar On Direct Taxes Code, S.P.B College of Commerce, Surat, 14 th Nov. 2009
- IX. One-Day Review Workshop On Curriculum Development Designing, KCG, Surat, 23rd March, 2013
- X. State Level Conference On Accounting and Finance, Navyug College of Commerce, Surat, 27 December, 2009
- XI. National Sanskrit Seminar, J. Z. Shah Arts and H.P. Desai Commerce College, Surat, 24 – 25 January, 2010th
- XII. Training Program On Choice Based Credit System, KCG & VNSG University, 10th July, 2011

❖ **Key note Speaker/ Resource person/ Expert talk**

- I. Invited as a Resource person in a one-week program on Preparing Research Proposal and Capability Building in Learning Outcome Oriented Course Development jointly organized by Knowledge Consortium Gujarat and Arts & Science College, Ahmedabad from May 23rd to 28th, 2013.

- II. Invited as a Resource person to chair the technical session in the national conference held on issue on Global Accounting; International Financial Reporting Standard (IFRS) organized by J. Z. Shah Arts & H. P. Desai Commerce College, Amroli, Surat on 21st February, 2014.
- III. Invited as a Guest faculty to deliver a lecture on Guidance Programmes for Competitive Examinations organized at Shri Surat Jilla Sahakari Bank Commerce College & Shri Sayan Sahakari Khand Udhoyg Arts College, Olpad, Dist.: Surat under the aegis of UDISHA on 19th January, 2016.
- IV. Invited as a Resource person to deliver a lecture on vision and mission of UDISHA in the workshop on Soft Skills Training Program organized for students in collaboration with Knowledge Consortium Gujarat, Gandhinagar and UDISHA in the institute from 24th February, 2016.
- V. Guest Lecture on “Self Confidence” at shri Jilla Sahakari Bank of Commerce College & Shri Sayan Shakari Khand Udhoyg Arts College, Olpad, Surat on 15th Feb,2018
- VI. Resource person to chair the technical Session to one Day National Seminar on Statistics: Recent Innovation and Future Challenges organized by Sir K.P College and V.N.S.G.U on 28th January,2018
- VII. Participated as a Key note Speaker in the Workshop on “Need, Emerge & Scope of Research” organized by J.Z. Shah Arts & H.P Desai Commerce College Amroli, Surat on 16th Dec.,2018
- VIII. Invited as a Guest Lecturer to deliver a lecture on Guidance Programmes for Competitive Examinations organized by Shri Surat Jilla Sahakari Bank Commerce College & Shri Sahakari Khand Udhoyg Arts College, Olpad Dist. Surat on 11th January, 2017.
- IX. Invited as a Resource Person to Chair the technical Session to National Seminar on Demonetization of Currency in India organized by J.Z. Shah Arts & H.P.Desai Commerce, College, Amroli & International Society for Applied Commerce on 11 Feb. 2017.

❖ **Participated in seminar/conference/FDP**

- I. Participated in the National Conference held on Issue on Global Accounting; International Financial Reporting Standard (IFRS) organized by J. Z. Shah Arts & H. P. Desai Commerce College, Amroli, Surat on 21st February, 2014.
- II. Participated in the workshop on New Directions in Education organized by J.Z. Shah Arts & H.P. Desai Commerce College in collaboration with Osho Lotus Charitable Trust held on 24th Dec., 14 held at V.T. Chowksi B.Ed. College, Surat.
- III. Participated in the One Day State Level Seminar on Recent Statistical Trends in Business and Management(RSTBM) organized by Department of Statistics, VNSGU, Surat & UCCC & SPBCBA & UACCAIT, Managed by Udhna Academy Education Trust on February 1,2015.
- IV. Participated in the faculty Development Program for the Elective course on Campus to Corporate designed by Tata Consultancy Services from 12th to 16th October, 2015 and held at J. Z. Shah Arts & H.P. Desai Commerce College, Amroli- Surat.
- V. Participated in the one-day National Seminar on "Performance Based Appraisal System through API" organized by Vanita Vishram Women's College of Commerce, Surat on 17th September, 2016.

- VI. Participated in the One Day Seminar on Enhancing Quality Education in Commerce organized by Veer Narmad South Gujarat University on 22 March, 2017.

❖ Achievements

- I. Co-ordinated the faculty Development Program for the Elective course on Campus to Corporate designed by Tata Consultancy Services from 12th to 16th October, 2015 and held at J. Z. Shah Arts & H.P. Desai Commerce College, Amroli- Surat.
- II. Worked as coordinator of the workshop on Soft Skills Training Program for students in collaboration with Knowledge Consortium Gujarat, Gandhinagar and UDISHA in the institute from 24th to 27th February, 2016.
- III. Convener of National Seminar on "Role of Statistics in Research" jointly Organized by Dep. of Statistics, VNSGU and J.Z. Shah Arts & H.P. Desai Commerce College, Amroli, Surat.
- IV. Worked as a Reviewer for 12th standard book in commerce stream published by GUJARAT STATE SCHOOL TEXT BOOK BOARD in Statistics subject.
- V. Co-coordinator of Certificate course “Campus to Corporate” with TCS in the institute from 4th October ,2016 to 17th October,2016.
- VI. Co-coordinator of One Day Faculty Development Programme on “New Methodology of NAAC” organized by J. Z. Shah Arts & H.P Desai Commerce College. Amroli, Surat on 27th Feb,2018