

# **DR. SEJAL A. DESAI**

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## **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 :**

South Gujarat University, Surat

## **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**

### ***Best Paper Award***

“Nonparametric control charts for scale parameter.” jointly presented at the International Conference ‘Emerging Issues in Development for Future Generation’ by International Institute for Development Studies (IIDS), Australia held at J.Z. Shah Arts & H.P. Desai Commerce College, Amroli on **12th & 13th February, 2020.**

## **RECOGNITION :**

Recognition as Regular Part Time Teacher. Uni. Letter No: NKM/86/91-92, Date: 29/11/1991

Recognition as Regular Full Time Teacher. Date: 24/11/1997

Recognition as P.G Teacher in the subject of Statistics under the Faculty of Commerce & Science. Uni. Later No.: PG/PGT/RECOG/5732/1996, Date: 08/07/1997.

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**

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

**Lecturer – Part Time (Statistics)**

**1991 - 1997**

Shah N.H. Commerce College, Valsad

**PG Teaching :**

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

**RESEARCH EXPERIENCE**

M.Phil. : 3 students awarded  
Ph.D. : 04 students ongoing  
Project Guided : 04 Group (MSc Applied statistics)

**❖ Publications (BOOKS) :**

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

**❖ Article Publication (PAPERS) :**

- “On eradication of bias from ratio and product estimates”, Journal of South Gujarat University, V1, **2003**, 51 – 54
- “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
- “Combination of Mean and RMSD (Root Mean Square Deviation) charts as an Alternative of Combination of X-bar and R-chart and combination of X-bar and S chart”, VNSGU Journal of Science and Technology, Vol 1 – 1, **June 2009**, 83 – 94 (ISSN :0975 5446)
- “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)
- “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, Issue-11, **August 2012**(ISSN:2249-7455)

- *"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)
- *"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)
- *"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)
- *"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)
- *"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&16<sup>th</sup> March ,2014** (ISBN: 978-93-83993-87-1)
- 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.
- *"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
- *"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.
- *"An Empirical Study on Application of Wilcoxon signed rank test in Statistical Process Control when process target is fixed"* "International Journal of Management, IT & Engineering" Vol.-8, Issue – 8, ISSN-2249-0558, **August -2018**, page 130-136
- *"A Study of Gender Ratio And Literacy Rate In India: Trend And Immerging Issues"* "IDEES" International Multidisciplinary Research Journal Vol.-6,Issue – 1, ISSN-2455-4642, **Jan to June -2020**, page 930-942
- *"A Study on Comparative Analysis of E-Commerce Purchasing Behaviour of Youth Customers between Clothing and Food Product with Special Reference to Surat City"* "IDEES" International Multidisciplinary Research Journal (Peer Reviewed) Vol.-6,Issue – 2, ISSN-2455-4642(Online), **July to Dec -2020**, page 786-797

#### ❖ Paper Presented in Seminar / Conference :

- *"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 RecentTrends in Bio-Medical Statistics, Ahmadabad, **24 -25 Feb.2007**
- *"Combination of Mean andRMSD Charts asan 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**

- *“Bhartiya Pracheen Sanskrit Grantho Nu Ganitshetre Pradana”* UGC Sponsored National Seminar On Science and Technology in Sanskrit at Arts and Com. College, Amroli- Surat **24<sup>th</sup> - 25<sup>th</sup> January,2010**
- *“Growth of Crime Rate Against Women in Surat City”* at National Conference On Issues On Global Accounting IFRS At Arts and Com. College, Amroli- Surat, **21st Feb. 2014**
- *“A study of population Trend for Surat city”*, at National Conference On Issues On Global Accounting IFRS At Arts and Com. College, Amroli- Surat, **21st Feb. 2014**
- *“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
- *“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**
- *“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**
- *“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.**
- *“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.**
- *“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.**
- *“ A Study of Gender Ratio And Literacy Rate In India: Trend And Immerging Issues ”* in International conference "Emerging issue in Development for Future Generation" ORGANIZED BY J.Z. Shah Arts and H.P Desai Commerce College Amroli-Surat associated with IQAC and IIDS Australia ,**12<sup>th</sup>- 13<sup>th</sup> February ,2020**
- *“Nonparametric control charts for scale parameter.”* jointly presented at the International Conference ‘Emerging Issues in Development for Future Generation’ by International Institute for Development Studies (IIDS), Australia held at J.Z. Shah Arts & H.P. Desai Commerce College, Amroli on **12th & 13th February, 2020.**
- *“Case Study of College Students tendency towards on online shopping.”* jointly presented at the International Conference ‘Emerging Issues in Development for Future Generation’ by International Institute for Development Studies (IIDS), Australia held at J.Z. Shah Arts & H.P. Desai Commerce College, Amroli on **12th & 13th February, 2020.**

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

- Attended University Level Seminar On Statistics Held at Shah N. H. Com. College, Valsad On **26 Nov. 2006**
- One-Day Seminar On Direct Taxes Code, S.P.B College of Commerce, Surat, **14<sup>th</sup> Nov.2009**
- State Level Conference On Accounting and Finance, Navyug College of Commerce, Surat, **27 December, 2009**
- National Sanskrit Seminar, J. Z. Shah Arts and H.P. Desai Commerce College, Surat, **24 – 25 January, 2010**
- UGC Sponsored State Level Seminar On Integration of ICT in Teaching -Learning Process at Sanskar Kendra, College Campus, Tihtal Road, Valsad On **12th Feb.' 2011.**
- Seminar On Gyan Shakti, Yuva Shakti & Development as Part of the Zonal Celebration of Swarnim Year of Gujarat-Surat On **21st April' 2011**
- Training Program On Choice Based Credit System, KCG & VNSG University, **10th July, 2011**
- 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**
- Bharatiy Vichar Sadhna, Surat Mahanagar On **8 Sept. 2012**
- 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**
- Deity & Negp Sponsored Seminar On E-Governance & National E-Governance Plan (Negp), Department of Computer Science, Veer Narmad South Gujarat University, **6<sup>th</sup> April, 2013**
- One-Day Review Workshop On Curriculum Development Designing, KCG, Surat, **23rd March, 2013**
- 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 **21<sup>st</sup> February, 2014.**
- 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 **24<sup>th</sup> Dec., 14** held at V.T. Chowksi B.Ed. College, Surat.
- 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.**
- Faculty Development Program for the Elective course on Campus to Corporate designed by Tata Consultancy Services from **12<sup>th</sup> to 16<sup>th</sup> October, 2015** and held at J. Z. Shah Arts & H.P. Desai Commerce College, Amroli- Surat.
- One-day National Seminar on "Performance Based Appraisal System through API" organized by VanitaVishram Women's College of Commerce, Surat on **17th September, 2016.**
- One Day Seminar on Enhancing Quality Education in Commerce organized by Veer Narmad South Gujarat University on **22 March, 2017.**

- One day National Seminar on "*Advances in Statistics and Its Applications*" Jointly Organised by Smt. C.D.J.Rofel Arts and Smt. I.S.R.A Rofel Commerce College, Vapi and Dep of Statatics, VNSGU, Surat on **9 July, 2017**
- One Day Faculty Development Programme on "*New Methodology of NAAC*" organised by J.Z.Shah Arts and H.P.Desai Commerce College, Amroli ,Surat on **27th February, 2018.**
- National Workshop on "New Methodology of NAAC" organised by Z.F.Wadia women's College and N.K.Jhota College of Commerce, Surat on **26th February, 2018.**
- Two Days UGC-MHRD Sponsored International Faculty Development Program-Phase - I from **19th-20th January,2018** and Phase-II on **7th March, 2018** Jointly organised by KCG and Veer Narmad South Gujarat Univeristy, Surat
- One Day Workshop on GSIRF at Knowledge Consortium of Gujarat, Ahmedabad on **8th October, 2018**
- One Day Workshop on NIRF at Knowledge Consortium of Gujarat, Ahmedabad on **16th November, 2018**
- One Day Workshop on NAAC at Knowledge Consortium of Gujarat, Ahmedabad on **16th November, 2018**

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

- 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 23<sup>rd</sup> to 28<sup>th</sup>, 2013.**
- 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 **21<sup>st</sup> February, 2014.**
- Invited as a Guest faculty to deliver a lecture on Guidance Programmes for Competitive Examinations organized at Shri Surat JillaSahakari Bank Commerce College & Shri SayanSahakariKhandUdhyog Arts College, Olpad, Dist.: Surat under the aegis of UDISHA on **19<sup>th</sup> January, 2016.**
- 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 **24<sup>th</sup> February, 2016.**
- Guest Lecture on "Self Confidence" at shrijillaSahakari Bank of Commerce College& Shri SayanShakariKhandUdhyog Arts College, Olpad, Surat on **15<sup>th</sup> Feb,2018**
- 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 **28<sup>th</sup> January,2018**

- 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 **16<sup>th</sup> Dec., 2018**
- 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 Udhog Arts College, Olpad Dist. Surat on **11<sup>th</sup> January, 2017.**
- 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.**
- Invited as a session coordinator at Virtual International Multidisciplinary Conference on Emerging Issues of development organised by IQAC D.R. Patel & R.B. Patel College & B.C. Patel B.B.A. College on **19<sup>th</sup> July, 2020.**

### ❖ **Achievements :**

- Worked as **Co-ordinated the faculty Development Program** for the Elective course on Campus to Corporate designed by Tata Consultancy Services from **12<sup>th</sup> to 16<sup>th</sup> October, 2015** and held at J. Z. Shah Arts & H.P. Desai Commerce College, Amroli-Surat.
- Worked as **Co-ordinator of the workshop on Soft Skills Training Program** for students in collaboration with Knowledge Consortium Gujarat, Gandhinagar and UDISHA in the institute from **24<sup>th</sup> to 27<sup>th</sup> February, 2016.**
- Worked as **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. **5<sup>th</sup> March, 2017**
- **Worked as a Reviewer** for 12th standard book in commerce stream published by GUJARAT STATE SCHOOL TEXT BOOK BOARD in Statistics subject.
- Worked as **Co-coordinator of Certificate course “Campus to Corporate”** with TCS in the institute from **4<sup>th</sup> – 17<sup>th</sup> October, 2016.**
- Worked as **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 **27<sup>th</sup> Feb, 2018**
- Worked as **Co-coordinator of International conference** " Emerging issue in Development for Future Generation" ORGANIZED BY J.Z. Shah Arts and H.P Desai Commerce College Amroli-Surat associated with IQAC and IIDS Australia, **Feb-12-13, 2020**
- **Worked as IQAC Co-ordinator since from 2016 and J.Z.Shah Arts and H.P.Desai Commerce College, Amroli reaccredited with B++ Grade (2.94 CGPA), September, 2019 by NAAC in 3<sup>rd</sup> Cycle.**