

CAREER PROFILE OF Dr. TUSHAR N. DESAI



1. Name : DR. TUSHAR NARENDRABHAI DESAI
2. Date of Birth / Age : 27/03/1959, 57 yrs.
3. Present Employment : Associate Professor in Mechanical Engineering Department, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat.
4. Address (O) : Department of Mechanical Engineering,
Sardar Vallabhbhai National Institute of Technology,
Ichchhanath-Dumas Road,
Surat – 395 007.
Gujarat, India
Phone No. (0261) 2259571,2259582
Fax No. (0261) 2227334, 2228394
Mobile: 099246 80088
E-mail: tushardesaisvnit@gmail.com
tnd@med.svnit.ac.in
- (R) : 7- China Gate No: 1 Housing Society,
B/H Gayatri Temple,
New Citylight Road,
SURAT – 395 017, Gujarat, India
Phone No.:- (0261) 2264425
5. Total Professional Experience : From 1980 to 1984 -Industrial Field
From 1984 onwards -Academic Field
6. Area of Specialization & Interest : Industrial Engineering, Total Quality Management (TQM), Production / Operations Management, Six Sigma, Lean Manufacturing etc.

7. Educational Qualification

B.E. (Mechanical)	S.V.R. College of Engineering & Technology, Surat
M.E. (Mechanical)	S.V.R. College of Engineering & Technology, Surat
Ph.D. (Industrial Engineering)	RTM Nagpur University, Nagpur

8. Experience (Employment Record)

Sr. No.	Employer	Designation	Duration	Nature of work & level of Responsibility
1	Magdalla Port Development Project, Surat	Junior Engineer	1/12/80 to 13/4/81	<ul style="list-style-type: none"> • Vendor Developments • Administration
2	Voltas Ltd., Ahmedabad	Graduate Apprentice Engineer	15/4/81 to 29/3/82	<ul style="list-style-type: none"> • Design, Errection, Commissioning, Maintenance of Air-conditioning Plants
3	LMP Precision Engg. Co. Pvt. Ltd., Bilimora, Gujarat	Sales Engineer	1/7/82 to 30/4/84	<ul style="list-style-type: none"> • Overall Techno -commercial marketing • Market promotions
4	S. V. Regional College of Engineering & Technology, Surat	Lecturer – Mechanical Engineering	From May 1984 Onwards	<ul style="list-style-type: none"> • Teaching at UG and PG levels • Other academic & administrative activities
5	SVNIT, Surat	Associate Professor	From 2006 onwards	-----Do-----

9. Professional Training

Sr. No.	Particular of Course	Organization	Duration
1	ISTE Summer School on “Finite Element Method for Mechanical Engineering”.	Department of Mechanical Engineering , SVRCET, Surat	June 7-19, 1993
2	Training Programme on “Industry Institute Partnership”	ISTE and SVRCET, Surat	March 10-12, 1995
3	Faculty Development Progamme on “Production Management”	ICFAI, Hyderabad	May29 - June2, 1995
4	QIP Short Term Course on “Japanese Management Philosophies & Techniques for Operations Management”	Department of Mechanical Engineering , Engineering College, Kota, Rajasthan	June 17-29, 1996
5	Workshop on “TQM & ISO-9000 in Technical Education”	ISTE, SVRCET, Surat Chapter	Sept. 30, 1995

6	AICTE sponsored Winter School on "Total Quality Management"	Department of Mechanical Engineering, Institute of Technology, BHU, Varanasi, UP	Dec. 9-20, 1996
7	Workshop on "Ergo Methods, Guidelines & Standards"	NITIE, Mumbai	Sept.26-28, 2005
8	Management Development Programme on "New Trends in Quality Management"	NITIE, Mumbai	Feb. 13-17, 2006
9	Six Sigma Green Belt Programme	Yeshwantrao Chavan College of Engineering, Nagpur	Jan 30, 31 & Feb. 1, 2009
10	Faculty Development Programme on "Statistical Analysis Using SPSS"	Department of Business & Industrial Management, G.H. Bhakta Management Academy, Veer Narmad South Gujarat University, Surat	February 4-5 , 2012

10. Ph.D Supervision: 03 Candidates (Ongoing- 2 at SVNIT and 1 at C.U. Shah University, Surendranagar, Gujarat)

11. Consultancy: Consultancy on Six Sigma

12. Details of Research Publications

International Journals

Sr. No.	Title of Paper & Name of Author(s)	Name of Publisher	Month & year	Presentation / Publication
1	Six Sigma – A Breakthrough Improvement Strategy for Business Improvement Dr. Tushar N. Desai & Dr. R. L. Shrivastava	International Journal of Research in Commerce and Management	September-2010 issue	Paper published
2	Kaizen-In Indian Context N.K.K. Prasanna & Dr. Tushar N. Desai	International Journal of Research in Computer Application and Management	March, Vol.2, No. 3, 2011	Paper published
3	Quality Assured Maintenance Management in Petrochemical Industry- N.K.K. Prasanna & Dr. Tushar N. Desai	Journal of Engineering Research and Study	Vol. 2 No. 111, 2011 pp.1-5 (ISSN No. 0976-7916)	Paper published
4	Quality circle implementation for Maintenance Management in	Journal of Engineering Research and Study	Vol. 2 No. 1, 2011,pp.	Paper published

	petrochemical industry- N.K.K. Prasanna & Dr. Tushar N. Desai		155-162	
5	“Six Sigma Quality Management Technique - An overview’ Jayesh Pathak & Dr.Tushar N. Desai	Journal of Engineering Research and Study	Vol.II No. III,2011, pp.64-72	Paper published
6	Impact of Human Error in Maintenance Management and Minimizing Methodology N.K.K. Prasanna & Dr. Tushar N. Desai	International Journal of Research in Commerce and Management	Vol.2 No.2,2012	Paper published
7	Reduction of Rework the Six Sigma way- A case study of an Indian small scale industry Prasenjeet Gholap & Dr. Tushar N. Desai	International Journal of Six Sigma and Competitive Advantage	Vol.7, No.1, 2012, pp.92-116	Paper published
8	Effective Maintenance Management in Petrochemical Industries N.K.K. Prasanna & Dr. Tushar N. Desai	International Journal of Research in Commerce and Management	Paper published	Paper published
9	Lean Six Sigma: A Categorized Review of the Literature Gunjan Yadav & Dr. Tushar N. Desai	International Journal of Lean Six Sigma	Vol. 7, No. 1, 2016	Paper published
10	A Fuzzy AHP Approach to Prioritize the Barriers of Integrated Lean Six Sigma Gunjan Yadav & Dr. Tushar N. Desai	International Journal of Quality and Reliability Management	Accepted	Accepted for Publication

National Journals

Sr. No.	Title of Paper & Name of Author(s)	Name of Publisher	Month & year	Presentation / Publication
1	Development of Taper Threading Attachment on Lathe Dr. H. J. Nagarsheth & Dr. T. N. Desai	Journal of Engineering & Technology, Sardar Patel Uni., Vallabh Vidyanagar, Gujarat	March - 1998	Paper Published
2	Six Sigma : A Break through Improvement Strategy : Revolution for Indian Industries Dr.D. A. Desai & Dr. T. N. Desai	Journal of Engineering & Technology, Sardar Patel Uni., Vallabh Vidyanagar, Gujarat	December - 2007	Paper Published
3	Lean Manufacturing-Philosophy & Principles Dr.T. N. Desai	Industrial Engineering Journal-Indian Institution of Industrial Engineering	Feb,2010	Paper Published

4	Total Quality Management for Excellence in Technical Education Dr.T. N. Desai	The Indian Journal of Technical Education-Indian Society for Technical Education, New Delhi.	Oct-Dec, 2009	Paper Published
5	A study of the interrelationship between Total Quality Management and Productivity Dr. Tushar Desai & Mr. Akhil Teja	Journal of Productivity – National Productivity Council, New Delhi	January-March 2010	Paper Published
6	Technical Educational Quality and Productivity Improvement Model through Total Quality Management and Operations Strategies Dr. Tushar Desai	Indian Journal of Technical Education -Indian Society for Technical Education, New Delhi.	April-June,2010	Paper Published
7	Statistical Concepts associated with Six Sigma – An overview Dr. Tushar N. Desai & Dr. R. L. Shrivastava	Industrial Engineering Journal- Indian Institution of Industrial Engineering	June,2010	Paper Published
8	An Effective application of Design of Experiments in Process Industry Dr. Tushar N. Desai, Shri. Vimal Vyas & Dr. R. L. Shrivastava	Industrial Engineering Journal- Indian Institution of Industrial Engineering	February 2012	Paper published
9	Overcoming barriers to Total Quality Management's Success Dr. Tushar Desai	Journal of Productivity-National Productivity Council, New Delhi	July –Sept. 2010, Vol.51 No.2	Paper Published,
10	A Review & Comparison of Total Quality Management & Six Sigma Dr. Tushar N. Desai & Dr. R. L. Shrivastava	VNSGU Journal of Administration & Management	Dec.-2010 issue.	Paper published
11	Comparison of Six Sigma with Total Quality Management, Kaizen, Quality Circles, Juran Quality Improvement, Lean Management, ISO 9000 & Business Excellence Awards Dr. Tushar N. Desai & Dr. R. L. Shrivastava	Industrial Engineering Journal- Indian Institution of Industrial Engineering	July 2011	Paper Published
12	"Implementing Design for Six Sigma as A Design Tool to Develop Defect Free Product Design Cycle" Dr. Tushar N. Desai & Mr. Ravi Kastoori	Manufacturing Technology & Management- Indian Institution of Production Engineers	December, 2010	Paper published
13	The Origin, History and Definition of Six Sigma Dr. Tushar N. Desai & Dr. R. L.	VNSGU Journal of Administration & Management	June,2011 issue	Paper Published

	Shrivastava			
14	Quality Circles – applicable to Maintenance Management in a Petrochemical Industry N.K.K. Prasanna & Dr. Tushar N. Desai	Journal of Engineering Research and Study	April, 2011	Paper published
15	Advanced Quality Management Philosophies and Techniques - Applied to Maintenance Management in a Petrochemical Industry N.K.K. Prasanna & Dr. Tushar N. Desai	Journal of Engineering Research and Study	Vol. 2 No. 111, 2011, p.p. 10-18	Paper Published
16	Effective Maintenance Management in Petrochemical Industry N.K.K. Prasanna & Dr. Tushar N. Desai	Journal of Engineering Research and Study	Vol.1 No.7, 2011	Paper Published
17	Overcoming barriers to Six Sigma Quality Management's Success Dr. Tushar Desai & Dr. R. L. Shrivastava	Industrial Engineering Journal- Indian Institution of Industrial Engineering	August 2012	Paper Published
18	Six Sigma in a Indian Chemical Industry -a Case Study Jayesh Pathak, Dr. Tushar N Desai & Ashish Chauhan	Industrial Engineering Journal- Indian Institution of Industrial Engineering	Vol. VI, No. 12, December 2013	Paper Published
19	Perspectives of Insurance Companies Regarding Service Quality Management And Improvement Mahesh R. Shukla, Dr. R. L. Shrivastava & Dr. Tushar N. Desai	Industrial Engineering Journal- Indian Institution of Industrial Engineering	Vol. VIII Issue No. 02, February 2015	Paper Published
20	Strength and Challenges of Integrated Lean Six Sigma in context of Manufacturing Industries Gunjan Yadav & Dr. Tushar N. Desai	Industrial Engineering Journal- Indian Institution of Industrial Engineering	Vol. VIII, No. 3, March 2015	Paper Published

International Conferences

Sr. No.	Title of Paper & Name of Author(S)	Name of Conference	Name of Organizer	Month & year	Presentation / Publication
1	Ergonomic Product Design Model based on a Quality Function Deployment Design	International Conference on Humanizing Work & Work Environment HWWE-2005	IIT, Guwahati, Assam	December 10-12, 2005	Paper Presented & published

	System Dr.T.N. Desai				
2	Cost of Quality: A Key Performance Indicator for TQM Darshak A. Desai & T. N. Desai	First International & 22 nd All India Manufacturing Technology Design & Research Conference	IIT, Roorkee, Uttranchal	December 21-23, 2006	Paper Presented & published
3	Total Quality as a New Global Competitive Strategy Dr. T.N. Desai & Dr.Darshak A. Desai	International Conference on Advances in Manufacturing & Technology Management	Parshvanath College of Engg., Thane, Mumbai in association with Mumbai University	January 18-20, 2007	Paper Presented & published
4	Quality Indicators for Technical Education System Dr.T. N. Desai, Dr.Darshak A. Desai & Dr. R. L. Shirvastava	International Conference on Quality Management Practices	Institute of Technology & Management, Navi Mumbai, Maharashtra	August 16-17, 2007	Paper Presented & published
5	Adopting and Implementing Six Sigma in an Indian Industry Dr.T. N. Desai, P.P. Shah & Dr. R. L. Shirvastava	International Conference on Quality Management Practices	Institute of Technology & Management, Navi Mumbai, Maharashtra	August 16-17, 2007	Paper Presented & published
6	Engine Assembly Process Quality Improvement using Six Sigma Dr. R. L. Shrivastava, Khwaja Izhar Ahmed & Dr.T.N.Desai	International Conference of Manufacturing Engineering and Engineering Management	World Congress on Engineering , London, UK	July 2-4, 2008	Paper presented and published
7	Six Sigma: A Breakthrough Business Improvement Strategy for Achieving Competitive Advantage – A Case Study Dr.T.N. Desai & Dr.R.L.Shrivastava	International Conference on Emerging Trends in Engineering and Technology	Raisoni College of Engineering, Nagpur	July 16-18, 2008	Paper presented and published
8	Six Sigma – A New Direction to Quality and Productivity	International Conference on Systems Engineering & Engineering	World Congress on Engineering	October 22-24, 2008	Paper presented & published

	Management Dr. T. N. Desai & Dr. R. L. Shirvastava	Management	and Computer Science(WCE CS-2008) at SanFrancisco, USA		
9	Six Sigma and Maintenance Management in a Chemical Industry – A Case Study J. J. Pathak & Dr.T. N. Desai	International Conference on Industrial Engineering and Systems Management	World Academy of Science, Engineering & Technology (WASET) Paris, France	July 27-29, 2011	Paper presented & published
10.	Integration of Maintenance Strategies for Improved Asset Reliability and Availability N.K.K. Prasanna, Shakti Akula & Dr.T. N. Desai	International Conference on Industrial Engineering and Engineering Management	IEEE, Singapore	December 6-9, 2011	Paper Presented & Published
11.	Impact of Human Error in Maintenance Management and Minimizing Methodology N.K.K. Prasanna & Dr.T. N. Desai	International Conference on Industrial Engineering in association with Indian Institution of Industrial Engineering , National Head Quarter, Mumbai	SVNIT, Surat	November 17-19, 2011	Paper Presented & Published
12.	Effective Maintenance Management in Petrochemical Industries N.K.K. Prasanna & Dr.T. N. Desai	International Conference on Industrial Engineering in association with Indian Institution of Industrial Engineering , National Head Quarter, Mumbai	SVNIT, Surat	Nov. 17-19, 2011	Paper Presented & Published
13.	Six Sigma in Indian Chemical Industry J. J. Pathak & Dr.T. N. Desai	International Conference on Industrial Engineering in association with Indian Institution of Industrial Engineering , National Head Quarter, Mumbai	SVNIT, Surat	November 17-19, 2011	Paper Presented & Published
14.	Critical Success Factors of Six Sigma – An Empirical Study of Indian Industries - T. N. Desai & Dr. R. L. Shirvastava & O. P. Yadav	International Conference on Industrial Engineering in association with IIIE , National Head Quarter, Mumbai	SVNIT, Surat	17-19 November 2011	Paper Presented & Published

15.	Optimization of Fly Ash Utilization through Six Sigma DMAIC Methodology: A case study at Cement Industry P. C. Gholap, Dr.T. N. Desai & A. S. Sathe	International Conference on Industrial Engineering in association with Indian Institution of Industrial Engineering , National Head Quarter, Mumbai	SVNIT, Surat	17-19 November 2011	Paper Presented & Published
16.	Enhancing Quality Function Deployment Tool as Improving the Customer Product Design- Dr. T.N. Desai	International Conference on Information, Knowledge and Research in Engineering, Technology & Sciences	G.K. Bharad Institute of Engineering, Rajkot, Gujarat and A.E.S., Sangli, Maharashtra	March 24-25, 2012	Paper Presented & Published
17.	Formulating a Quality Circle Group to Upgrade Quality in Modern Industrial Environment- Dr. T.N. Desai	International Conference on Information, Knowledge and Research in Engineering, Technology & Sciences	G.K. Bharad Institute of Engineering, Rajkot, Gujarat and A.E.S., Sangli, Maharashtra	March 24-25, 2012	Paper Presented & Published
18.	A Study of Procurement Process in a Petro Chemical Industry in India N. K. K. Prasanna & Dr. T. N. Desai	1 st International Conference on Best Practices in Supply Chain Management	Deptt. Of Mech. Engg., Institute of Technical Education & Research, Siksha 'O' Anusandhan University, Bhubaneshwar	November 22-23, 2012	Paper Presented and Published
19.	Quality Improvement in Steel Making Plant using Six Sigma DMAIC Methodology - Ganesh Chouhan, Dr. T. N. Desai & Nikunj H. Patel	1 st International Conference on Best Practices in Supply Chain Management	Deptt. Of Mech. Engg., Institute of Technical Education & Research, Siksha 'O' Anusandhan University, Bhubaneshwar	November 22-23, 2012	Paper Published Page 7
20.	Reduction of Problem Related to Engine Valve Stem Assembly in a Company using Cause and Effect Diagram – Jigar A	1 st International Conference on Best Practices in Supply Chain Management	Deptt. Of Mech. Engg., Institute of Technical Education & Research,	November 22-23, 2012	Paper Published Page 28

	Doshi & Dr. T. N. Desai		Siksha 'O' Anusandhan University, Bhubaneswar		
21.	A Review on scope of Lean Manufacturing in Small and Medium Enterprises of Gujarat S.Y. Jani & T.N. Desai	International Conference on Industrial Engineering ICIE-2013	SVNIT, Surat	20-22 November 2013	Paper Presented & Published
22.	Utilization of Exhaust Gas for Power Generation using DMAIC Ganesh Chouhan & T.N. Desai	International Conference on Industrial Engineering ICIE-2013	SVNIT, Surat	20-22 November 2013	Paper Presented & Published
23.	Application of Six Sigma DMAIC Methodology Daulat Singh & T.N. Desai	International Conference on Industrial Engineering ICIE-2013	SVNIT, Surat	20-22 November 2013	Paper Presented & Published
24.	Value Engineering on Rework Reduction in Shipbuilding Project S.R. Prajapati & T.N. Desai	International Conference on Industrial Engineering ICIE-2013	SVNIT, Surat	20-22 November 2013	Paper Presented & Published
25.	Reliability Improvement of Centrifugal Compressors in Petrochemical Industries by following Standard Practices V. Sisodia, S. k. Singh, Sani. A. Patel & T.N. Desai	International Conference on Industrial Engineering ICIE-2013	SVNIT, Surat	20-22 November 2013	Paper Presented & Published
26.	An Instrument for Measuring the Leanness in SMEs: A Pilot Study S.Y. Jani & T.N. Desai	57 th National Convention and 3 rd International Conference on Industrial Engineering ICIE-2015	SVNIT, Surat	26-28 November 2015	Paper Presented & Published
27.	Modelling the barriers of Lean Six Sigma: An integrated ISM- Fuzzy MICMAC approach Gunjan Yadav, Tushar N. Desai	57 th National Convention and 3 rd International Conference on Industrial Engineering ICIE-2015	SVNIT, Surat	26-28 November 2015	Paper Presented & Published

28	Implementation of Lean Manufacturing Techniques to Improve Productivity in Bearing Manufacturing Company N.D. Chauhan, Dr. M. N. Qureshi, Dr. T. N. Desai, P.T. Trivedi	57 th National Convention and 3 rd International Conference on Industrial Engineering ICIE-2015	SVNIT, Surat	26-28 November 2015	Paper Presented & Published
29	Identification and Hierarchical Structuring of Enablers of Integrated Lean Six Sigma Gunjan Yadav, Tushar N. Desai	13th International Conference on Science and Engineering Research (ICSER)	Bangkok, Thailand	16-17 Dec, 2015	Paper Presented & Published
30	Application of Value Engineering to Rework Reduction in Ship Building Project- Tushar N. Desai	2 nd International Conference on Mechanical Design and Manufacturing (ICMDM 2015)	Phuket, Thailand	27-28, December 2015	Paper Presented & Published
31	Measuring the Degree of Leanness in Automobile Industry within Gujarat State: A Pilot Study Nareshkumar Chauhan, Dr. M. N. Qureshi, Dr. T.N. Desai	First International Conference on Research & Entrepreneurship	R. K. University, Rajkot	5-6 January, 2016	Presented poster
32	Development of Six Sigma: A Structured Review of Methodological Expansion Sitendra Pandey, Gunjan Yadav, Tushar N. Desai	58 th National Convention and International Conference on “Smart Strategies for Digital World- Industrial Engineering Perspective”	Shri Ramdeobaba College of Engineering & Management, Nagpur	21-22 October, 2016	Accepted for Publication
33	A Study of Major Barriers of Lean Manufacturing in MSMEs of South Gujarat Region – A Survey Result Prasad Chandan Chandra, Gunjan Yadav, Tushar N. Desai	58 th National Convention and International Conference on “Smart Strategies for Digital World- Industrial Engineering Perspective”	Shri Ramdeobaba College of Engineering & Management, Nagpur	21-22 October, 2016	Accepted for Publication

34	An Analysis & Technique of Value Stream Mapping Ankit Shastri, Gunjan Yadav, Tushar N. Desai	58 th National Convention and International Conference on “Smart Strategies for Digital World- Industrial Engineering Perspective”	Shri Ramdeobaba College of Engineering & Management, Nagpur	21-22 October, 2016	Accepted for Publication
35	Cost of Quality Models and Its Implementation in Manufacturing Firm Case Study Rikin Patel, Gunjan Yadav, Tushar N. Desai	58 th National Convention and International Conference on “Smart Strategies for Digital World- Industrial Engineering Perspective”	Shri Ramdeobaba College of Engineering & Management, Nagpur	21-22 October, 2016	Accepted for Publication

National Conferences

Sr. No.	Title of Paper & Name of Author(s)	Name of Conference	Name of Organizer	Month & year	Presentation / Publication
1	Work Sampling: A Case Study Dr. T. N. Desai	National conference on ISTAM	SVRCET, Surat	December 28-31, 1997	Paper Presented & published
2	Consideration of Ergonomic Aspects to Industrial Engineering and Development of an Industrial Workplace Layout Design Dr. T.N. Desai & Dr.H.J.Nagarsheth	National Conference on Humanizing Work and Work Environment	National Institute of Industrial Engineering (NITIE), Mumbai	April 22-24, 2004	Paper Presented & Published
3	Application of Techniques of TQM to Industrial Activities as a Case Study Dr. T.N. Desai & Dr.H.J.Nagarsheth	National Conference on “Challenges in Achieving in Global Quality”	Thiagarajar College of Engg., Madurai, Tamilnadu	May 24-25, 2004	Paper Published
4	Quality Improvement through 5-S Campaign Dr.T.N. Desai	National Conference on Emerging Trends in Mech. Engg.	Padre Conceicao College of Engg., Goa	September 12-14, 2004	Paper Published
5	Kaizen Approach to Enhance the Competitiveness in Terms of Productivity & Quality Dr. T.N. Desai	National Conference on Advances in Mech. Engg.	Thiagarajar College of Engg., Madurai, Tamilnadu	May 2-3, 2005	Paper Published

6	Application of Failure Mode & Effects Analysis- Application of Techniques of TQM to Industrial Activities Dr. T.N. Desai & H.J.Nagarsheth	National Conference on Advances in Mechanical Engineering	Vasavi College of Engg., Hyderabad	May 13-14, 2005	Paper Published
7	World Class Manufacturing & Just-In-Time Manufacturing for Competitive Advantage Dr.T.N. Desai	National Conference on Advances in Mechanical Engineering	Jamia Millia Islamia Uni., New Delhi	January 20-21, 2006	Paper Presented & Published
8	Getting Lean-The Route to Manufacturing Excellence Dr. T.N. Desai	National Conference on Application of Advanced Quality Methods in Engineering & Technology	Erode Sengunthar Engg. College, Erode, Tamilnadu	February 23-24, 2006	Paper Published
9	Enhancing Quality in Technical Education through Total Quality Management Principles Dr. T.N. Desai	National Conference on TQM for Continuous Quality Improvement in Technical Education	Deptt. Of Mechanical Engineering, NMAM Institute of Technology, NITTE, Karnatak	March 2-3, 2006	Paper Presented & Published
10	Total Quality Management & Quality Function Deployment: Approaches to Manage Competitiveness in terms of Quality & Productivity Dr. T.N. Desai &Dr. Darshak A. Desai	National Conference on Current Trends in Technology ,NUCONE – 2006	Institute of Technology, Nirma University, Ahmedabad	November 30 – Dec.2, 2006	Paper Presented & Published
11	Six Sigma – A Breakthrough Improvement strategy: Prospects & Challenges for Indian Industries Dr. Darshak A. Desai & Dr.T. N. Desai	All India Seminar on Challenges for Quality & Reliability	Jointly Organized by NIT, Rourkela & The Institution of Engineers, Rourkela	November 4-5, 2006	Paper Presented & Published
12	Kaizen: A Tool of Total Quality Management for Continuous Improvement Dr. T.N. Desai &	48 th National Convention of Indian Institute of Industrial Engineering	Indian Institute of Industrial Engineering, Bangalore Chapter,	September 29-30, 2006	Paper Presented & Published

	Dr.Darshak A. Desai		Karnataka		
13	5 – S: A Technique of Total Quality Management – A Case Study Dr. T.N. Desai & Dr.Darshak A. Desai	48 th National Convention of Indian Institute of Industrial Engineering	Indian Institute of Industrial Engineering, Bangalore Chapter, Karnataka	September 29-30, 2006	Paper Presented & Published
14	Six Sigma Concepts and Critical Success Factors Dr. T.N. Desai & Dr.R.L.Shrivastava	All India Seminar on Organizational Excellence for Global Competitiveness	The Institution of Engineers, Nagpur local centre and Yeshwantrao Chavan College of Engineering, Nagpur	January 19-20, 2008	Paper presented and published
15	Basic Concept of Six Sigma- Dr.T. N. Desai & Rajkumar Satankar	All India Seminar On Mapping Excellence Towards Global Competitiveness-08	The Institution of Engineers, Mumbai Chapter in association with ITM, Mumbai and YCCE, Nagpur	October 16-17, 2008	Paper presented and published
16	A journey to 'Kaizen'- Gaurav Sharma, Dr.T. N. Desai & Rajkumar Satankar	All India Seminar On Mapping Excellence Towards Global Competitiveness-08	The Institution of Engineers, Mumbai Chapter in association with ITM, Mumbai and YCCE, Nagpur	October 16-17, 2008	Paper presented and published
17	Quality Award for Mapping Business Excellence Rajkumar Satankar, Gaurav Sharma &Dr. T. N. Desai	All India Seminar On Mapping Excellence Towards Global Competitiveness-08	The Institution of Engineers, Mumbai Chapter in association with ITM, Mumbai and YCCE, Nagpur	October 16-17, 2008	Paper presented and published
18	Lean Six Sigma Framework for a Manufacturing Concern- Dr.T. N. Desai, Vimal Vyas & Dr. R. L. Shrivastava	51 st National Convention of Industrial Engineers	The Indian Institution of Industrial Engg; Nagpur Chapter & Shri Ramdev Baba Kamla Nehru Engg. College, Nagpur	December 4-5, 2009	Paper presented and published

19	Analysis of Plant Layout using Work Study Technique Ganesh Chouhan & Dr.T. N. Desai	All India Seminar on Quality Progress- 2012	The Indian Institution of Industrial Engg; Nagpur Chapter	February 25-26, 2012	Paper published
20	Project Critical Chain Management with help of Industrial Engineering Tool S.R.Prajapati & Dr.T.N.Desai	All India Seminar on Quality Progress- 2012	The Indian Institution of Industrial Engg; Nagpur Chapter	February 25-26, 2012	Paper published
21	Continuous Improvement through Kaizen System in an Educational Institute Tinkoo Mathur, Himanshu Raval, Tejas Parmar & Dr.T.N.Desai	All India Seminar on Quality Progress- 2012	The Indian Institution of Industrial Engineering, Nagpur Chapter	February 25-26, 2012	Paper published
22	Lean Six Sigma Framework for a Manufacturing Concern- Dr.T. N. Desai & Dr. R. L. Shrivastava	COMEX 2012- National Conference on Operations & Manufacturing Excellence	Shri Ramdeobaba College of Engineering & Management, Nagpur	March 5-6, 2012	Paper presented and published
23	Lean and Six Sigma: A Review and Application in Process Industries Gunjan Yadav, Dr. Tushar N. Desai	National Conference on Industrial Engineering and Technology- 2014	NITIE, Mumbai	October 29-31, 2014	Paper Published
24	A Lean Practice Framework for Manufacturing Industries: A Critical Review in context of Maharashtra SMEs- S.Y. Jani & T.N. Desai	National Conference on Industrial Engineering and Technology- 2014	NITIE, Mumbai	October 29-31, 2014	Paper Published
25	Quality and Productivity Improvement in Small Scale Industry Hemangi Patel, Ashish Gohil, Sanjay Desai, Dr. T.N. Desai	4 th Annual Quality Conference organized by American Society for Quality (ASQ)	Nirma Institute of Management Studies, Ahmedabad	November 15, 2014	Paper Published
26	An Applications of Lean Manufacturing	National Conference on "Recent Advances in	C.U. Shah College of	August 7, 2015	Paper presented and

	Principles, Tools and Techniques in Industry- N.D. Chauhan, Dr. M. N. Qureshi, Dr. T. N. Desai, R.B. Dave	CAD/CAM/CAE (NCRACCC 2015)	Engineering & Technology, Wadhwan City, Gujarat		published
27	Identification of Critical Success Factors & Performance Measures for Lean Manufacturing Practices: A Review in context of SMEs- S.Y. Jani & T.N. Desai	National Conference on “Recent Advances in CAD/CAM/CAE (NCRACCC 2015)	C.U. Shah College of Engineering & Technology, Wadhwan City, Gujarat	August 7, 2015	Paper presented and published

13. Subjects Taught & Teaching

Subject	Level
Total Quality Management (TQM) Production Management Advanced Production Planning & Control Operations Planning & Control, Quality Engineering & Management	M. Tech. and Final Year
Industrial Engineering(Institute Elective)	Third Year

14. Recognized guide for PhD:

1. Recognized guide for PhD at Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat.
2. Recognized Guide for PhD at C. U. Shah University, Wadhwan, Surendranagar, Gujarat.
3. Registered Co Supervisor for Ph.D. in Industrial Engineering Discipline at Gujarat Technological University (GTU), Gandhinagar.

PhD Thesis Supervised

Sr. No.	Name of Student	Thesis Title	Status
1	Gunjan Yadav (FIR at SVNIT)	Study of Lean Six Sigma Implementation in Indian Manufacturing organizations	Two and half Years Completed
2	Suketu Y.Jani (PEC at C.U.Shah University)	Development of Lean Model for SMEs in Gujarat State	Two and half Years Completed
3	Ashish B.Patel (PEC at SVNIT)	Development of Supply Chain Management Framework for Performance Improvement in Textile Industries of South Gujarat Region	Enrolled in December 2015

M.Tech (Research) Thesis Supervised

Sr. No.	Year	Name of Student	Roll No.	Specialisation	Thesis Title
1	2010-2012	Jayesh J. Pathak	R10ME104	General Mechanical	Development of Six Sigma implementation Model for Performance improvement of process equipment in Indian Chemical Industries
2	2010-2012	N K Keshava Prasanna	R10ME103	General Mechanical	Advanced Quality Management Philosophy and Techniques applied to Maintenance Management in Petro-Chemical Industries

M.Tech Thesis Supervised

Sr. No.	Year	Name of Student	Roll No.	Specialization	Thesis Title
1	2007-2008	Sushil B. Bmabole	P06IP701	IPED	Critical Chain Project Management
2	2008-2009	Rajkumar Satankar	P07ME106	General Mechanical	Implementation of Six Sigma Quality Management Technique in an Industry: A Case Study At ESSAR Steel Ltd, Hazira, Surat, Gujarat
3	2009-2010	Ravikumar Kasthoori	P08CC075	CAD/CAM	Analysis and Improvement of Steam Piping Design of 19MW Power-Plant by Using CAESAR 2 Software and Implementing Design for Six Sigma methodology at ESSAR Steel Ltd., Hazira, Surat, Gujarat
4	2010-2011	Hetal I. Chaudhari	P09ME119	General Mechanical	Implementation of Quality Circle in an Industry: A Case Study at KRIBHCO, Hazira, Surat, Gujarat
5	2010-2011	Ballar Sureshkumar V	P09ME125	General Mechanical	Six Sigma DMAIC Methodology
6	2010-2011	Prasenjeet Chandrakant Gholap	P09ME117	General Mechanical	Six Sigma and its implementation in Medium/Small Size Organizations: A Case Study
7	2010-	B. Dhanraj	P09ME118	General	Analyze the Effectiveness

	2011			Mechanical	of Six Sigma project in Industry Application: : A Case Study At ESSAR Steel Ltd, Hazira, Surat, Gujarat
8	2012-2013	Atulkumar	P11IP012	IPED	Analysis of Rotary Vacuum Peddle Dryer's Shaft assembly design Using Pro-E and ANSYS Software
9	2012-2013	Swati J. Patel	P11IP058	IPED	Prediction of Welding in a Structure
10	2012-2013	Gagan S. Desai	P11TM048	Turbo-Machine	Advanced Maintenance Management Techniques at Relience Industries Ltd, Hazira, Surat, Gujarat
11	2012-2013	Kalpesh Patel	P11IP050	IPED	Analysis of Rotary Vaccum Peddle Dryer Structure Using CATIA and ANSYS Software
12	2012-2013	Surya Kant	P11ME036	General Mechanical	Quality Management Practices : A Study of South Gujarat Industries
13	2014-2015	Vasava Satishbhai A.	P13ME020	General Mechanical	Failure Mode Effect Analysis of Turbine Casing Piping at Seimens India Ltd., Vadodara, Gujarat
14	2014-2015	Vasava Sandip Damodarbhai	P13ME017	General Mechanical	Quality Improvement through ISO 9001-2008 at an industry
15	2014-2015	Parmar Gajendrashih S.	P13ME015	General Mechanical	Process Capability Analysis and application of Six Sigma Methodology at Bosch Rexrorth India Pvt Ltd., Ahmedabad, Gujarat
16	2014-2015	Prakashkumar Suthar	P13ME019	General Mechanical	Implementation of Quality Circle Technique in Maintenance Department at Kribhco, Hazira, Surat, Gujarat
17	2014-2015	Parmar Gautamkumar Premjibhai	P13MF014	Manufacturing Engineering	Implementation of Total Productive Maintenance at Larson & Toubro, Hazira, Surat, Gujarat
18	2014-2015	Alok Shankar	P13MF011	Manufacturing Engineering	Reduction of Contamination in Production Process of Viscose staple fibre at Birla

					Cellulose, Kharach, Gujarat
19	2015-2016	Roopesh Gussain (ongoing)	P14ME005	General Mechanical	Implementation of Lean in Plastic Injection Moulding Manufacturing
20	2015-2016	Rikin Pravinbhai Patel	P14MF007	Manufacturing Engineering	Implementation of Kaizen and Problem Solving Techniques at Larson & Toubro, Hazira, Surat, Gujarat
21	2015-2016	Vikas R. Jogani	P14MF024	Manufacturing Engineering	Implementation of Lean Manufacturing Techniques at Larson & Toubro, Hazira, Surat, Gujarat
22	2015-2016	Sitendra Pandey	P14MF006	Manufacturing Engineering	Implementation of Six Sigma Quality Management Technique at ESSAR Steel Limited, Hazira, Surat, Gujarat
23	2015-2016	Prasad Chandan Chandra	P14MF023	Manufacturing Engineering	Status of Lean Manufacturing adoption in Gujarat Medium, Small and Micro Scale Enterprises
24	2015-2016	Banoth Hari Krishna	P14MF019	Manufacturing Engineering	Experimental investigation of performance of cooling tower reveals energy saving opportunity at Birla Cellulosic, Kharach, Surat, Gujarat
25	2015-2016	Mukesh Kumar Dalei	P14MF018	Manufacturing Engineering	Pressure Vessel requirement during hydro test at Larson & Toubro Ltd., Hazira, Surat, Gujarat
26	2015-2016	Anil Basnet		General Mechanical	Dependence of Outgasing rate on Baking temperature and Chemical Composition of Cleaning Solution at L&T Hazira, Surat, Gujarat
27	2015-2016	Ankit Shastri	P14MF004	Manufacturing Engineering	Improvement study of Pipe Manufacturing system by Lean cycle time reduction at ESSAR Steel Ltd., Hazira, Surat, Gujarat

15. Workshops / Conferences Organized

Organized National Workshop on “New Trends in Quality Management” (NTQM – 2007) under Technical Education Quality Improvement Programme Institutional Networking at SVNIT, Surat during May 5-7, 2007, **Dr. T. N. Desai and Dr. H. J. Nagarsheth**

Organized AICTE approved Short Term Training Programme on “Advanced Quality Management Philosophies & Techniques” (AQMPT– 2010) at SVNIT, Surat during January 4-8, 2010, **Dr. T. N. Desai and Dr. H. J. Nagarsheth**

Organized one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2011) in Association with Indian Institution of Industrial Engineering (IIIE) Surat Chapter at SVNIT, Surat on March 26, 2011, **Dr. T. N. Desai and Dr. Ravikant.**

Organized International Conference on Industrial Engineering (ICIE-2011) in association with Indian Institution of Industrial Engineering (IIIE), National Head Quarter, Navi Mumbai at SVNIT, Surat during November 17-19, 2011, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 2nd one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2012) in association with Indian Institution of Industrial Engineering (IIIE) Surat Chapter at SVNIT, Surat on April 21, 2012, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 3rd one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2013) in association with Indian Institution of Industrial Engineering (IIIE) Surat Chapter at SVNIT, Surat on April 6, 2013, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 2nd International Conference on Industrial Engineering (ICIE-2013) in association with Indian Institution of Industrial Engineering (IIIE), National Head Quarter, Navi Mumbai at SVNIT, Surat during November 20-22, 2013, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 4th one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2014) in association with Indian Institution of Industrial Engineering (IIIE) Surat Chapter at SVNIT, Surat on April 12, 2014, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “Advanced Quality Engineering Techniques” (AIQT – 2014) under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during March 3-7, 2014, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “Advanced Quality Engineering Techniques” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during August 4-8, 2014, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 5th one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2015) in association with Indian Institution of Industrial Engineering (IIIE) Surat Chapter at SVNIT, Surat on April 18, 2015, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “Research Methodology- Tools and Techniques” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during June 15-19, 2015, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “Supply Chain Management & E-Business” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during June 22-26, 2015, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “Advanced Quality Engineering Techniques” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during September 21-25, 2015, **Dr. T. N. Desai and Dr. Ravikant.**

Organized “3rd International Conference on Industrial Engineering (ICIE-2015)” & “57th National Convention of Indian Institution of Industrial Engineering” in association with Indian Institution of Industrial Engineering (IIIE), National Head Quarter, Navi Mumbai during November 26-28, 2015 at SVNIT, Surat, **Dr. T. N. Desai and Dr. Ravikant.**

Organized 6th one day Seminar on “Recent Trends in Industrial Engineering (RTIE-2016) under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat on April 09, 2016, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “New Trends in Industrial Engineering” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during July 1-5, 2016, **Dr. T. N. Desai and Dr. Ravikant.**

Organized Short Term Training Program on “New Trends in Industrial Engineering” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat during July 1-5, 2016, **Dr. T. N. Desai and Dr. Ravikant.**

16. Dissertations / Projects Guided

Guided 25 PG Dissertations and 2 M.Tech. (Research) Dissertations, 2 candidates are pursuing M.Tech, @ 30 UG Projects on the topics of Industrial Engineering, Production/Operations Management, Total Quality Management, Six Sigma etc.

17. Reviewer of Journal

- (1) Benchmarking-An International Journal.
- (2) African Journal of History and Culture.

(3) International Journals of Advanced Engineering Technology

(4) Journal of Engineering Research and Studies

18. Guest Lectures Delivered

Following Guest lectures are delivered as a part of services to the community to various Technical Universities/Organizations

- (1) “Total Quality Management Concepts and Implementation” at National Workshop on “New Trends in Quality Management” at S.V. National Institute of Technology, Surat during 5 -7 May, 2007
- (2) “Total Quality Management Concepts and Implementation” at N. G. Patel Polytechnic, Bardoli, Surat on 27/05/2008
- (3) “New Quality Concepts and Initiatives- Total Quality Management and Six Sigma” at Govt. Engineering College, Modasa, Gujarat on 01/09/2008
- (4) “New Quality Concepts and Initiatives- Total Quality Management and Six Sigma” at Sankalchand Patel College of Engineering, Visnagar, Gujarat on 02/09/2008.
- (5) “New Trends in Quality Management” at Shree Tapi Brahmcharyashram Sabha College of Diploma Engineering, Surat, Gujarat on 26/09/2008.
- (6) “New Quality Concepts and Initiatives- Total Quality Management and Six Sigma” at Charotar Institute of Technology, Changa, Gujarat on 01/10/2008.
- (7) “Total Quality Management” at Department of Mechanical Engineering , S&S Gandhi College of Engineering, Surat, Gujarat on 06/10/2008.
- (8) “New Quality Concepts and Initiatives- Total Quality Management and Six Sigma” at AICTE Sponsored Short Term Training Program on “Advances in Manufacturing” at SVNIT, Surat on 01/01/2009.
- (9) “Quality Management – New Philosophies and Practices” at Department of Mechanical Engineering, C.K.Pithawalla College of Engineering & Technology, Surat on 21/03/2009.
- (10) “Advanced Quality Management Techniques at Vidyabharti Trust Polytechnic, Umrakh, Gujarat on 17/09/2009.
- (11) “Total Quality Management and Six Sigma” at AUTOFEST’09-A National Level Technical Fest organized at SVNIT, Surat on 2/11/2009.
- (12) “Total Quality Management-Philosophy & Principles” at AICTE sponsored Short Term

- Training Programme on “Advanced Quality Management Philosophies & Techniques” organized at SVNIT, Surat during January 4-8, 2010.
- (13) “Seven QC Tools of Quality Management” at AICTE sponsored Short Term Training Programme on “Advanced Quality Management Philosophies & Techniques” organized at SVNIT, Surat during January 4-8, 2010.
 - (14) “Total Quality Management-Philosophy & Principles” at AICTE sponsored Short Term Training Programme on “Knowledge Management- Issues & Challenges” organized at SVNIT, Surat during January 4-8, 2010.
 - (15) “Total Quality Management-Philosophy & Principles” at B. K. School of Business Management, Gujarat University, Ahmedabad on August 12, 2010.
 - (16) “Total Quality Management-Philosophy & Principles” at Ganpat University, Kherva, Gujarat on August 20, 2010.
 - (17) “Project Work on Total Quality Management” at B.K.School of Business Management, Gujarat University, Ahmedabad, on October 9, 2010.
 - (18) “Total Quality Management-Concepts & Implementation” at Department of Business & Industrial Management, Veer Narmad South Gujarat University, Surat on September 17, 2011.
 - (19) “Total Quality Management with special reference to Six Sigma” at PG Department of Statistics, Sardar Patel University, Vallabh Vidyanagar, Gujarat on October 12, 2011.
 - (20) “Total Quality Management with special reference to Six Sigma” at Department of Automobile Engineering, Indus College of Technology & Engineering, Ahmedabad, Gujarat on October 13, 2011.
 - (21) “Total Quality Management and Six Sigma” at Laxmi Institute of Management, Sarigam, Vapi, Gujarat on February 07, 2012.
 - (22) “Implementation of Kaizen at an Industry” at Department of Business & Industrial Management, Veer Narmad South Gujarat University, Surat on February 11, 2012.
 - (23) “Total Quality Management and Six Sigma- An Overview” at One Day Seminar on ‘Six Sigma Quality Management Initiative’ organized by Department of Mechanical Engineering, U.V.Patel College of Engineering, Ganpat University, Kherva on April 5, 2012.
 - (24) “Six Sigma Case Studies” at Second One Day Seminar on ‘Recent Trends in Industrial Engineering’ organized by Department of Mechanical Engineering, SVNIT, Surat on

- April 21, 2012 in association with Indian Institution of Industrial Engineering Surat Chapter.
- (25) “Kaizen – A Tool of Total Quality Management for Continuous Improvement “at Department of Mechanical Engineering, Yeshwantrao Chavan College of Engineering, Nagpur on October 1, 2011.
 - (26) “Six Sigma Methodology” at Department of Production Engineering, Veermata Jijabai Technological Institute (VJTI), Mumbai on August 30, 2013
 - (27) “Total Quality Management and Six Sigma Quality” at Department of Production and Industrial Engineering, Shri G.S.Institute of Technology & Science, Indore on September 23, 2013.
 - (28) “Six Sigma” at TEQIP – II sponsored STTP on Mathematical, Statistical, Operation Research based Modeling and Simulation for Researchers, Engineers and Scientists at SVNIT on January 29, 2014.
 - (29) “Lean Manufacturing Quality Enhancements” at the Inaugural function of Productivity week 2014 organized at **ONGC Hazira Plant, Surat** on February 12, 2014.
 - (30) Delivered Expert lecture on “Total Quality Management and Six Sigma” at School of Technology, Pandit Deendayal Petroleum University, Gandhinagar on 13-08-2014.
 - (31) Delivered Expert lecture on “Total Quality Management ” for the students of B.E III (Mechanical), Semester 6th at C.K.Pithawala College of Engineering & Technology, Surat on February 11, 2016.
 - (32) Acted as Chief Guest at the Inaugural function of Productivity week 2016 organized at **ONGC Hazira Plant, Surat** and delivered lecture on ‘ Ease of doing Business for higher Productivity and Sustainable Growth’ on February 12, 2016.

19. Academic Achievements

- UG Teaching experience of @ 32 years.
- PG Teaching experience of @ 21 years.
- Visiting Faculty at Department of Business & Industrial Management, V. N. South Gujarat University, Surat in year 2006-07.
- Certified Six Sigma Green Belt from Dr. R L Shrivastava (Certified Six Sigma Master Black Belt from Indian Institution of Industrial Engineering, Bangalore), Yeshwantrao Chavan College of Engineering, Nagpur

- Chaired a Technical Session on “TQM & Knowledge Management” on March 3, 2006 at National Conference on “Total Quality Management for Continuous Quality Improvement in Technical Education” organized by Department of Mechanical Engineering, NMAM Institute of Technology, NITTE, Karnataka.
- Chaired a Technical Session on “Organizational Excellence through Quality Management & Quality Management Systems in Different Organizations” at International Conference on Quality Management Practices – 07 organized by Institute for Technology and Management, Navi Mumbai along with National Center for Quality Management, Mumbai during 16-17 August 2007.
- Co-chaired a Technical Session on “Six Sigma and TQM ”on January 19, 2008 at All India Seminar on “Organizational Excellence for Global Competitiveness” organized by Yeshwantrao Chavan College of Engineering, Nagpur and The Institution of Engineers, Nagpur local centre in association with Shreyas Quality Management Systems, Nagpur.
- Co-chaired Technical Session on October 16, 2008 at All India Seminar on “MAPEXCEL-08” organized by Institution of Engineers, Mumbai in association with ITM, Mumbai & YCCE, Nagpur.
- Chaired a Technical Session on “Industry Needs, Expectations and Role” at Industry Academia Conclave organized by Yeshwantrao Chavan College of Engineering, Nagpur during July 14-15, 2009.
- Chaired a Technical Session on “Industry Needs, Expectations and Role” at Industry Academia Conclave organized by Yeshwantrao Chavan College of Engineering, Nagpur during July 14-15, 2009.
- Chaired a Technical Session at an International Conference on “Advances in Mechanical Engineering (ICAME- 2009)” organized at SVNIT, Surat during August 03-05, 2009.
- Worked in panel of judges for Paper Presentation Competition in AUTOFEST’09-A National Level Technical Fest organized at SVNIT, Surat on 2/11/2009.
- Chaired a Technical Session at 4th International Conference on “Advances in Mechanical Engineering (ICAME- 2010)” organized at SVNIT, Surat during September 23-25, 2010.
- Acted as an External Examiner for M. Tech. (Mechanical, AMT) Dissertation on “Seven step methodology – An innovative approach to bring down welding defects in KWAG

muffler” at Ganpat University, U. V. Patel College of Engineering, Mehsana on 16/09/2010.

- Chaired two Technical Sessions at “Fifth International Conference on Advances in Mechanical Engineering (ICAME- 2011)” organized at SVNIT, Surat during June 06-08, 2011.
- Worked as a local supervisor for Project of a student at School of Engineering & Technology, India Gandhi National Open University, New Delhi.
- Chaired a Technical Session at National Conference on “Operations & Manufacturing Excellence (COMEX 2012)” organized at Shri Ramdeobaba College of Engineering & Management, Nagpur during March 4-5, 2012.
- **Fellowship Award from Indian Institution of Industrial Engineering (IIIE) conferred in October, 2012.**
- Chaired a Technical Session on 'Performance Evaluation of Supply Chain Management System' organized by Department of Mechanical Engineering, Institute of Technical Education & Research, Siksha 'O' Anusandhan University, Bhubaneswar during November 22-23, 2012.
- Member-Starting of Post Graduate Programme in Manufacturing Engineering at Department of Mechanical Engineering, SVNIT, Surat
- Served as a resource person for the topic “Six Sigma and its Case Studies” in one day seminar on “Professional Improvement at Quality Management with Emphasis on Six Sigma” on 2nd February, 2013 at Automobile Engineering Department, Indus University, Ahmedabad.
- Attended 16th CEOs conference organized by Indian Institution of Industrial Engineering (IIIE), Navi Mumbai at Udaipur during June, 2012
- Attended 17th CEOs conference on theme of “Global Competitiveness India in retrospect and Prospects” organized by Indian Institution of Industrial Engineering (IIIE), Navi Mumbai during June 21-23, 2013.
- **Best Case Study Award from Indian Institution of Industrial Engineering(IIIE)(Non Traditional Area) for Paper entitled “Perspectives of Insurance Companies Regarding Service Quality Management and Improvement” (Mahesh R. Shukla, Dr. R. L. Shrivastava, Dr. Tushar N.Desai) published in Industrial Engineering Journal Vol. VIII Issue No. 2, February 2015.**

- **Dr. J.M. Mahajan Award 2014-2015 for contributing substantially to the spread of Industrial Engineering & Management discipline in the field of Education.**
- **Best Paper Presenter Award was awarded to my FIR candidate at SVNIT for presenting his paper entitled “Identification and Hierarchical Structuring of Enablers of Integrated Lean Six Sigma” at 13th International Conference on Science and Engineering Research” (ICSER) organized at Bangkok, Thailand during 16-17 December, 2015.**
- Chaired a session on Industrial Engineering at 6th National Conference on “Recent Advances in Manufacturing (RAM-2016)” organized by Department of Mechanical Engineering, SVNIT, Surat during May 12-14, 2016.
- Attended TEQIP-II sponsored FDP on “Outcome Based Teaching-Learning” held at SVNIT, Surat during June 3-5, 2016.
- Member- International Advisory Committee of International Conference on Emerging Trends in Mechanical Engineering Department, G.H. Patel College of Engineering & Technology, Vallabh Vidyanagar during February 24-25, 2017.
- Member- Technical Committee of 2nd National Conference on Industrial Engineering and Technology Management (NCIETM) organized at NITIE, Mumbai during November 17-19, 2016.
- Attended 20th CEOs Conference organized by Indian Institution of Industrial Engineering (IIIE), Navi Mumbai organized at Le Meridian, Nagpur during June 24-26, 2016 on the theme of “Smart Villages: Pillars for Sustainable Industrial Growth and Rural Development”.
- Resource Person at National Level Seminar on Total Quality Management organized by Laxmi Vidyapeeth, Sarigam on July 30, 2016.
- **Book Chapter**
T.N.Desai, Dr. R.L.Shrivastava & Dr. D.A.Desai, Quality Indicators for Technical Education System- Book Chapter(chapter 48, pp. 527-541), Quality Management Practices, edited by Dr. R.P.Mohanty, Excel Books, New Delhi (ISBN: 978-81-7446-582-5)

20. Administrative / Co-curricular Activities

- Member - Social & Cultural Activities Committee 1995, 1996, 2001, 2002, 2006, 2007, 2008, 2010, 2013.
- Co-coordinator at centralized assessment work at the Engineering examination, May/June 2000.
- Member of Literary & Debating Committee 2000-2001.
- Factotum at Engineering Examination at SVNIT, May/June 2001 and 2007.
- Member - Central Library Committee since year 2004.
- Member of Organizing Committee at Twentieth National Symposium on Cryogenics (TNSC-2005) organized by Department of Mechanical Engineering, SVNIT, Surat during February 23-26, 2005.
- Member of Reception Committee at a Specialized Workshop on “Measurement Techniques in Turbo Machines” organized by Department of Mechanical Engineering, SVNIT, Surat under TEQIP during June 23-25, 2005.
- Secretary – Departmental Board of Under Graduate & Post Graduate Board of Studies from year 2006 to 2011.
- Member – Departmental Standing Executive Committee since year 2006 to 2011.
- Member of Selection Committee of Teaching Assistant for Mechanical Engineering, Department, SVNIT, Surat, year 2006-2007.
- Member – Selection Committee for PG Programme, 2006.
- Treasurer, Teachers’ Association SVNIT, 2007-08.
- Member– Organizing Committee for All India Seminar on Mapping Excellence Towards Global Competitiveness-2008 organized by Institute of Engineers, Mumbai in association with ITM, Mumbai & YCCE, Nagpur during October 16-17, 2008.
- Member of panel of judges at audition of Singing Night- SPARSH 2008, 2010.
- Secretary, Teachers’ Association SVNIT, 2008-09.
- Examiner for Dissertation viva voce at M.Tech, CAD/CAM at YCCE, Nagpur, September 2010.
- **Founder Chairman (since 2010)– Indian Institution of Industrial Engineering (IIIE), Surat Chapter**

- **Faculty Coordinator (since 2010) - Indian Institution of Industrial Engineering (IIIE) Student Chapter at SVNIT.**
- Member of Subject Examination Committee and Paper Setter for the subject of Industrial Engineering, M.Tech. (Production), YCCE, Nagpur, year 2010.
- Examiner for Ph.D Dissertation viva voce at Anna University (Chennai), Jawaharlal Nehru Technological University (Hyderabad), RTM Nagpur University (Nagpur), VJTI (Mumbai), Sant Gadge Baba Amravati University (Amravati), Birla Institute of Technology (BITS) Pilani, Nirma University, Ahmedabad.
- Jury member of “SPARSH 2010” Social and Cultural Fest event year 2010.
- Anchored Farewell Function of Dr. D.B.Naik (Professor T & P) organized at Mechanical Engineering Department of SVNIT on December 27, 2011.
- Member – National Council of Indian Institution of Industrial Engineering 2011, 2012, 2013.
- Member- Advisory Council of National Conference on “Improving Productivity and Quality of Manufacturing Systems” organized by Mechanical Engineering Department, G.H. Rasoni College of Engineering, Nagpur under TEQIP-II during November 28-29, 2012.
- **Workshop In-charge during 1-09-2012 to 30-08-2014 and since 23-09-2015.**
- Cochairman- Debating & Literary Committee for Year 2012-13.
- Co-opted Member for Indian Institution of Industrial Engineering National Council 2012-2013.
- Member of Administration Committee of Indian Institution of Industrial Engineering for year 2012-13.
- Member of Membership Committee of Indian Institution of Industrial Engineering for year 2012-13.
- Member-Social & Cultural Activities Committee, 2012
- Member of Physical stock verification committee, year 2012.
- Member – Physical Stock Verification Committee at SVNIT, year 2012
- Member of Organizing Committee of One Day Seminar on ‘Six Sigma Quality Management Initiative’ organized by Department of Mechanical Engineering, U.V. Patel College of Engineering, Ganpat University, Kherva, Gujarar on April 5, 2012.

- Member -Departmental Hindi Cell at SVNIT, Surat for duration of 1-9-2012 to 1-9-2014.
- Member of Mind Bend 2013 committee for Paper Presentation at SVNIT, Surat
- Member – Steering Committee of 17th CEOs Conference on “Global Competitiveness: India in Retrospect and Prospects” organized by Indian Institution of Industrial Engineering, NHQ, Navi Mumbai at Amritsar during June 21 – 23, 2013.
- Member- Departmental Vision Document – 2020 Preparation Committee
- Member – Institute Profile Preparation Committee
- Resource Person at TEQIP II sponsored Short Term Course on “Research Methodology” organized by VJTI Mumbai in association with NITIE Mumbai, IIIE, NMIMS Mumbai, SOA University Bhubaneswar & SVNIT Surat during Feb 3-7, 2014.
- Member- Organizing committee of Two Days Seminar on “Recent Trends in Manufacturing & Quality Engineering” organized by Jaivantrai Harrai Desai Polytechnic, Palsana during March 1-2,2014.
- Participated in IIIE 18th CEOs Conference held during July 4-6, 2014 at Fariyas Resort, Lonavala, Pune.
- Acted as a Resource Person and delivered lectures on Six Sigma- Industry Case Study, Lean Six Sigma, Lean Management, Research Methodology at Two Week TEQIP Programme on “Concepts and Advances in Quality and Reliability Management” at Goa College of Engineering, Goa in association with SVNIT, Surat during December 1-12, 2014.
- Committee member for examining Ph.D. Admission at Mechanical Engineering Department since year 2014.
- **P.G. Incharge (M.Tech- Manufacturing Engineering) since 1-1-2015.**
- Co-Ordinator- Department Technical Education Quality Improvement Programme (TEQIP) Committee since 1-1-2015.
- Guided student of School of Technology, Pandit Deendayal Petroleum University, Gandhinagar for opening IIIE student chapter.
- Cochairman- Debating & Literary Committee for Year 2015-16.
- In charge of Industrial Engineering Laboratory (Proposed) at SVNIT.
- Member - Accreditation Committee.

- Member – Departmental Accreditation Committee for preparation of NBA Accreditation proposals.
- Acted as observer for Autumn Semester Ph.D admission procedure at Applied Mechanics Department, SVNIT on 12-07-2016.

Organizing Industrial Visits

- Organized Industrial Visits for students at L & T, Hazira, Surat in March, 2011 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.
- Organized Industrial Visits for students at Birla Cellulosic (Aditya Birla Group), Kharach, Kosamba, Dist. Bharuch on January 28 and February 5, 2012 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.
- Organized Industrial Visits for students at KRIBHCO, Hazira, Surat on November 3, 2012 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.
- Organized Industrial Visits for students at Reliance Industries Ltd., Hazira, Surat on February 16, 2013 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.
- Organized Industrial Visits for students at Birla Cellulosic (Aditya Birla Group), Kharach, Kosamba, Dist. Bharuch, Gujarat in 2014 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.
- Organized Industrial Visits for students at Birla Cellulosic (Aditya Birla Group), Kharach, Kosamba, Dist. Bharuch, Gujarat during March and April 2016 under the banner of Indian Institution of Industrial Engineering student chapter at SVNIT.

21. Activities related to Literature and Music:-

- **Involvement as a student (1975-1980) in activities related to Literature and Music at SVNIT (SVRCET), Surat:-**
 - 1) Secured 2nd prize in Instrumental Music Competition at Cultural Program organized by Social & Cultural Activities Committee, SVRCET, Surat , 1979-80.**
 - 2) Participation & Excellent performance in Instrumental Music at the 17th Annual Day Celebrations organized by Social & Cultural Activities committee, SVRCET, Surat , 1979-80.**

- 3) Secured 1st Prize for best quality of articles written for Weekly College Wall Magazine ‘ Swair –Vihar’ from Debating & Literary Society, SVRCET, Surat ,1979- 80.
- 4) Participation and Excellent performance in “Inter-Class Group Discussion” from Debating & Literary Society, SVRCET, Surat ,1979-80.
- 5) Participation and Excellent performance in “Public Speaking” from Debating & Literary Society, SVRCET, Surat ,1979-80.
- **Involvement as a Faculty in activities related to Literature and Music at SVNIT , Surat and at other organizations:-**
 - 1) Chief Guest at a poetry reciting competition ‘KAVYAKUMAR-in search of a Poet’ competition organized by Debating & Literary Committee, SVNIT, Surat on April 19, 2011.
 - 2) Given solo performance in singing at Cultural Programme organized at International Conference on Industrial Engineering (ICIE 2011) at SVNIT, Surat on November 17, 2011 with Pappu Musical Orchestra of Surat.
 - 3) Given solo performance in singing on Singing Night at Cultural Programme at SVNIT, Surat in March, 2012 and March, 2013.
 - 4) Given solo performance in singing on Karaoke Tracks at Singing Night at Cultural Programme at SVNIT, Surat in March, 2012 and in March, 2013.
 - 5) Given solo performance in singing with Musical Orchestra of Nagpur at Cultural Programme organized at 55th National Convention Indian Institution of Industrial Engineering (IIIE) at Sun & Sand Hotel, Nagpur on October 25, 2013.
 - 6) Given solo performance in singing with Pappu Musical Orchestra of Surat at Cultural Programme organized at International Conference on Industrial Engineering (ICIE 2013) at SVNIT, Surat on November 20, 2013.
 - 7) Member of Cultural Event Committee of 23rd National Conference on I.C. Engines and Combustion organized by Department of Mechanical Engineering, SVNIT, Surat under the auspices of The Combustion Institute Indian Section (CISS) during December 13-16, 2013 .
 - 8) Organized and conducted Cultural Programme for the delegates of CEOs Conference held during July 4-6, 2014 at Fariyas Resort, Lonavala (A Five Star

- Resort) in association with IIIE, Navi Mumbai and given solo performance in singing on Karaoke Tracks.
- 9) Acted as judge at KASHISH 2014, SVNIT, Cultural Festival and given solo performance at KASHISH 2014 on September 30, 2014.
 - 10) Given solo performance in singing with Musical Orchestra of Goa at Cultural Programme organized at Two Week TEQIP-II Programme on “Concepts and Advances in Quality and Reliability 33 Management” by Goa College of Engineering, Farmagudi, Ponda, Goa during November 17-28, 2014.
 - 11) Given solo performance in singing with Bagda Musical Orchetra of Surat at Musical Evening organized by Shri Dayalji Vidryarthi Ashram, Shri Dayalji Kelvani Mandal, Surat in year 2010, 2013 and 2014.
 - 12) Acted as a Coordinator at Cultural Programme organized by SVNIT Alumini Association and given solo performance in singing on Karaoke Tracks on January 3, 2015.
 - 13) Given solo performance in singing with Bagda Musical Orchestra of Surat in Musical Evening at SPARSH-2015, Cultural Festival at SVNIT.
 - 14) Kavyasangraha “ABHIVYAKTI”- Self written Gujarati Poems -published at Shri Dayalji Vidyarthi Ashram, Shri Dayalji Kelavani Manadal, Surat on 21-01-2015 (Chief Guest - Shri Dr. Dakshhexbhai Thakar, Vice Chancellor, Veer Narmad South Gujarat University, Surat; Guest of Honor- Prof. Dr. Ashvinbhai Desai, Professor, Veer Narmad South Gujarat University, Surat ; Kavyasangraha Parichaya- Dr. Prafulbhai Desai, Poet and Author; Anchor- Shri Janakbhai Naik, Sahitya Sangam, Surat.)
 - 15) Performed Poetry Recital at Farewell Function of Prof. V.M. Daiya, Associate Professor in Mechanical Engineering Department of SVNIT, Surat in March 2015.
 - 16) Given solo performance in singing at Cultural Programme organized at International Conference on Industrial Engineering (ICIE 2015) at SVNIT, Surat on November 26, 2015.
 - 17) Organized ‘KAVISAMMELAN’ and performed Poetry Recital at International Conference on Industrial Engineering (ICIE 2015) at SVNIT, Surat on Nov 27, 2015.

- 18) Acted as a Coordinator at Cultural Programme Grand Annual Alumni Reunion (“Convention 2016”) organized by SVNIT Alumini Association and given solo performance in singing on January 9, 2016.
- 19) Given Group performance in singing in Musical Evening, SPARSH-2016, Cultural Festival at SVNIT on February 17, 2016.
- 20) Given solo performance in singing at Musical Evening ‘Rang Barse’ organized by SVNIT Alumni Association Surat Chapter at Rang Bhavan, Jeevan Bharti Vidhyalaya, Surat on April 2, 2016.
- 21) Performed Poetry Recital at Farewell Function of Dr. M.K.Bhatt, Associate Professor in Mechanical Engineering Department of SVNIT, Surat on April 2, 2016.
- 22) Given Solo Performance in Singing at Cultural Program at 20th CEOs Conference organized by Indian Institution of Industrial Engineering (IIIE), Navi Mumbai on June 25, 2016 at Le Meredian, Nagpur.
- 23) Given solo performance in singing with Symphony Musical Orchestra of Surat at Musical Evening ‘Aya Sawan Zumke’ organized by SVNIT Alumni Association Surat Chapter at Rang Bhavan, Jeevan Bharti Vidyalaya, Surat on August 14, 2016.
- 24) Invited to present Solo Performance in singing at Cultural Programme of 1st International Conference on Emerging Trends in Mechanical Engineering (ICETiME 2016) to be held during 23 – 24th Sept, 2016.
- 25) Invited to present Solo Performance in singing at Cultural Programme of 58th National Convention and International Conference on “Smart Strategies for Digital World- Industrial Engineering Perspective” to be held during 21-22 October, 2016.

22. Membership of Professional Bodies

- Life Member- Indian Society for Technical Education, New Delhi (LM-10483)
- Life Member- Indian Institution of Industrial Engineering, Navi Mumbai (MIIE 9342)
- Member- Pune Management Association
- Member- Indian Institution of Production Engineers (WM 1352)

23. Country Visited

Dubai, France, USA, Singapore, Thailand

Date: 16/08/2016

Place: Surat

Dr. Tushar N. Desai