Dr. Jayesh M Dhodiya
Assistant Professor, **Sardar Vallabhbhai National Institute of Technology, Surat**

Name	Dr. Jayeshbhai Mohanbhai Dhodiya
Qualification & Certification	B.Sc, M.Sc.(Gold medalist), Ph.D, B.Ed. G.P.S.C(2010), CCC+
Area of Interest	Mathematical Modeling and Simulation, Operation Research, Computing, Knowledge Management
Teaching Experience	Total=9.3 Years P.G=6.3 Years U.G=3 Years
Subjects Teaching	Engineering Mathematics, Operation Research, Quantitative Methods
Courses Taught	Bachelor of Technology; Bachelor of Pharmacy, Bio Technology, Bachelor of Computer Application, Bachelor of Business Administration, Master of Science, Master of Computer Application, Master of Business Administration

Ph.D, M.Phil, M.Sc. Dissertation Student:

Ph.D	06 (Pursing)	
M.Phil	01 Completed	
1	Multiobjective Transportation Problems, Issues and Solution	Ms.Parul R Khhna
M.Sc. (Guide)	02 Completed	
1	An Efficient Evaluation & Review of Project Network by Monte Carlo Simulation, Ant Colony Optimization Algorithm and Multi-objective Grey Situation Decision-making Theory	Divyang U. Gor (I08MA027)
2	Mathematical Model For Agriculture Food Grains Prediction Under The Effect Of Migration Based Population Growth	Nikhil R. Choksi(I08MA022)
M.Sc. (Co-Guide)	02 Completed	
1	Prediction of Stock Market Using Monte Carlo Simulation	Deven J Ramani(I08MA015)
2	Biological Mathematical Models	Mihir Panchal(I08MA023)

Published Paper: Author & Co-Author

Sr.No	Title of the paper	Name of journal/Conference/Publisher	Page No. Volume, Issues No. & Year
International Journal			
1	Transportation Problem Issues and solutions with a Technological Approach	International Journal of Application or Innovation in Engineering & Management (IJAIEM)	Volume1, Issue 2, August 2012 ISSN 2319 - 4847
2	Mathematical Model Based on Human Speech Recognition and Body Recognition	International Journal of Engineering Research & Technology (IJERT)	Vol. 1 Issue 4, June – 2012, ISSN: 2278-0181
3	Effect of Political issues on Indian Stock Market	International Journal of Economics and Business	Vol. 3, No. 3, 2011, ISSN (Online): 1756-9869 -

		research, UK, Inderscience Publication.	ISSN (Print): 1756-9850.
4	Multi-Objective Transportation Problem, Issues and Solution with Technological Approach	International journal of Mathematics Sciences & Applications	Vol. 2, No. 3, September 2012, ISSN No: 2230-9888
5	Automatic Data Collection from Data Sources for Effective Management	International Journal "Advances in Computational Sciences and Technology	ISSN 0973-6107 Volume 3 Number 4 (2010) pp. 445–455.
6	Information Communication Technology based survey system	International journal of emerging Technology and application in Engineering, technology and Science	ISSN: 0974-3588	Jan 10 June10	Volume 3 : Issue 1 Pg. no: 160-164
7	Mathematical Modeling Based Algorithm for computing the Optimum College Timetable	International journal of Mathematics Sciences & Applications	Vol. 2, No. 3, September 2012, ISSN No: 2230-9888
8	Effective Business Management Using Information Management and Decision Making System	International Journal "Global Journal of Finance and Management	ISSN 0975 - 6477 Volume 2, Number 2 (2010), pp. 361-366
9	Fake Note Detection Technique	International Journal of Mathematics Applied in Science and Technology (MAST),	ISSN 0973-6344., Volume 2, No 1(2010), pp. 7-15
10	Role of Predictive Mathematical Model and Data Mining Technique for Environment Problems Solution of Multi objective Problem with Information Technology	International journal of Mathematics Sciences & Applications	Vol. 2, No. 3, September 2012, ISSN No: 2230-9888
11	Mathematical Modeling for Text-Mining with Hidden Marcov model	International journal of Mathematics Sciences & Applications	Vol. 2, No. 3, September 2012, ISSN No: 2230-9888
12	Total Quality Management in Education with Information Technology	International Journal of Educational Administration (IJEA), Research India publication,	ISSN 0976-5883 Volume 3, Number 1, (2011), pp. 9-18
Paper Published in International Conference Proceeding			
1	Total Quality Management in Global education System	International Book "Navigating Glocalisation on through Quality Initiatives, Excel Publication,	ISBN:-9788174465948 pp. 7-21 (2008)
2	Quality Management with Automatic Data collection with Web source	International Book Innovation Management and Entrepreneurship	ISBN; 978-81-7446-877-2, pp:104-117(2010)
3	Information Communication	International Book Innovation	ISBN; 978-81-7446-877-2,

	Technology Based Structure for Business Intelligence	Management and Entrepreneurship	pp:73-80 (2010)

Paper Published in National Journal

1	Technology Based solution to convert Unstructured data in to Structured Data	NJCST, National Journal of Computer Science and Technology.	ISSN: 0975-2463, Volume 2, Issue 1, jan-Jun-2010. Pp. 40 to 43
2	Theory and Methodology Optimal Cropping Patterns and Water Defects	Journal of Veer Narmad south Gujarat University Surat,	Volume- IV, B-Science, Page: 98 to 106, ISSN: 0975-5446 (2006)
3	Future of Rainfall in North-West part of India during South-West Monsoon Session	Journal of Veer Narmad south Gujarat University Surat, journal of science	Volume- IV, B-Science, Page:107 to 115, ISSN: 0975-5446(2006)
4	Linear Programming and Tourism Development	VNSGU Journal of science	Volume- V, B-Science, Page:157 to 163, ISSN: 0975-5446(2007)
5	Solution of Agricultural Problems with mathematical and Statistical models	VNSGU Journal of science	Volume- V, B-Science, Page:147 to 156, ISSN: 0975-5446 (2007)

Paper Published in National Conference Proceeding

1	Knowledge Discovery for optimum cropping pattern Using ICT in Agriculture	National Conference on Advance Data computing, Communication and Securities, Kadi, Oct-2007	ISBN: 0975-2463, page: 122 to 128 (2008)
2	Limitation of Data Mining techniques to solve Environment Problem and Solution	NDTS, SRIMCA	ISBN:0979-71-8847-788-1, pp282-288 (2011)
3	Mathematical Model for predication of average Utilities Requirement of region Specific Population with Remote-sensing and IT based system	NDTS, SRIMCA	ISBN:0979-71-8847-788-1, pp246-248 (2011)
4	Lagrange's Multipliers based Computing technique for optimization	National Conference on Technological Driven Society	ISBN:0979-71-8847-788-1, pp289-292 (2011)
5	Object detection and Distance Measurement Technique	National Conference on Technological Driven Society	ISBN:0979-71-8847-788-1, pp18-22 (2011)
6	Technological Development in Agriculture and Requirements	National Conference on Technological Driven Society	ISBN:0979-71-8847-788-1, pp293-297 (2011)

Conferences/ Seminar/ Workshop/ Training attended

Title	Organization	Place & Date
Gujarat Ganit Mandal 38 conference	Jivan Bharti Mandal and C,Z,Shah Education Trust, Surat.	Surat, 10th -12th Nov, 2001
Gujarat Ganit Mandal 39 conference	Shri O.VE. Sheth Pardehik Lokh Vigyan Kendra Rajkot	Rajkot, 14-16 Nov 2002
"Advance Training of Math's sponsored by Delhi"	Zadesver college, Bharuch	Bharuch, 2-10th Nov, 2000

State level Teacher Training Camp "Quality Professional Education –Challenges for Institutions"	Shrimad Rajcandra Institute of Management and Computer Application, Gopal Vidhyanager.	Tarsadi, 2nd April 2005
State level workshop of "D-Link"	SRIMCA, Gopal Vidhyanager.	Tarsadi, 2005
Workshop of "Improvement in skill of Teaching"	BVPIMCIT, Gopla Vidhyanagar.	Tarsadi, 2005
Gujarat Ganit Mandal 43 conference	VNSGU,Surat (Gujarat)	Surat, 2006
Websphere, DB2 and Eclipse Technologies	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 4-6 Dec 2006
"Applied Research & Stock Market Analysis"	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 2006
Network Security	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 2006
Impact of Mathematics on live industrial problem	GSET Vallabha Vidhyanagar, Anand(Gujarat)	Anand, 19 August 2006
National level conference "Indian Conference in management-2007	S.K.Patel Institute of Management and Computer studies. Gandhinagar, Gujarat	Gandhinagar, Gujarat, 1-2 Decmber, 2007
National conference ETA-2006	Computer Science department, Saurashtra University at Rajkot	Rajkot, 1-2 Oct, 2006
AI and Soft computing	ADIT Vallabha Vidhyanagar, Anand(Gujarat)	Anand, 24th Sep 2006
IBM TSM Express-Tivoli software	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 31st Aug to 2nd Sep 2007
University level seminar "Sampling interface, Decision Theory, Operation research"	S.B.Garda(Arts) & P.K.Patel College of commerace Navsari(Gujarat)	Navsari, 29th Sep 2007
State level conference 44 "Gujarat Ganit Manadal"	Ambelal M Hoste, Savali Road Vadoddara (Gujarat)	Vadoddara, 4-6 Nov, 07
National conference IDBIT-2008	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 23-25 Feb, 08
National conference NCIRP-2006	SRIMCA, Gopalvidyanagar Tarsadi (Bardoli), Gujarat	Tarsadi, 20-30 April,06
National level conference EVISION-2007	S.K.Patel Institute of Management and Computer studies, Kadi (Gujarat)	Kadi(Gujarat), 6-7 Oct 2007
National level Seminar PDE and Scientific	VNSGU,Surat (Gujarat)	Surat, 23-25 January, 2006
Gujarat Ganit Mandal 44 conference	Ambe Vidyalaya- M.S.Hostel, Vadodara	Vadodara, 4-6 November, 2007
Gujarat Ganit Mandal 45 conference	Gujarat Ganit Mandal 45th conference, Hemchandra Chariya Utter Gujarat University, Patan	Patan, 13th to 15th November-2008

National seminar on Current trend in ICT	Department of computer Science, Sardar Patel University, Vallabh VidyaNagar	VidyaNagar, 14th Feb-2009
GSC-2009,Gujarat Science Congress, 2009	Veer Narmad South Gujarat University, Surat & Gujarat Science Academy-Ahemdabad	Surat, 15th Feb-2009.
Workshop on MATLAB and Simulink	SVNIT, University Surat	Surat, 21th -22nd Feb-2009
9th Workshop on Cryptography	SVNIT, University Surat	Surat, 7 -9th Aug-09
Innovations in Education	Gopal Vidyanagar, Tarsadi	Maliba, 25-26th Sep,2010
Application of Remote sensing and Geospatial Technique	Department of Civil Engineering, Changa (Nadiad)	Nadiad, 23rd– 24th Dec.2010
Indian Mathematical Society organized "National Conference"	National Institute of Technology (SVNIT), Surat.	Surat, 27th – 30th Dec.2010
National Conference NCTDS by CSI and SRIMCA	SRIMCA, Gopal Vidyanagar, Bardoli(Tarsadi)	Tarsadi, 11th -12th February, 2011
National Seminar on Resent trend in Fluid Dynamics and Optimization techniques	Rajasthan University, Jaipur (Department Of mathematics)	Auguest 6th -9th , 2011
State level seminar Project demonstration on Differential Equation	L.D. Engineering college Ahmadabad (Department of Mathematics)	16th July, 2011
International Conference on Advance in Modeling, Optimization and Computing (AMOC-2011)	IIT, Roorkee, Uttrakhand, Department of Mathematics	December 5-7, 2011
International Conference on Special Function and Their Application	SVNIT, Surat	27th to 29th -June -2012
Workshop on " Life of Srinivasa Ramanujan and his contribution in field of Mathematics	SVNIT, Surat	2-27 October-2012
International meet 57th Congress of Indian society Theoretical applied Mechanics (ISTAM)	DIAT(Deemd university) Pune	17th-20th December, 2012
Training Programme Attended		
Mathematical Statistics for Researchers, Engineers and Scientists	One week Short term training Program, SVNIT, Surat	2nd -6th September 2013
Current Trends in Computational Methods for PDE and Fluid Mechanics	One week Short term training Program, SVNIT, Surat	19th – 23rd August 2013
Recent Advances in Computation Technique for	One week Short term training Program, SVNIT, Surat	5th -9th, August, 2013

Materials Engineering Practices		
Computational Fluid Dynamics for Engineers and Researches	One week Short term training Program, SVNIT, Surat	8th July to 12th July-2013
Application of Mathematics in Real world problem	ISTE-SRM Sponsored Short term Training Program, SVNIT surat	18th March to 22th March-2013
Mathematical Method for Physical science and Engineering	One week Short term training Program, S.V.National institute of technology surat	6th Mat to 10th May-2013
Pedagogy Training Programme Developing Teachers for effective Teaching and Research	One week Short term training Program, SVNIT, Surat	3rd to 7th June, 2013
Optimization technique for Scientist and Engineers	One week Short term training Program, SVNIT, Surat	17th June to 21th June, 2013
"Advance Training of Math's sponsored by Delhi"	Zadesver college, Bharuch	Bharuch, 2-10th Nov, 2000

Project Development

Year	Title	Reference
2006-2007	"Hostel Management System",	Project Invite2006 - 2007, IBM & Gujarat Government
2007-2008	"All India school Survey",	Project TGMC-2007-2008, National Level with IBM
2008-2009	"Electronic post office System",	Project TGMC 2008-2009, National Level with IBM
2009-2010	Agri- Management System,	Project TGMC 2009-2010, National Level with IBM

Expert Talk

No	Title	Place
1	Current Problem in Real world and their Solution with Mathematical Statistics	SVNIT, Surat, (In One week Short term Training Programme)(MSFRES-2013), 05/09/2013
2	CFD and Multi objectives problems	SVNIT, Surat, (In One week Short term Training Programme)(CFDFES-2013), 12/7/2013
3	ODE Based Fluid Dynamics Model and Optimization in Fluid Dynamics	SVNIT, Surat, (In One week Short term Training Programme)(CFDFES-2013), 9/7/2013
4	Numerical Error and Solution of Algebraic Equation with Numerical Analysis	SRIMCA, UTU, Mahuva, 10/8/2013
5	Simple and multi-objective optimization Problem	S.V.National Institute of Technology, Surat, (In One week Short term Training Programme)(OTES-2013) 19/06/2013
6	Multiobjective Transportation Problem and their Solution	S.V.National Institute of Technology, Surat, (In One week Short term Training Programme)(OTES-2013) 19/06/2013
7	Basics of Partial Differential Equation and its Application	C.G.Patel Institute of Technology, Gopal Vidyanagar Campus, Uka Tarsadiya University Bardoli. (2012)
8	"How to teach mathematics with Information communication technology"	VNSGU, Gujarat Ganit Manadal Conference.(2007)
9	"Mathematics and ICT for Real world	45th Conference Annual Conference of Mathematics,

	Problem", at PATAN	Hemchandra Chariya University.(2009)
10	" Basic of Research"	Computer society of India, Bardoli Chapter on CSI day SRIMCA(2010)
11	"Computer Education and their Importance"	D.N.Patel Computer Center, Bardoli(2008)
12	"Technology, Advancement and Computing"	Department of Mathematics, VNSGU, Surat.(2010)

Other Duties perform/Membership

Year	Duty	Year
2013	SRM Membership	Continue
2012	Society of Special Function Membership	Continue
2011	MCA, MBA, B.E Mathematics Syllabus designer, Uka Tarsadiya University, Gujarat.	Continue
2010	B.Sc(Computer Science) Syllabus designer, Govt. of Gujarat	Continue
2009	Gujarat Technological University Co coordinator	2011
2007	Gujarat Knowledge Society Coordinator	2011
2009	National Journal "NJCM" Referee	Continue
2008	International Journal " IJMR" Referee	Continue
2007	Editorial Member of Srijan Magazine, SRIMCA	2008
2006	Gujarat Ganit Mandal Membership	Continue
2008	Indian Mathematical Society Membership	Continue

Organized Conference/ Workshop/ Seminar/ Techfest

Year	Event	Duty
2013	One week Short term training Program, SVNIT, Surat Mathematical Statistics for Researchers, Engineers and Scientists 2nd -6th September 2013	Coordinator
2012	Workshop on " Life of Srinivasa Ramanujan and his contribution in field of Mathematics, SVNIT, Surat (Two-Day)	Organizing Committee Member
2011	State level Competition "Sci-Clone", CGPIT(Two-Day)	Organizing Committee Member
2009	State level Competition "Tech Fest", SRIMCA (Two-Day)	Organizing Committee Member
2008	National Conference "IDBIT", SRIMCA (Two-Day)	Organizing Committee Member
2007	National Comitation "Prayyash" For Management and Compuer, SRIMCA (Two-Day)	Organizing Committee Member
2006	National Conference of Computer"NCIRP", SRIMCA, (Two-Day)	Organizing Committee Member

Achievements

2009	**Best Paper award** for the paper entitled "Mathematics and ICT for Management" in 23rd Gujarat Science Congress-2009" at Gujarat by 23rd Gujarat Science Congress-2009.
2002	University **A. P. Verma Gold Medal** for securing the University Topper position with **93.75 %** in M.Sc Program [From the honorable Governor Naval Kisor Sharma of Gujarat at the Convocation Function] by V.N.S.G.University, Surat
2000	First prize for securing the **University Topper position** with **92.5 %** in S.Y.B.Sc Program By

	V.N.S.G. University, Surat.
1999	Manubhai Marfatia award for securing the **University Topper position** with **88.67** % in F.Y.B.Sc Program [From the Honorable Governor Sunder singh Bhandariji of Gujarat at the Convocation Function] by V.N.S.G. University, Surat.
2001 - 1999	1. Best Student Award 2. Srimati santaben Desai Award 3. Shri Parsotambhai Desai Award 4. Shri Ramchaya paritoshik 5. Shri morarbhai parhubhai Patel scholoarship 6. Shri Anil Kumar shah Prize 7. Navnirman Shamiti Prize 8. Srimati Joyti Mistri Prize 9. G.H.Bhakt Memorial Fondation Trust prize 10. Anand Paritosik