

Shrimad Rajchandra Institute of Management and Computer Application

Name	Dr. Jikitsha Sheth		
Qualification	MCA, Ph.D.		
Area of Interest	Natural Language Processing and Machine Learning		
Teaching Experience	13 years		
Research Experience	3 years		
Subjects Teaching	Database Management System, Web Application Development and Data Analytics		
Research Papers			
Presented	04		
Published	21		
Software Project			
Presented	01		
Articles			
Published	07		

Conferences/ Seminar/ Workshop/ Training attended			
Title	Organization	Place	Date
International Conference on Natural Language Processing	Punjabi University, IIIT-Hyderabad and NLPAL	Patiala	16th Dec- 19th Dec 2018
Workshop on Machine Learning	CSI-Mumbai Chapter	Mumbai	31 st Aug- 01 st Sept 2018
Faculty Development Programme for Student Induction Program	AICTE	SVNIT, Surat	18 th -20 th July 2018
Deep Learning	IIT-Gandhinagar	Gandhinagar	27 th July 2017
6 th IIIT Hyderabad Advanced School on Natural Language Processing (IASNLP 2015)	Language Technologies Research Centre, IIIT-Hyderabad	Hyderabad	1 st -15 th July 2015
2 nd National Seminar on Natural Language Processing and Data Mining	Department of Computer Science, VNSGU.	Surat	3 rd -4 th March 2015
Faculty Development Programme on Digital Image Processing	SRIMCA, UTU	Gopal Vidyanagar	21 st -22 nd Feb 2015
5 th National Conference on Indian Language Computing	Department of Computer Applications, CUSAT, KOCHI.	KOCHI	17 th -18 th Jan 2015
FDP on "Natural Language Processing"	GNDEC	Ludhiana	13th-17 th Jan 2014
5-days STTP on "Machine Learning"	Sardar Vallabhbhai National Institute of Technology (SVNIT)	Surat	17th-21st June 2013
Seminar on "Knowledge Management"	SRIMCA	Gopal Vidyanagar	5th June 2013
International Conference on Recent Trends in Information Technology and Computer Science(ICRTITCS-2012)	Thakur College of Science and Commerce, University of Mumbai, CSI and IJCA	TCSC, Mumbai.	17-18th Dec 2012
National Seminar on "Natural Language Processing and Data Mining" (NLPDM-2012)	VNSGU	Surat	3rd-4th March 2012
National Conference on Technology Driven Society (NCTDS-2011)	SRIMCA	Gopal Vidyanagar	Feb-2011
Workshop on "Innovations in Education"	Bardoli Pradesh Kelvani Mandal	Gopal Vidyanagar	25th - 26th Sept 2010
Workshop on "AJAX"	C. K. Pithawala College of Engineering and Technology	CKPCET, Surat	18th Sept 2010

	(CKPCET)		
Workshop on “Enterprise Web Application Development with Java Server Faces”	J.P. Dawer Inst. of Information Science & Technology (JPDIIST)	JPDIIST, Surat	5th Sept 2010
Orientation Programme	ASC-Indore	Indore	29th Jan-25 th Feb 2010
STTP on Knowledge Management: Issues and Challenges	Sardar Vallabhbhai National Institute of Technology (SVNIT)	Surat	4th-8th Jan 2010
Training programme on IBM DB2 Fundamentals(730)	SRIMCA	Gopal Vidyanagar	16th -18th Nov 2009
Workshop on “Data mining with PASW modeler”	Department of Research Methodology & Interdisciplinary Studies in Social Sciences, VNSGU	VNSGU, Surat	6th Oct 2009
Seminar on “Information Security”	SRIMCA	Gopal Vidyanagar	27 th Sept 2009
Workshop on Advanced Developer Technologies	J.P. Dawer Inst. of Information Science & Technology (JPDIIST)	JPDIIST, Surat	3rd Apr 2009
Faculty Induction Programme on “Cyber Security”	Sardar Vallabhbhai National Institute of Technology (SVNIT)	SVNIT, Surat	19th-23rd Jan 2009
Faculty Induction Programme under Finishing School Programme	Sardar Vallabhbhai National Institute of Technology (SVNIT)	SVNIT, Surat	15th -19th Dec 2008
Workshop on “Innovative Teaching Methodology”	SRIMCA	Gopal Vidyanagar	11-15th Jun, 2008
Faculty Development program on Developing Applications for the Java EE Platform	Sun Microsystems and Nasscom	AES Institute of Computer Studies, Ahmedabad.	26th - 30th May, 2008
UML Workshop	C. K. Pithawala College of Engineering and Technology (CKPCET)	CKPCET, Surat	5 th -6 th Apr, 2008
Workshop on "IBM-TSM Express"	SRIMCA	Gopal Vidyanagar	31st Aug -2nd Sept, 2007
Workshop on “ASP .NET Revolution”	SRIMCA	Gopal Vidyanagar	22nd-23rd Sept, 2007
Training Program on “Information Security (IS-2007)”	Sardar Vallabhbhai National Institute of Technology	Sardar Vallabhbhai National Institute of Technology, Surat	19th - 24th Mar, 2007
Regional Students’ Convention & Competition and seminar on “Software Engineering Methodologies and Tools”	CSI-Ahmedabad Chapter and Computer Science Department, HNG University	Patan	17th - 18th Feb, 2007
Workshop on Websphere, DB2 and Eclipse Technologies	SRIMCA and IBM	Gopal Vidyanagar	4th-6th Dec, 2006
Training program in .NET Technology for faculty members of MCA institutes in Gujarat	AES Institute of Computer Studies and CSI Ahmedabad Chapter	AES Institute of Computer Studies, Ahmedabad.	17th -19th Nov, 2006

Symposium on AI and Soft Computing	IEEE Gujarat Section and IEEE Student Chapter , ADIT	A. D. Patel Institute of Technology, Vallabh Vidyanagar	24th Sep, 2006
National Conference on Intelligent Information Retrieval and Processing	SRIMCA and CSI Surat Chapter, SRIMCA	Gopal Vidyanagar	29th -30th Apr, 2006
State level workshop on “Advanced Network Management”	SRIMCA	Gopal Vidyanagar	17th Oct 2005
Software Project Presented			
Year	Title	Reference	
2018	“Text Summarizer for Gujarati News”	Jikitsha Sheth, Bankim Patel, “Text Summarizer for Gujarati News”, International Conference on Natural Language Processing(ICON-2018), 16-19th Dec 2018, Punjabi University, Patiala.	
Paper Presented			
Year	Title	Reference	
2015	“Gujarati Phonetics and Levenshtein based String Similarity Measure for Gujarati Language”	Jikitsha Sheth, Bankim Patel, “Gujarati Phonetics and Levenshtein based String Similarity Measure for Gujarati Language”, 5th National Conference on Indian Language Computing, 17-18th Jan 2015, Department of Computer Applications, Cochin University of Science of Technology, Kochi, Kerala.	
2013	“Stemmer for morphological level analysis of Gujarati language”	Jikitsha Sheth, Bankim Patel, “Stemmer for morphological level analysis of Gujarati language”, Work in Computing Conference, Apr-2013, ACM-Pune, Pune.	
2012	“Stemming techniques and naïve approach for Gujarati Stemmer”	Jikitsha Sheth, Bankim Patel, "Stemming techniques and naïve approach for Gujarati Stemmer", International Conference on Recent Trends in Information Technology and Computer Science(ICRTITCS-2012), 17-18 th Dec 2012, Thakur College of Science and Commerce, Mumbai.	
2007	“ IT Students: Soldiers in the Phight against Phishing”	Dharmendra Bhatti, Jikitsha Sheth, “ IT Students: Soldiers in the Phight against Phishing”, Western Regional Round of Young IT Professional Awards (YITPA) - 2007, Mumbai, March 2007	
Publications			
Year	Title	Reference	Publication Type
2018	“A Review Of Machine Translation Systems For Indian Languages And Their Approaches”	Padhya, D., Sheth, J. “A Review Of Machine Translation Systems For Indian Languages And Their Approaches”, International Conference on Emerging Trends in Expert Applications & Security (ICETEAS-2018), Feb 2018.	Research Paper
2018	“Comparison of String Similarity Algorithms to measure Lexical Similarity”	Gandhi, S., Pandit, H., Thakor, M., Patel, H. and Sheth, J. “Comparison of String Similarity Algorithms to measure Lexical Similarity”, National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 10, No. 2, pp. 139-154, Jan 2018.	Research Paper
2017	“Saaraansh: Gujarati Text Summarization System”	Sheth, J., Patel, B. “Saaraansh: Gujarati Text Summarization System”, International Journal of Computer Science, Information Technology and Security(ISSN: 2249-9555	Research Paper

		(Online), 2250-1355 (Print)), Volume 7, No. 3, pp. 46-53, Jun 2017	
2015	“Improved Apriori Algorithm using Bottom-up approach”	Prajapati, P., Sheth, J., “Improved Apriori Algorithm using Bottom-up approach”, In Proceeding of 2nd National Seminar on Natural Language Processing and Data Mining, pp.19, Mar 2015	Research Paper
2015	“Gujarati Phonetics and Levenshtein based String Similarity Measure for Gujarati Language”	Sheth, J., Patel, B. “Gujarati Phonetics and Levenshtein based String Similarity Measure for Gujarati Language”, In Proc. of 5th National Conference on Indian Language Computing, pp. 41- 44, ISBN: 978-93-80095-61-5, Jan 2015. Published on CSI Digital Resource Center http://csidl.org/handle/123456789/790	Research Paper
2014	“Comparative Study of Spelling Checking Algorithms for Gujarati Language”	Sheth, J., Naik, N., Raval, M. “Comparative Study of Spelling Checking Algorithms for Gujarati Language”, Vision & Quest-International Journal of Science, Technology & Management(ISSN-0975-8410), Volume 4, No. 2, pp. 75-80, Dec 2014.	Research Paper
2014	“Performance Improvement with Hashing to solve 0-1 Knapsack Problem using Genetic Algorithm”	Mistry, A., Kuchhadiya, B., Prajapati, H., Prajapati, Y. and Sheth, J. “Performance Improvement with Hashing to solve 0-1 Knapsack Problem using Genetic Algorithm”, National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 7, No. 1, pp. 61-70, Dec 2014.	Research Paper
2014	“Word Sense Disambiguation using S-WordNet”	Patel, J., Vagadiya, N., Dobariya, D., Gohel, H., Donda, T. and Sheth, J. “Word Sense Disambiguation using S-WordNet,” National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 7, No. 1, pp. 71-84, Dec 2014.	Research Paper
2014	“Dhiya: A stemmer for morphological level analysis of Gujarati language”	Sheth, J, and Patel, B. “Dhiya: A stemmer for morphological level analysis of Gujarati language, ” Proc. of International conference on Issues and Challenges in Intelligent Computing Techniques (ICICT) published in IEEE Xplore, pp.151-154, 10.1109/ICICT.2014.67812	Research Paper

		69 , Feb 2014.	
2013	Internet Marketing: Comparative Analysis of Search Engine Optimization Applications on various Parameters	Mistry, P., Mistry, D. and Sheth, J. "Internet Marketing: Comparative Analysis of Search Engine Optimization Applications on various Parameters", National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 6, No. 1, pp. 79-100, Jun 2013.	Research Paper
2012	Stemming techniques and naïve approach for Gujarati Stemmer	Sheth, J. and Patel, B. "Stemming techniques and naïve approach for Gujarati Stemmer", Proc. Of ICRTITICS - 2012 published in International Journal of Computer Application (IJCA) ISBN 973-93-80872-55-9, 17-18th Dec 2012, Thakur College of Science and Commerce, Mumbai.	Research Paper
2012	"Compression Technique based on Dictionary approach for Gujarati Text"	Maniya, S., Sheth, J., Lad, K., "Compression Technique based on Dictionary approach for Gujarati Text", International Journal of Engineering Research and Development, E- ISSN 2278-067X, P-ISSN: 2278-800X Volume 4, No. 8, pp.104-111, Nov 2012.	Research Paper
2012	"Comparison of Existing Dictionary based on Data Compression methods for English and Gujarati Text"	Maniya, S., Sheth, J., Lad, K., International Journal of Research in Computer and Communication Technology, ISSN 2278-5841 Volume 1, No. 6, pp. 294-299, Nov 2012.	Research Paper
2012	"Hybrid Approach for Measuring String Similarity and its Usage in Supply Type Questions' Answer Evaluation"	Patel, M., Shah, K., Sheth, J., Lad, K., "Hybrid Approach for Measuring String Similarity and its Usage in Supply Type Questions' Answer Evaluation" International Journal of Computer and Electronics Research, (ISSN: 2278-5795) Volume 1, No. 3, pp. 81-87, Oct 2012.	Research Paper
2012	"Challenges for Automated Evaluation of Supply Type Questions and Usage of Similarity Measure to overcome those challenges"	Sheth, J., Patel, B., "Challenges for Automated Evaluation of Supply Type Questions and Usage of Similarity Measure to overcome those challenges", International Journal of Computational Intelligence & Communication Technology, (ISSN-2278-6732), Volume 1, No. 1, pp. 96-102,	Research Paper

		Jun 2012.	
2012	“Comparative Study of Spell Checking Algorithms and Tools”	Shah, K., Patel, M., Sheth, J., Lad, K., “Comparative Study of Spell Checking Algorithms and Tools”, International Journal of Advanced Research in Computer Science (ISSN-0976-5697), Volume 3, No. 3, pp. 421-426, Jun 2012.	Research Paper
2012	“Microarray Analysis in Data Mining for Bioinformatics”	Smart, V., Sheth, J., Lad, K., “Microarray Analysis in Data Mining for Bioinformatics” in Proc. of National Conference of Advanced Trends in Applied Sciences and Technology, (ISBN-978-81-923514-0-7), pp. 242-249, Jan 2012.	Research Paper
2011	“Comparative Study of Web Search Engines and User-Centric Search Engine”	Sheikh, M., Sisodiya, V., Sheth, J., Lad, K., “Comparative Study of Web Search Engines and User-Centric Search Engine”, National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 4, No. 2, pp. 149-161, Dec 2011.	Research Paper
2011	“University Information System : Storage, Retrieval and its service components”	Sheth, J., & Patel, B., “University Information System : Storage, Retrieval and its service components”, Proc. Of National Conference on Technology Driven Society (NCTDS-2011), ISBN-978-93-81248-00-3, pp. 65-69 ,Feb 2011.	Research Paper
2010	“Best Practices for Adaptation of Data Mining Techniques in Education Sector”	Sheth, J., & Patel, B., “Best Practices for Adaptation of Data Mining Techniques in Education Sector”, National Journal of Science and Information Technology (ISSN: 0974-3308), Volume 3, No. 2, pp. 186-192, Dec 2010.	Research Paper
2010	“Improper Internet Usage: Controlling through Policy Model and Identifying Through Data Mining”	Sheth, J., Patel, B., & Bhatti, D., “Improper Internet Usage: Controlling through Policy Model and Identifying Through Data Mining”, National Journal of Computer Science & Technology (ISSN: 0974-3308), Volume 2, No. 1, pp. 16-21, Feb 2010.	Research Paper
2011	Motherhood-Unknown reasons of certain traits development	http://www.articlesbase.com/parenting-articles/motherhood-unknown-reasons-of-certain-traits-development-4992680.html	Article

		Published on 06-07-2011 on www.articlesbase.com	
2010	Google Transliteration	http://srimca.edu.in/SRIJAN/Srijanoct2010/IT/GoogleTransliteration.html Published in October-2010 Issue of SRIJAN e-magazine	Article
2010	How to Remain Happy Forever?	http://www.articlesbase.com/selfhelp-articles/how-to-remain-happyforever-2025769.html Submitted on: 22-03-2010 Viewed 465 times till Jun 2011	Article
2009	Broken Heart Has to Heal	http://www.articlesbase.com/breakup-articles/broken-heart-has-to-heal-959085.html Submitted on: 08-06-2009 Viewed 224 times till Jun 2011	Article
2009	April Fool's Day - Design pranks and enjoy	http://www.articlesbase.com/art-and-entertainment-articles/april-fools-day-design-pranks-and-enjoy-831201.html Submitted on: 24-03-2009 Viewed 303 times till Jun 2011	Article
2008	Display ગુજરાતી (gujarati) Text in HTML page using FrontPage	www.articlesbase.com/web-design-articles/display-text-in-html-page-using-frontpage-696168.html Submitted on: 24-12-2008 Viewed 2760 times till Jun 2011	Article
2007	Word 2007: Is this new incarnation for you?	http://srimca.edu.in/SRIJAN/SrijanOct2007/ITArticles/word2007.htm Published in October 2007 issue of SRIJAN e-magazine	Article

Research Projects

- Received grant for research project on “Gujarati Stemmer for morphological analyser” from Uka Tarsadia University, 2014.
- Received grant for research project on “Machine Transliteration System for transliterating English to Gujarati text” from Uka Tarsadia University, 2017.

Other Achievements

- Received nomination for Best Ph.D. Thesis Award for the thesis entitled “Designing and Development of stemmer and string similarity measure for Gujarati language and their application in text summarization system” by Gujarat Science Agency and Charusat, Gujarat, Jan-2017.
- Participated in live project “Dependency parser based on Paninian framework” in Advanced School on Natural language processing at Language Technologies Research Centre, IIIT Hyderabad, 28th June - 15th July 2015.
- Successfully completed certification of C++ conducted by IIT, Mumbai, March 2013.
- Received Best research paper award for the paper entitled “Stemming techniques and naïve approach for Gujarati Stemmer” at the International Conference on Recent Trends in Information Technology and Computer Science(ICRTITCS-2012), 17-18th Dec 2012, Thakur College of Science and Commerce, Mumbai.
- Successfully completed the certification of IBM WebSphere Integration Developer-V6.2, Solution Development (000-379) with 90.91%, 31st July 2012.

- Successfully completed certification of Python, Linux (91.8%), Scilab(78.18%), Latex(56.25%) and PHP & MySQL(91.89%) by IIT, Mumbai, April 2012.
- Successfully completed the certification of IBM Associate Developer-RAD for WebSphere Software V6.0(000-255) with 96.36%, 25th November 2011
- Successfully completed the certification of IBM Database Associate - DB2 9 Fundamentals (Test 000-730) with 85.94%, 24th November 2009.
- Article “April Fool’s Day - Design pranks and enjoy” won rank in first four places in April Fool’s Day contest organized by Articlesbase.com, 12th April 2009.
- Achieved the honorary award for research paper "IT Students: Soldiers in the Phight against Phishing" in Western Regional Round of Young IT Professional Awards (YITPA) -2007 organized at Mumbai by CSI Mumbai Chapter, 17th March 2007.
- Cleared the Fifth GSET Exam in first attempt conducted on 2nd July 2006 wherein the overall result was 5.47%.

Extension Activities

- ACM Professional Membership
- ISTE Lifetime Membership
- Delivered an expert talk on “Natural Language Processing” organized by Academic Cell, UTU, 11th Mar 2016.
- Delivered an expert talk on “Pattern Matching: A major activity in NLP and Text Analytics” at SRIMCA, 25th Feb 2017.
- Co-ordinated 2-days Seminar on “Natural Language Processing and Text Analytics” at SRIMCA, 25-26th Feb 2017.
- Co-ordinated 2-days Faculty Development Programme on “Digital Image Processing” at SRIMCA, 21-22nd Feb 2015.
- Mentor of Change, Atal Tinkering Lab, Atal Innovation Mission, Niti Aayog, Government of India.