

CURRICULUM VITAE

1.	Name	First Name	Middle Name	Surname
		Uday	Vasantrao	Kulkarni
2.	Present Position	Professor		
3.	Postal Address	Dr. U.V. Kulkarni, Professor, Department of Computer Science and Engineering, SGGS Institute of Engineering and Tech- nology, Vishnupuri, Nanded - 431606, Maharashtra		
4.	Email Address	uvkulkarni@sggs.ac.in kulkarniuv@yahoo.com		
5.	Phone Number	Mobile: 9325612705, 8600046705 Landline: 02462269195		
6.	Date of Birth/Age as on last date of receipt of application	DOB: 20th August 1966 AGE: 52Years, 10 months and 07 days		

7. Educational Qualifications (Graduation onwards):

Sr. No.	Degree	Institute/University	Year of Passing	% of Marks	Specialization
7.1	B.E. (Elec- tronics)	SGGS Institute of Engi- neering and Technology, Marathwada University, Aurangabad	1987	67.4% First Class with Distinc- tion	
7.2	M.E. (Elec- tronics)	SGGS Institute of Engi- neering and Technology, Marathwada University, Aurangabad	1992	71.56% First Class with Distinc- tion	
7.3	Ph.D.	SGGS Institute of Engi- neering and Technology, SRT Marathwada Univer- sity, Nanded	01 Au- gust 2002		Electronics and Computer Sci- ence and Engi- neering

8. Details of Employment in Descending Order

Sr. no.	Post/position held	Name of Institution/Organization	Period		Nature of Duties and Responsibilities		
			From	To	Teaching	Research	Administration
8.1	Lecturer	SGGS Institute of Engineering and Technology	11/11/1987	30/08/1995	Teaching to UG	--	Computer Laboratory In-charge
8.2	Assistant Professor	SGGS Institute of Engineering and Technology	31/08/1995	31/08/2003	Teaching to UG/PG	Research for acquiring PhD degree	Computer Laboratory In-charge, In-charge for online admissions of Engg, MBA, MCA, and Pharmacy, etc.
8.3	Professor	SGGS Institute of Engineering and Technology	01/09/2003	Till date	Teaching to UG/PG, Guiding PhD students	Research with PhD scholars	Worked as Head of Computer Science and Engineering Department, Dean Academics and shouldered many other administrative responsibilities

9. Details of Administrative Experience

Sr. No.	Designation	Nature of duties	Period	
			From	To
9.1	Head, Department of Computer Science and Engineering, SGGS Institute of Engineering and Technology, Nanded	- To provide strong academic leadership. - To lead, manage and develop the department to ensure it achieves the highest possible standards of excellence in all its activities with the support of faculty colleagues from within or outside the department/institution. - To exercise leadership, demonstrate	21 July 2003	12 Jan2006

		vision, and empower others in order to deliver the agreed departmental strategy within the Faculty.		
9.2	Dean, Academic Affairs, SGGS Institute of Engineering and Technology, Nanded	• To ensure adherence to the ordinances as approved by the Senate • To prepare the institute academic calendar. • To advise DFBs, DUGCs, UGPC, UGAPEC,DPGCs, PGPC, PGAPEC regarding the academic rules. • To issue necessary directions for implementation of the ordinances and other decisions. • Plan expansion of academic programs. • To work for International/ National Collaborations in the field of academics. • To supervise the declaration of results and award of medals and degrees. • To maintain academic records as per the requirement under rules. • Creation of more Centers of Excellence. • Upkeep and up-gradation of library. • To get the quality of question papers assessed by external peers. • To do the academic audit by inviting experts from NITs and IITs • Other matter as may be referred by the Senate/BOG/Director.	29 May 2006	31 May 2011
9.3	Head, Department of Computer Science and Engineering, SGGS Institute of Engineering and Technology, Nanded	• To provide strong academic leadership. • To lead, manage and develop the department to ensure it achieves the highest possible standards of excellence in all its activities with the support of faculty colleagues from within or outside the department/institution. • To exercise leadership, demonstrate vision, and empower others in order to deliver the agreed departmental	22 June 2009	30 Sept 2013

		strategy within the Faculty.		
--	--	------------------------------	--	--

10. Present scale of pay: Rs 37400-67000 (AGP Rs 10,000)

11. Total experience: 31 years 07 months

12. Number and Names of Reputed Awards/Recognitions:

Sr. No.	Awards/Recognitions/Honors	Details
12.1	National level gold medal - <i>Institution of Engineers</i>	Recipient of national level Gold Medal and Computer Engineering Division Prize for the paper titled as “Fuzzy Hypersphere Neural Network Classifier,” published in the <i>Journal of the Institution of Engineers (India)</i> in May 2004
12.2	Best teaching faculty Award - <i>SGGS Institute of Engineering and Technology</i>	Award offered in the annual gathering of <i>SGGS Institute of Engineering and Technology</i> , in 2004
12.3	The best paper award - research paper presented in international conference held at <i>Imperial College London, U.K.</i>	The paper entitled Modified Fuzzy Hyperline Segment Neural Network for Pattern Classification and Recognition presented in The World Congress on Engineering -- International Conference of Computational Intelligence and Intelligent Systems 2014, Imperial College London, U.K., 2-4 July, 2014
12.4	Reviewer of International Journals	• Pattern Recognition Letters (Journals published by Elsevier publication, USA) • Expert Systems and Applications (Journals published by Elsevier publication, USA) • IEEE Transactions on Artificial Neural Networks and Learning Systems (Journal published by IEEE society)
12.5	Chairman, Board of studies in Computer Science and Engineering (Faculty of Engineering)	S.R.T. Marathwada University, Nanded
12.6	Member, Board of studies in Computer Engineering (Faculty of Science)	S.R.T. Marathwada University, Nanded
12.7	Member, Board of studies in M. Sc. Computer Management (Faculty of Science)	S.R.T. Marathwada University, Nanded

12.8	Member, Research Recognition Committee (RRC) in Computer Engineering	University of Mumbai
12.9	Member, Research Recognition Committee (RRC) in Computer Science and Engineering	S.R.T. Marathwada University, Nanded
12.10	Member, Board of studies in Electronic and Telecommunication Engineering, Faculty of Engineering	Savitribai Phule Pune University
12.11	Member, Research Recognition Committee (RRC) in Computer Engineering	North Maharashtra University, Jalgaon
12.12	Member, Board of studies in Information Technology, Faculty of Engineering	Solapur University
12.13	Recognition obtained as resource person/expert by delivering expert talks in various ISTE/AICTE/STTP/FDP short-term courses held at different places.	
	• Programming with C and C++, June 29 to July 19, 2000, SGGS college of Engineering and Technology, Nanded • System Engineering: Techniques and Applications, June 18 to June 28, 2000, SGGS college of Engineering and Technology, Nanded • Digital Signal and Image Processing, June 5 to June 17 2000, SGGS college of Engineering and Technology, Nanded • Programming Paradigms, December 2004, Department of Computer Science and Engineering, SGGS Institute of Engineering and Technology, Nanded • Neural Networks and Fuzzy Logic: Theory and Applications, June 11 to June 23, 2001, SGGS college of Engineering and Technology, Nanded • Fuzzy Neural Networks, 26 March 2003, in AICTE-ISTE STTP program, at College of Engineering, Pusad • Applications of Fuzzy and Neural Networks to Electrical and Electronics Engineering, 13-10-2008, VNIT, Nagpur • General Fuzzy Min-Max Neural Network, 19-02-2008, National Conference on Computer Science and Advances in Information technology, held at College of Computer Science and Information technology, Latur • Recent Trends in AI, 10th to 14th Nov 2008, AICTE-ISTE STTP at Jawaharlal Darda Institute of Engineering and Technology, Yavatmal • Artificial Neural Networks, 19 June 2009, Workshop on Metheuristics and their application in Design and Production held at Vignan University, Valdamudi, Guntur, AP • Fuzzy Systems, 14th May 2012, STTP on Emerging Trends in Data Mining, AA and Fuzzy Systems, held at Pimpri Chinchwad College of Engineering, Pune • Advances in Image Processing, Pattern Recognition and Speech Processing, May 2006, Department of Electronics and Communication Engineering, SGGS Institute of Engineering and Technology, Nanded. • Advances in Signal Processing, July 2006, AICTE recognized self sponsored program held at College of Engineering, Ambajogai • Soft Computing Tools, June 2007, AICTE recognized self-sponsored program held at VIIT, Pune • Introduction to ANN and its Applications, 24 Jan 2013, AICTE-STTP, held at SGGS	

	Institute of Engineering and Technology, Nanded • Pattern Recognition, Key Note Address and Chief Guest, 20 Dec 2013, National Conference on Emerging Trends in Electronics and Telecommunications, held at VERI's College of Engineering, Pandharpur • ANN and its Applications, 25 Nov 2013, STTP on Image Processing, AI and Its Applications, HVPM.s College of Engineering and Technology, Amaravati. • Fundamentals and Advances in Artificial Neural networks, TEQIP approved one-week course, Held at SGGS Institute of Engineering and Technology, Nanded, during 09-13 June 2014, Worked as Faculty Coordinator • Introduction to Artificial Neural Networks, STTP on Machine Learning and Computational Intelligence, Sinhgad College of Engineering, Pune, 25-29 May 2015 • Artificial Neural Networks, Support Vector Machine and its Applications, Two Day Workshop on Soft Computing and Neural Networks, RajarshiShahu College of Engineering, Pune, 28-29 August 2015 • Artificial Neural Networks: Basics, Advances and Applications to Classification and Clustering, Faculty Development Program on Intelligent Computing-Algorithm and Applications: ICAA15, held at MIT College of Engineering from 30th Nov to 12th Dec 2015 • Fundamentals of Artificial Neural Networks, Faculty Development Program on Machine Learning, held at Deogiri Institute of Engineering and Management Studies, Aurangabad during 30/11/2015 to 05/12/2015 • Introduction to Artificial Neural Networks, faculty development program on “<i>MATLAB and its Application in Engineering</i>” from 5th Jan 2016 to 9th Jan 2016 sponsored by MSBTE, Mumbai, Mahila Govt Polytechnic, Latur • Research Methodology, Faculty Development Program on Research Instrumentation: Talk and Tools, under QIP sponsored by SPPU, Pune on 8th to 9th Jan 2016 at Department of Computer Engineering, SITS, Narhe, Pune • Matlab in Research and Data Analytics, TEQIP II Sponsored STTP at Department of Information Technology, SGGS Institute of Engineering and Technology, Nanded, May 2 - 6, 2016 • Green IoT, Computational Methodology and Automation, TEQIP II Sponsored one week STTP at Govt. College of Engineering, Jalgaon during 20th to 22nd March 2017
12.14	Worked as member of AICTE committee for • Verification of available facilities for starting new courses in different engineering colleges of Maharashtra, Karnataka, Andhra Pradesh, Telangana, Orissa, and Kerala, • Also worked on the scrutiny committee for research proposals submitted to AICTE, New Delhi.
12.15	Worked on different committees appointed by Director of Technical Education, Mumbai • As an expert for selection of faculty on regular/contract basis in Govt./Private Polytechnics and Engineering colleges. • Worked, as DTE's representative to verify the merit list of FE and SE admissions.

12.16	Worked on different committees appointed by Vice-chancellor of S.R.T. Marathwada University, Vishnupuri, Nanded in relation • to grant of affiliation for starting of new courses/colleges, • as an expert for selection of faculty, • Chairman of university Squad and etc.
12.17	Biographical profile published in 2006 and 2007 by Marquis Who'sWho in Asia

13. Number of Ph.D. guided (completed/in progress):Completed: 17; in progress 08

Sr. No.	Name of the Ph.D. scholar	Thesis Title	Period of supervision	Ph.D. awarded in the year
13.1	Prasad Rajesh Shar-danand	Evolutionary Connection-ism: Amalgamating Fuzzy Neural Technique	Nov 2006	5 March 2012
13.2	B.B.M. Krishnakantha	Analysis of DNA Microarray Gene Expression Data: A Fuzzy Neural approach	Nov 2006	01 June 2012
13.3	Subhash Keshavrao Shinde	An Adaptive Online Recommendation Model for Web Usage Mining	Dec 2006	27 Dec 2012
13.4	Mahendra Hiralal Kondekar	Biometric for personal Identification in Network Society using Fingerprint	Feb 2008	06 Feb 2013
13.5	Prasad Jayashree Rajesh	Implementation of hybrid pattern recognition system combining advanced techniques for people with visual impairments and reading disabilities	Feb 2008	06 May 2014
13.6	Sunil Wagh	Development of algorithms in wireless communication Networks to improve QoS parameters	June 2009	06 May 2014
13.7	Alwesabi Fahd Naseer Abdullah	A Framework of Content Authentication in E-Learning Systems using Soft Computing Tools and based on Software Engineering Standards	Feb 2011	14 Sept 2015
13.8	Mrs. Suhashini Itkar	Development of Distributed Algorithms using for Mining FrequentPatterns	June 2008	23 May 2015
13.9	Mrs. Swati V Shinde	Mining Classification Rules using Fuzzy	Nov 2011	13 April 2015

		Neural Networks		
13.10	Agarkar Balasaheb Shrirangrao	High speed Packet Classification Algorithms for next generation network services	May 2007	01 July 2016
13.11	Bagal S. B.	Pattern Classification using multilayer hybrid Fuzzy-Neural network with technologies of advanced computational intelligence	May 2007	01 July 2016
13.12	Kshirsagar Dhananjay Bhanudas	Development of Neuro-Fuzzy based system for Content Based Image Retrieval (CBIR)	Jan 2008	22 May 2017
13.13	Bag V. V.	Design and development of context-based stock recommendation system	Dec 2008	22 May 2017
13.14	Waghmare Jayshree M	New Methods for Extraction of Classification Rules using Soft Computing Tools	October 2013	22 Feb 2018
13.15	Sangave Sunil	Study and Implementation of Network based intrusion detection and prevention systems	November 2014	22 Feb 2018
13.16	Mane Deepak Tatyasaheb	Design and Development of Supervised Clustering Algorithms	April 2013	06 July 2019
13.17	Sapkal Ashvini	Development of algorithms for leaf diseases diagnosis system using machine learning techniques	March 2013	06 July 2019
13.18	Javheri Santosh Baliram	Design and Development of Encryption Techniques for Secure data Transfer over the Computer Networks	April 2013	In progress
13.19	Ranjanikar Manjiri	Development and Design of New Techniques for Face Recognition and Classification	February 2013	Completed
13.20	Gopal Dadarao Upadhye	Design and Analysis of Pattern Classification Algorithms	October 2013	In progress
13.21	Shetty Balaji	New methods for Effective Data Mining	October 2014	In progress

13.22	Deore Mahindra	Design and Development of algorithms for Big Data Classification	April 2016	In progress
13.24	Manisha Mahindrakar	Design and implementation of novel algorithms for malware classifier	28th April, 2016	In progress

14. Number of Publications (National /International):

National and International Journals: 57

National and International Conferences: 48

Books: 01

Total Publications: 105

List of national/international journal publications is given below.

Sr. No.	Author(s)	Title	Name of the Journal	Indexing
14.1	U. V. Kulkarni, Sontakke T. R., and A. B. Kulkarni	Fuzzy Hyperline Segment Clustering Neural Network	<i>Electronics Letters</i> , Vol. 37, No. 5, pp. 301-303, 2001.	Scopus, Scimago
14.2	U. V. Kulkarni, and K. K. Bhoyar	Devanagari Handwritten Digits Recognition using Weighted Neighborhood Self-Organizing Map	<i>IETE Journal of Research</i> , India, Vol. 48, No. 06, pp. 431-436, 2002.	Scopus, Web of Science, Science Citation Index Expanded, SCImago
14.3	U. V. Kulkarni and T. R. Sontakke	Fuzzy Hypersphere Neural Network Classifier	<i>Journal of the Institution of Engineers</i> , India, Vol. 85, pp. 23-28, May 2004.	Scopus
14.4	U. V. Kulkarni, P. M. Patil, D. D. Doye, T. R. Sontakke	Classification and Clustering of Handwritten Numerical Characters using Modular General Fuzzy Hypersphere Neural Network	<i>WSEAS transactions on Information Science and Applications</i> , Vol. 03, No. 03, pp. 672-676, Mar 2006.	Google Scholar
14.5	R. S. Prasad and U. V. Kulkarni	Two Approaches to Automatic Text Summarization:	<i>International Journal of Computer Engineering and Computer Applications</i> , Vol. 01, No. 01, pp. 24-36, Mar	Google Scholar

		Extractive Methods and Evaluation	2010.	
14.6	R. S. Prasad and U. V. Kulkarni	An Automated Approach to Text Summarization using Fuzzy Logic	<i>International Journal of Computer Engineering and Information Technology</i> , Vol. 23, No. 01, pp. 07-11, May 2010.	Google Scholar, EBSCO
14.7	U. V. Kulkarni, B. B. K. Krishnakanth and Dr. B. G. V. Giridhar	Gene Expression Based Acute Leukemia Cancer Classification: a Neuro-Fuzzy Approach	<i>International Journal for Biometrics and Bioinformatics</i> , Vol. 04, No. 04, pp.136-146, Oct 2010.	Google Scholar
14.8	R. S. Prasad and U. V. Kulkarni	Implementation and Evaluation of Evolutionary Connectionist Approaches to Automated Text Summarization	<i>International Journal of Computer Science</i> , Vol. 06, pp. 1366-1376, Nov 2010.	Scopus
14.9	U. V. Kulkarni and S. K. Shinde	The Hybrid Web Personalized Recommendation Based on WEB usage Mining	<i>International Journal of Data Mining, Modeling and Management</i> , Inderscience publication, Germany, Vol. 02, No. 04, pp. 315-333, Dec 2010.	Scopus, Emerging Sources Citation Index, DBLP
14.1	B. B. M. Krishnakanth, U. V. Kulkarni and B. G. V. Giridhar	Prediction of Cancer Subtypes using Fuzzy Hypersphere Clustering Neural Network	<i>International Journal of Computer Science and Network Security</i> , Vol. 11, No. 02, pp. 173-178, Feb. 2011.	Google Scholar
14.11	B. B. M. Krishnakanth, Dr. U. V. Kulkarni and Dr. B. G. V. Giridhar	Acute Leukemia Cancer Classification using Single Genes	<i>International Journal of Computing</i> , Vol. 03, No. 02, pp. 112-116, Feb. 2011	Scopus
14.12	U. V. Kulkarni, Kondekar M.H., and B. B. M. Krishnakanth	Extended Fuzzy Hyperline Segment Neural Network for Fingerprint Recognition	<i>International Journal of Biometrics and Bioinformatics (IJBB)</i> , Vol. 5, No. 3, pp. 162-172, 2011	Google Scholar

14.13	U. V. Kulkarni and S. K. Shinde	Hybrid Personalized Recommender System Using Fast K-medoids Clustering Algorithm	<i>International Journal of Advances in Information Technology</i> , Academy Press, Finland, Vol. 2, No. 3, pp. 152-158, 2011	Google Scholar
14.14	U. V. Kulkarni, Kondkar M. H. and Chauhan S. S.	Fingerprint Recognition Using Extended Fuzzy Hypersphere Neural Network	<i>International Journal of Computing</i> , Vol. 03, No. 04, pp. 101-105, Apr 2011	Google Scholar, EBSCO
14.15	J. R. Prasad and U. V. Kulkarni	Statistical Feature Extraction and Recognition of Isolated Handwritten Gujarati Characters	<i>CiiT International Journal of Digital Image Processing</i> , Vol. 3, No. 19, December 2011.	Google Scholar
14.16	F. N. Al-Wesabi, A. Z. Alshakaf, and U. V. Kulkarni	A Zero Text Watermarking Algorithm based on the Probabilistic weights for Content Authentication of Text Documents	<i>International Journal of Computer Applications (IJCA)</i> , Special Issue, pp. 388 - 393, 2012.	Google Scholar, EBSCO
14.17	U. V. Kulkarni and S. K. Shinde	Hybrid Personalized Recommender System using Centering-Bunching Based Clustering Algorithm	<i>International Journal of Expert system with application</i> , Elsevier publication, USA, Vol. 39, No. 1, pp. 1381-1387, 2012	Scopus, Web of Science, Science Citation Index Expanded
14.18	F. N. Al-Wesabi and U. V. Kulkarni	State-of-the-Art Digital Watermarking Techniques for Content Authentication with a Case Study of eLearning System	<i>Journal of Intelligent Computing, UK</i> , Vol. 3, Issue. 3, pp. 93-112, 2012.	Google Scholar
14.19	S. Y. Gaikwad and U. V. Kulkarni	A Survey of Security Issues in Wireless Sensor Networks	<i>International Journal of Mobile & Adhoc Network (IJMAN)</i> , ISSN: 2231-6825, Vol. 3, Issue 1, pp. 35-39, Feb-2013.	Google Scholar

14.2	J. R. Prasad and U. V. Kulkarni	Gujrati Character Recognition using Weighted k-NN with Mean Distance Measure	<i>International Journal of Machine Learning and Cybernetics</i> , Springer, ISSN 1868-807, DOI 10.1007/s13042-013-0187-z, August 2013.	Scopus, Science Citation Index Expanded, Google Scholar, ACMx
14.21	F. N. Al-Wesabi, A. Z. Alshakaf and U. V. Kulkarni,	A Zero Text Watermarking Algorithm Based on the Probabilistic Patterns for Content Authentication of Text Documents	<i>International Journal of Computer Engineering and Technology (IJCET)</i> , India, Vol. 4, Issue 1, pp. 284 – 300, 2013.	Google Scholar, ICI
14.22	B. S. Agarkar and U. V. Kulkarni	A Novel Technique for Fast Parallel Packet Classification	<i>International Journal of Computer Applications (IJCA)</i> , ISSN: 0975 - 8887, Vol. 76, No. 4, pp. 18-25, Aug-2013.	Google Scholar, EBSCO
14.23	S. A. Itkar and U. V. Kulkarni	Distributed Sequential Pattern Mining: A Survey and Future Scope	<i>In International Journal of Computer Applications</i> , Vol. 94, No. 18, pp. 28-35, May 2014, DOI:10.5120/16461-6187	Google Scholar, EBSCO
14.24	S. B. Bagal and U. V. Kulkarni	Pruned Modified Fuzzy Hyperline Segment Neural Network and Its Application to Pattern Classification	<i>International Journal of Computer Applications</i> , Vol. 93, No. 12, pp. 43-50, May 2014.	Google Scholar, EBSCO
14.25	D. Sonar and U. V. Kulkarni	Lung Cancer Classification	<i>International Journal of Computer Sciences and Engineering</i> , Vol. 4, Issue-12, pp. 51-55, 2016.	Google Scholar
14.26	Swati Shinde, Uday Kulkarni	Extracting classification rules from modified fuzzy min-max neural network for data with mixed attributes	<i>Applied Soft Computing</i> , Vol. 40, pp. 364-378, March 2016.	Scopus, Science Citation Index Expanded
14.27	J. M. Waghmare and U. V. Kulkarni	Extraction of Classification Rules from Enhanced Fuzzy Min-Max Neural	<i>International Journal of Adv. Research in Computer Science</i> , Vol. 7, No. 7, pp. 89-92, Nov-Dec. 2016.	Google Scholar

		Network		
14.28	Swati Shinde and Uday Kulkarni	Extracting classification rules from modified fuzzy-min max neural network for data with mixed attributes	<i>Applied Soft Computing, Science Direct, Elsevier Publication</i> , 40 (2016) 364–378.	Scopus, Science Citation Index Expanded
14.29	S. A. Itkar and U. V. Kulkarni	An Efficient and Optimized Frequent Pattern Mining using Novel MultiPath-Graph Structure	<i>International Journal of Data Mining, Modeling and Management</i> , Inderscience Publication (2017).9. 79. DOI:10.1504/IJDMMM.2017.082551 .	Scopus, Emerging Sources Citation Index, DBLP
14.3	Swati Shinde and Uday Kulkarni	Extended Fuzzy HyperlineSegment Neural Network with Classification Rule Extraction	<i>Neurocomputing, Science Direct, Elsevier Publication</i> , https://doi.org/10.1016/j.neucom.2017.03.036	Scopus, Web of Science
14.31	J. M. Waghmare and U. V. Kulkarni	Mining Classification Rules from Enhanced Fuzzy Min-Max Neural Network	<i>International Journal of Computer Engineering and Applications</i> , Vol. 11, No. 9, pp. 89-92, Sep. 2017.	Google Scholar
14.32	S. V. Shinde and U. V. Kulkarni	Extended fuzzy hyperline-segment neural network with classification rule extraction	<i>Elsevier Neurocomputing</i> , Vol. 260, pp. 79-91, 2017.	Scopus, Web of Science
14.33	Vipul Bag, Uday V. Kulkarni	Stock Price Trend Prediction and Recommendation using Cognitive Process	<i>International Journal of Rough Sets and Data Analysis (IJRSDA)</i> , Vol. 4, April 2017. https://doi.org/10.4018/IJRSDA.2017.040103	ACM, DBLP, Google Scholar
14.34	ImranKazi, S. S.Chowhan, U. V. Kulkarni	MRI Brain Image segmentation using Adaptive Thresholding and K-means Algorithm	<i>International Journal of Computer Applications</i> , Vol. 167, No.08, pp. 11-15, 2017.	Google Scholar

14.35	B. P. Vasgi and U. V. Kulkarni,	A Secure and Effective Retrieval Using Hash Based Mapping Structure over Encrypted Cloud Data	<i>International Journal of Electrical, Electronics & Computer Science Engineering</i> , Vol. 4, No. 4, pp. 65-72, August 2017.	DRJI, IARC
14.36	D. T. Mane and U. V. Kulkarni	A Survey on Supervised Convolutional Neural Network and Its Major Applications	<i>International Journal of Rough Sets and Data Analysis (IJRSDA)</i> , Vol. 4, pp. 71-82, July-September 2017.	ACM, DBLP, Google Scholar
14.37	Suhasini A Itkar, Uday V. Kulkarni	An efficient and optimised frequent pattern mining using novel multipath-graph structure	<i>International Journal of Data Mining, Modelling and Management</i> , Vol. 9, Issue 1, pp. 79-97, 2017.	Scopus, Emerging Sources Citation Index, DBLP
14.38	AbdalfthahKaid Said Ali, U. V. Kulkarni	Node Density Effect on Reactive, Proactive and Hybrid Routing Protocols in Qos of MANET: Comparative and Simulation Study	<i>Journal of Innovation in Computer Science and Engineering</i> , Vol. 7, Issue 1, pp. 37-42, 2017.	Google Scholar
14.39	A. B. Kulkarni, S. V. Bonde, U. V. Kulkarni	A Novel Fuzzy Clustering Algorithm for Radial Basis Function Neural Network	<i>International Journal on Future Revolution in Computer Science and Communication Engineering</i> , Vol. 4, Issue. 4, pp. 751-756, 2018.	Google Scholar
14.40	A. B. Kulkarni, S. V. Bonde, U. V. Kulkarni	Inter-class and Intra-class Fuzzy Clustering with Pruning Algorithm	<i>International Journal on Computer Sciences and Engineering</i> , vol. 6, issue 5, pp. 94-99, 2018.	Google Scholar
14.41	D. T. Mane and U. V. Kulkarni	Visualizing and Understanding Customized Convolutional Neural Network for Recognition of Handwritten Marathi Numerals	<i>Elsevier Procedia Computer Science</i> , Vol.132, pp. 1123-1137, 2018.	Scopus

14.42	D. T. Mane and U. V. Kulkarni	Pattern Recognition of Iris flower using Neural Network based Particle Swarm Optimization	<i>International Journal of Computer Sciences and Engineering</i> , Vol. 6, Issue 5, pp. 916-920, 2018.	Google Scholar
14.43	S. B. Javheri and U. V. Kulkarni	A Survey on Privacy Preserving Machine Learning Techniques for Distributed Data Mining	<i>International Journal of Computer Sciences and Engineering</i> , Vol. 6, Issue 6, pp. 1130-1139, 2018.	Google Scholar
14.45	A. B. Kulkarni, S. V. Bonde, U. V. Kulkarni	Class-Specific Fuzzy Hypersphere Neural Network	<i>Elsevier Procedia Computer Science</i> . Vol. 143, pp. 285-294, 2018	Scopus
14.46	D. T. Mane and U. V. Kulkarni	Modified Fuzzy Hypersphere Neural Network for Pattern Classification using Supervised Clustering	<i>Elsevier Procedia Computer Science</i> , Vol. 143, pp. 295- 302, 2018.	Scopus
14.47	S. B. Javheri, U V Kulkarni	Design multiuser BGN encryption with customizing Pohlig-Hellman algorithm to solve ECDLP in the prime order sub-groups	<i>Journal of Applied Science and Computations</i> , Vol. 7. pp. 650–657, 2018.	Google Scholar
14.48	Sapkal Ashwini and U. V. Kulkarni	Modified Back-propagation with Added White Gaussian Noise in Weighted Sum for Convergence Improvement	<i>Procedia computer science</i> . Vol. 143, pp. 309-316, 2018.	Scopus
14.50	Sapkal Ashwini T., and Uday V. Kulkarni	Comparative study of Leaf Disease Diagnosis system using Texture features and Deep Learning Features	<i>International Journal of Applied Engineering Research</i> , Vol. 13, Issue 19, pp. 14334-14340, 2018.	Google Scholar

14.51	A.T. Sapkal, U.V. Kulkarni	Leaf Disease Diagnosis using Online and Batch Backpropagation neural network	<i>International Journal of Computer Sciences and Engineering</i> , Vol. 6, Issue 6, pp.362-366, 2018.	Google Scholar
14.52	Mahendra Deore and U.V.Kulkarni	Malware Detection Techniques and it's Classification: A Survey	<i>International Journal of Research in Electronics AND Computer Engineering</i> , Vol.6, Issue no 4, pp.63-71, Oct-Dec 2018.	Google Scholar
14.53	Manjiri Arun Ranjanikar and U.V. Kulkarni	Optimized Face Recognition Using Hybrid Face Descriptor over Plastic Surgery and Unconstrained Facial Datasets	<i>Journal of Advanced Research in Dynamical and Control Systems</i> , Volume 11, 01-Special Issue, pp 720-729, 2019.	Scopus
14.54	Manjiri Arun Ranjanikar and U.V. Kulkarni	Efficient Face Recognition Using Hybrid Dual Cross Patterns and Automated Feed Forward Neural Network	<i>Journal of Advanced Research in Dynamical and Control Systems</i> , Volume 11, 01-Special Issue, pp 708-719, 2019.	Scopus
14.56	Manjiri Arun Ranjanikar, U V Kulkarni	Novel Face Recognition Framework for Plastic Surgery and Unconstrained Facial Datasets	<i>International Journal of Engineering and Advanced Technology</i> , ISSN: 2249 – 8958, Volume-8 Issue-6, August 2019	Scopus
14.57	Gopal D. Upadhye and U.V. Kulkarni	Classification of Handwritten Kannada Digit Using Convolutional Autoencoder	<i>GIS Science Journal</i> , Vol. 7, Issue 6, pp. 149-154, 2020.	Scopus

List of national/international conference publications is given below.

1. Vasgi Bharati P. and Uday V. Kulkarni. "Secure Retrieval in Outsourced Environment using Genetic Algorithm," *5th International Conference on Computing, Communication, Control And Automation (ICCUBEA)*, IEEE, 2019.
2. Thawakar Omkar, et al. "Image and video super resolution using recurrent generative adversarial network," *16th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)*, IEEE, 2019.
3. Gopal D. Upadhye, and U. V. Kulkarni "Pattern Classification of Handwritten Kannada Digits Using Customized CNN," *International Conference on Soft Computing and Signal Processing*, Springer, Hyderabad, 2019.
4. Waghmare Jaishri M. and Uday V. Kulkarni "Unbounded Recurrent Fuzzy Min-Max Neural Network for Pattern Classification," *International Joint Conference on Neural Networks (IJCNN)*, IEEE, 2019.
5. D. T. Mane and U. V. Kulkarni, "Modified Quick Fuzzy Hypersphere Neural Network for Pattern Classification using Supervised Clustering," *2nd International Conference on Soft Computing and Signal Processing*, Hyderabad, India, June 21-22, 2019.
6. S B Javheri, U V Kulkarni, "The Design of Multiuser BGN Encryption with Customize Multiple Pollard-Lambda Instances to Solve ECDLP in Finite Time," *International Conference on Artificial Intelligence and Data Engineering*, NITTE, Karnataka May 23-24, 2019.
7. Sapkal, Ashwini and U. V. Kulkarni, "Fast Converging Magnified Weighted Sum Back-propagation," in *2nd International Conference on Soft Computing and Signal Processing*, Hyderabad, India, June 21-22, 2019.
8. AbdalftahKaid Said Ali, U. V. Kulkarni, "Comparing and analyzing reactive routing protocols (aodv, dsr and tora) in QoS of manet," in *IEEE 7th International Advance Computing Conference (IACC)*, Hyderabad, India, 5-7 January 2017.
9. Kshirsagar, D. B., and U. V. Kulkarni "A generalized neuro-fuzzy based image retrieval system with modified colour coherence vector and texture element patterns," *IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT)*, IEEE, 2016.
10. S.V. Shinde and U.V. Kulkarni "Mining classification rules from fuzzy min-max neural network," *5th International Conference on Computing, Communications and Networking Technologies (ICCCNT)*, IEEE, 2014.
11. Shinde S. V. and U. V. Kulkarni "Modified fuzzy hyperline-segment neural network for classification with mixed attributes," *5th International Conference on Computing, Communications and Networking Technologies (ICCCNT)*, IEEE, 2014.
12. S. B. Bagal and U. V. Kulkarni "Modified Fuzzy Hyperline Segment Neural Network for Pattern Classification and Recognition," *The World Congress on Engineering 2014*, held at Imperial College London, U.K., 2-4 July, 2014
13. S. B. Bagal and U. V. Kulkarni "Extracting Rules from Pruned Modified Fuzzy Hyperline Segment Neural Network for Pattern Classification and Recognition," *3rd IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014)*, Delhi, India, 24-27 Sep. 2014.

14. J. R. Prasad and U. V. Kulkarni, "Gujrati Character Recognition using Adaptive Neuro Fuzzy Classifier," *In proceedings of IEEE ICESC 2014, International Conference on Electronics Systems, Signal Processing and Computing Technologies*, RCOE Nagpur, January 2014.
15. S. A. Itkar, U. V. Kulkarni "Distributed Algorithm for Frequent Pattern Mining using Hadoop MapReduce Framework," 4th *International Joint Conference on Advances in Engineering and Technology*, NCR, ISBN: 978-94-91587-04-7, pp.15-24, Dec. 2013.
16. Mrs. J. R. Prasad, U. V. Kulkarni "Trends in Handwriting Recognition," *IEEE International conference on Emerging Trends in Engineering & Technology*, Goa, ISBN: 978-0-7695-4246-1, pp. 491-495, Nov. 2010.
17. Mrs. J. R. Prasad, U. V. Kulkarni "Template matching algorithm for Gujrati Script Recognition," *IEEE International conference on Emerging Trends in Engineering & Technology*, Nagpur, ISBN: 978-0-7695-3884-6, pp. 263-268, Dec. 2009.
18. R. S. Prasad, U. V. Kulkarni "Machine Learning in Evolving Connectionist Text Summarizer," *IEEE International Conference on Anti-counterfeiting Security and Identification in Communication*, University of Hong Kong, China, pp. 539-543, Aug. 2009.
19. R. S. Prasad, U. V. Kulkarni "A novel evolutionary connectionist text summarizer," *IEEE International Conference on Anti-counterfeiting Security, and Identification in Communication*, University of Hong Kong, China, pp. 606-610, Aug. 2009.
20. Mrs. J. R. Prasad, U. V. Kulkarni "Offline Handwritten Character Recognition of Gujrati Script using Pattern Matching," *IEEE International Conference on Anti-counterfeiting Security, and Identification in Communication*, University of Hong Kong, China, pp. 611-615, Aug. 2009.
21. R. S. Prasad, U. V. Kulkarni "Connectionist Approach to Generic Text Summarization," *International Forum of World Academy of Science Engineering and Technology*, Vol. 55, pp. 640-644, July 2009.
22. S. K. Shinde and U. V. Kulkarni "A Study of Personalized Recommender System Based on Web Usage Mining for e-Commerce," *Proceeding IEEE International Advanced Computing Conference (IACC 2009)*, Patiala, India, Vol. 1, pp. 31-37, March 06-07, 2009.
23. U. V. Kulkarni, and S. K. Shinde "A New Approach for On Line Recommender System in Web Usage Mining," *IEEE International Conference on Advanced Computer Theory and Engineering (ICACTE 2008)*, Phuket, Thailand, Vol. 1, pp. 973-977, Dec. 20-22, 2008.
24. Mrs. J. R. Prasad, U. V. Kulkarni "Feature Selection Method in Hierarchical Clustering," Published in "*Lecture Notes in IAENG IMECS-2008*", ISBN: 978-988-98671-8-8, pp. 502-505, Mar. 2008.
25. Mrs. J. R. Prasad, U.V. Kulkarni "A decision support system for Agriculture using Natural Language Processing: ADSS," Published in "*Lecture Notes in IAENG IMECS-2008*", ISBN: 978-988-98671-8-8, pp. 365-369, Mar. 2008.

26. S. K. Shinde and U. V. Kulkarni "Online recommendation adaptive model using WEB usage mining," *International Conference on Information and Communication Technology (IICT 2007)*, Dehradun Institute of Technology, Dehradun, pp. 80-86, Mar. 2007.
27. Mrs. J.R. Prasad, U. V. Kulkarni "Analysis of feature extraction methods for emotions recognition using pattern recognition approach," *IAENG IMECS 2007*, Hong Kong, Published in "*Lecture Notes in IMECS 2007*", ISBN: 978-988-98671-4-0, pp. 414-419, Mar. 2007.
28. Mrs. J. R. Prasad, U. V. Kulkarni "Analyzing Real World Requirements for Signature Verification Systems to improve fraud detection," *International Conference on Advanced Computing & Communication*, Madurai, pp. 586-589, Feb. 2007.
29. P. M. Patil, S. N. Kulkarni, D. D. Doye, U.V. Kulkarni "Modular general fuzzy hypersphere neural network," *The 17th IEEE Int. Conference on Tools with Artificial Intelligence (ICTAI 05)*, Vol. 1, pp. 447-450, Nov. 2005
30. P. M. Patil, U. V. Kulkarni and T. R. Sontakke "Modular fuzzy hyperline segment neural network," *Proceedings of Int. Joint Conference on Neural Networks (IJCNN)*, Vol. 3, pp. 1939-1944, July 2003.
31. P. M. Patil, P. S. Dhabe, U. V. Kulkarni and T. R. Sontakke "A new clustering method based on geometrical moment of patterns," *The 12th IEEE Int. Conference on Fuzzy Systems, FUZZ'03*, Vol. 2, pp. 887-89, May 2003.
32. P. M. Patil, P. S. Dhabe, U. V. Kulkarni, and T. R. Sontakke "Recognition of handwritten characters using modified fuzzy hyperline segment neural network," *The 12th IEEE Int. Conference on Fuzzy Systems, FUZZ'03*, Vol. 2, pp. 1418-1422, May 2003.
33. P. M. Patil, U. V. Kulkarni and T. R. Sontakke "Modular fuzzy hypersphere neural network," *The 12th IEEE Int. Conference on Fuzzy Systems, FUZZ'03*, Vol. 1, pp. 232-236, May 2003.
34. U. V. Kulkarni and T. R. Sontakke "A Novel Fuzzy Neural Architecture for Pattern Classification and Clustering," *National Conference on Applications of Neural Networks and Fuzzy Systems*, pp. 184-192, Feb. 2002.
35. U. V. Kulkarni, D. D. Doye, and T. R. Sontakke "General Fuzzy Hypersphere Neural Network," *Proceedings of the 2002 International Joint Conference on Neural Networks (IJCNN '02)*, Honolulu, U.S.A., Vol. 3, 12-17, pp. 2369-2374, May 2002.
36. D. D. Doye, U. V. Kulkarni, and T. R. Sontakke "Speech Recognition using Modified Fuzzy Hypersphere Neural Network," *IEEE Int. Joint Conference on Neural Networks (IJCNN)*, Honolulu, U.S.A., Vol. 1, pp. 65-68, May 2002.
37. P. S. Dhabe, S. Bakki, U. V. Kulkarni, and T. R. Sontakke "Rotation Invariant Features: A Method, Problems and Possible Solutions," *IEEE Int. Joint Conference on Neural Networks (IJCNN)*, Honolulu, U.S.A., Vol. 2, pp. 1614-1619, May 2002.
38. P. M. Patil, U. V. Kulkarni and T. R. Sontakke "General Fuzzy Hyperline Segment Neural Network," *IEEE Int. Conference on Systems, Man and Cybernetics*, Hammamet, Tunisia, Vol. 4, pp. 6, Oct. 2002.

39. P. M. Patil, U. V. Kulkarni and T. R. Sontakke "Fuzzy Mean Point Clustering Neural Network," *Proceedings of the 9th Int. Conference on Neural Information Processing (ICONIP'02)*, Singapore, Nov. 2002.
40. P. M. Patil, U. V. Kulkarni and T. R. Sontakke "Performance Evaluation of Fuzzy Neural Network with Various Aggregation Operators," *Int. Conference on Neural Information Processing (ICONIP'02)*, Singapore, Vol. 4, pp. 1744-1748, Nov. 2002.
41. U. V. Kulkarni, T. R. Sontakke, G. D. Randale "Fuzzy hyperline segment neural network for rotation invariant handwritten character recognition," *Proc. Joint Int. Conference on Neural Networks (IJCNN 2001)*, Washington DC, USA, pp. 2918-2923, July 2001.
42. U. V. Kulkarni, T. R. Sontakke, G. D. Randale "Supervised fuzzy hyperline segment neural network classifier," *Proc. WSES Int. Conference on neural networks and applications, Canary Islands, Spain (NNA 2001)*, pp. 4051-4056, Feb. 2001.
43. U. V. Kulkarni and T. R. Sontakke "Modified fuzzy neural network classifier for pattern recognition," *All India seminar on recent trends in computer communication networks (CCN 2001)*, I.I.T. Roorkee, pp. 69-75, Nov. 2001.
44. U. V. Kulkarni, T. R. Sontakke, and S. S. Shitole "Signature Verification using unsupervised learning network with learning vector quantization," *Proc. of Int. Conf. on Communications, Computers and Devices (ICCCD-2000)*, Indian Institute of Technology, Kharagpur, India, Vol. II, pp. 663-666, Dec. 2000.
45. U. V. Kulkarni, T. R. Sontakke, and S. S. Shitole "Isolated Devanagari character recognition using Kohonen's self-organizing map with learning vector quantization," *Proc. of Int. Conf. on Evolutionary Computing for Computer, Communication, Control and Power (ECCAP 2000)*, Crescent Engineering College, Chennai, India, pp. 56-59, 2000.
46. U. V. Kulkarni and S. R. Patil "Back propagation neural network for image compression," *Proc. National Conference of IETE*, Govt. Engineering College, Pune, pp. 16-20, Jan. 1997.
47. U. V. Kulkarni and P. G. Khedkar "Neuro-fuzzy Controllers," *Proceedings of National Conference of IETE, College of Engineering*, Chiplun, pp. 40-44, Jan. 1997.
48. U. V. Kulkarni and T. R. Sontakke "Role and responsibilities of Technical Education Institutes in Innovation and Entrepreneurship," *In a seminar on entrepreneurship development*, SGS College of Engineering and Technology, Vishnupuri, Nanded, Jan. 1990.

15. Number of Books published/under publication:

Sr. No.	Title of Book	Discipline	Details of the reference for study in higher education at the National/International level	ISBN No.
15.1	The 8085A Microprocessor Basics,	Interdisciplinary	Introduced as text book for the subject, "Microprocessors and Interfacing (CS)" in the syllabus of B.Tech.	

	Programming, and Interfacing		IT http://sggs.ac.in/newit/microprocessors-and-interfacing-cs • Introduced in TY Engineering syllabus of Microprocessors and Applications as a Text book by Mumbai University http://www.kgce.org/Syllabus/Microprocessor%20&%20Applications.pdf • Introduced SRTMarathwada University, Nanded, M.Sc. IV semester physics syllabus (revised syllabus effective from June 2009) http://www.srtmun.ac.in/images/NEWBCUD/AcademicSection/Syllabus/MSc/SecondYear/MScPHYSICSSemesterIVSyllabus.pdf • Introduced SRTMarathwada University, Nanded, M.Sc. physics syllabus (revised syllabus effective from June 2015) http://www.srtmun.ac.in/images/NEWBCUD/AcademicSection/Syllabus/MSc/MSC_CBCS/MScSecondYearCBCSJUNE2015Physics.pdf • Introduced in TY Instrumentation Engineering syllabus in 2009-10, Microprocessors and Applications as a Text book by Mumbai University http://www.techexampanga.com/download.php?name=BE/BE%20Syllabus/Instrumentation/TE%20Instrumentation%20OLD.pdf • Introduced in B.Sc. IInd year Electronics in SRTMarathwada University, Nanded from 2010-11 https://www.scribd.com/document/44680004/B-sc-SY-Electronics-Sem	
--	------------------------------	--	---	--

16. Number of Projects (completed/in progress):

Sr. No.	Title of the project	Project Expenditure in Lakhs	Granting Agency	Date of start	Date of completion
16.1	Modernization of Oper-	Rs. 700000/-	AICTE	21/12/2009	March 2011

	ating Systems Laboratory, Sanction Letter No: 8024/RID/BOR/MOD-328/9/10, Dated:		MODROB		
16.2	Design and Verification of Software Systems, Sanction Letter No: 8024/RID/BOR/MOD-328/9/10, Dated:	Rs 460000/-	AICTE RPS	21/12/2009	March 2011
16.3	"Center of Excellence" in Signal and Image processing	Rs. 500 Lakhs	TEQIP II	19/09/2015	In progress
16.4	Consultancy to Zila Parishads Nanded, Parbhani, Hingoli.	Rs. 300000/-	Zila Parishads Nanded, Parbhani, Hingoli.	Completed	
16.5	Consultancy to Traffic Police Department for testing of traffic signals.	Rs. 50000/-	Traffic Police Department, Nanded	Completed	

17. Details of Experience of working with International Bodies or International Exposure through participation in workshops, seminars or conferences held outside the country:

17.1 Experience of participation in international conferences

The paper entitled Modified Fuzzy Hyperline Segment Neural Network for Pattern Classification and Recognition presented in The World Congress on Engineering -- International Conference of Computational Intelligence and Intelligent Systems 2014, held at Imperial College London, U.K., 2-4 July, 2014.

Received best research paper award for the research paper presented in the international conference held at *Imperial College London, U.K.*

18. Experience of organizing events such as workshops, seminars, conferences at an international level within the country in the field of higher education:

<i>Sr. No</i>	<i>International Conference</i>	<i>Contribution</i>
18.1	International Conference on Signal and Information Processing -2016, (ICONSIP - 2016) held at SGGS Institute of Engineering and Technology, Nanded	Panel Discussion Chair and Member of Review Committee

18.2	IEEE International Conference on Advances in Electronics, Communication & Computer Technology (ICAECCT-2016), held at RajrshiShau College of Engineering, Pune	Member of Advisory Committee and Re-view Committee
18.3	Internet of Thing, Next Generation Networks and Cloud Computing - 2016” (ICINC- 2016), held at SKN College of Engineering, Pune	Member of Advisory Committee and Re-view Committee
18.4	Internet of Thing, Next Generation Networks and Cloud Computing - 2017” (ICINC- 2016), organized at SKN College of Engineering, Pune	Working as Member of Advisory Committee and Review Committee
18.5	National Conference on current advances in Human Computer Interaction (NCCA HCI - 2016)	Member of Advisory Committee and Re-view Committee
18.6	International Conference on Data Management, Analytics & Innovation will be held at Zeal Education Society, Pune Date: 24 - 26 February 2017	Member of Technical Program Committee
18.7	International Conference on Recent Trends in Engineering and Science, ICRTES – 2017	Member of Technical Program Committee

19. Demonstrated Experience in Leadership:

19.1 Demonstrated Experience as Head of Computer Science and Engineering Department

During tenure of HOD, I was actively involved in establishing the state-of-the-art laboratories in the department, wired Internet and Wi-Fi connectivity in the institute. We established

- Central Computing Facility with 200 machines and required software
- Operating Systems Laboratory with 50 machines and required software
- Data Structures and Algorithms with 50 machines and required software
- Data Center with all servers
- Setup for wired Internet
- Wi-Fi in the institute.
- Set up for the NPTEL server
- MOUs with industries like TCS and Dlink in the CSE department.
- Nine workshops were organized with the support of experts from TCS for UG/PG students. The focus was on Network and Information Security.
- Set up of Dlink Academy in the department.

19.2 Demonstrated Experience as Dean Academics

- During tenure as Dean Academics other activities lead by me are: preparation of the institute academic calendar, to ensure adherence to the rules and regulations approved by the Senate, to advise academic committees regarding the academic rules and regulations, to supervise the declaration of results and award of medals and degrees, to maintain academic records as per the requirement under rules, other matter as may be referred by the Senate/BOG/Director, plan expansion of academic programs, plan gap analysis for the curriculum, and academic audit by inviting experts from NITs and IITs
- **Introduction and Expansion of academic programs and centers of excellence** is major change occurred since inception of the institute during my tenure as **Dean Academics**
 - UG programs introduced
 - B. Tech. (Chemical) with intake of 30
 - B. Tech. (Electrical) started with intake of 30
 - B. Tech. (Mechanical) started with intake of 60
 - PG programs introduced
 - M. Tech. (IT) intake of 18
 - M. Tech. (CSE) intake of 18
 - M. Tech. (Mechanical) PLM intake of 18
 - Increase in intake of UG programs
 - B. Tech (Civil) intake increased from 30 to 60
 - B. Tech. (CSE) intake increased from 90 to 120
 - Introduction of Center of Excellence
 - Signal and Image Processing -- Rs 500 Lakhs

- **Initiation of Academic audit by inviting experts from NITs and IITs (Yearly)**

After autonomy, we carry out all academic activities curriculum design, continuous evaluation in theory and practical, setting of question papers, evaluation work, till the declaration of results. There are various committees in autonomous structure whose role is to monitor UG and PG programs. To have additional check on academic activities, we felt a need to perform inspection from external agencies. Due to this we introduced a process of academic audit. The academic audit is the process by which we perform review of academics by inviting experts only from NITs and IITs. To perform this activity, we prepared documentation formats to collect the views from the invited experts. At the end by combining reports from all the departments we prepared combined report of academic audit. When we presented this report in front of experts who came for TEQIP audit, the experts appreciated our work. They recommended this activity as a best practice. **Later on NPIU also selected it as one of the best practices and asked all TEQIP funded autonomous institutes to follow this practice of Academic Audit.**

19.3 Demonstrated Experience for Self-Satisfaction

- Conducted five workshops on UPI - PhonePay, BHIM etc. applications for Cashless transactions in the support of Digital India

20. Number of Memberships in Societies and their names:

Sr. No.	Memberships in Societies & their names	Membership Number
17.1	Life Member of Indian Society for Technical Education, New Delhi	LMISTE 14201, from 1993
17.2	Associate member of Institute of Electronics and Tele-communication Engineers	AM99270, from Nov. 1993
17.3	Member of Institution of Engineering and Technology (IET)	Membership No. 1100329797

21. Contribution to co-curricular /extracurricular/ academic environment at Institutional level:

1	Author of a book titled as “8085A Basics, Programming and Interfacing” and coauthored by Dr. T.R. Sontakke.
2	Worked as resource person in Various ISTE/AICTE short-term courses held in the Institute.
3	Worked as Coordinator for conducting ISTE course in the department on “Programming with C and C++”, which was held during June 29 to July 19, 2000.
4	Worked as a Head of Computer Science and Engineering Department for six and half years.
5	Worked as Laboratory In-charge of Microprocessor Laboratory
6	Worked as Laboratory In-charge of Computer Laboratory
7	Worked as coordinator for M.E. (Electronics) in 1999-2000.
8	Worked as Chief Superintendent of Engineering, Law and MBA examinations conducted in May/June 1995 by Dr. B.A. Marathwada University, Aurangabad.
9	Worked as understudy in May/June 1992 in Dr. B.A. Marathwada University, Aurangabad Engineering examinations.
10	Worked, as DTE’s representative to verify the merit list of FE and SE admissions.
11	Worked as Coordinator for First Year Engg., Pharmacy, MCA, and Architecture examinations in 2004.
12	Shouldered responsibility in the department for preparation of proposals that are sent to TEQIP.

13	Worked in a group formed for community services in a TEQIP. Visited different villages around Nanded city and organized computer awareness courses for the teachers in the schools.
14	Shouldered responsibility in the department for preparation of NBA proposal.
15	Worked as chairman of Student Activity Group of the Institute during 2005-06.
16	Worked as Chairman for MBA/MCA online admission process 2006.
17	Worked as Chief Superintendent for engineering examinations held in Nov/Dec 2006 of S.R.T. Marathwada University, Nanded.
18	Worked as resource person to prepare audio visual aids in the subject of Digital Electronics for Yeshwantrao Chavan Maharashtra Open University (YCMOU).
19	Developed the course material for various courses of M.E./M.Tech. and B.E./B.Tech.
20	Worked as a coordinator to prepare proposals for TEQIP in the department and were submitted to the coordinator at the Institute level.
21	Worked as coordinator for submitting the application for Extension of Approval to the AICTE for five years from 2007-08 to 2011-12.
22	Worked as coordinator for Branch Transfer process for five years from 2007-08 to 2011-12 at institute level.
23	Worked as Dean of Academic Affairs successfully for five years.
24	Worked on different committees such as DUGPC, DPGPC, UGPC, PGPC, UGAPC, and PGAPEC.

22. Extension Activities and Outreach

1	Worked as resource person in Various ISTE/AICTE/STTP/FDP short-term courses held at different places.
2	Worked, as DTE's representative to verify the merit list of FE and SE admissions.
3	Worked as member of AICTE committee for verification of available facilities for starting new courses in different engineering colleges of Maharashtra, Karnataka, Andhra Pradesh, Telangana, Orisa, and Kerala.
4	Worked on different committees appointed by Vice-chancellor of S.R.T. Marathwada University, Vishnupuri, Nanded in relation to grant of affiliation for starting of new courses/colleges, as an expert for selection of faculty, Chairman of university Squad and etc.
5	Worked on different committees appointed by Director of Technical Education, as an expert for selection of faculty on regular/contract basis in Govt./Private Polytechnics and Engineering colleges.
6	Worked as resource person to prepare audio visual aids in the subject of Digital Electronics for Yeshwantrao Chavan Maharashtra Open University (YCMOU).

23 Conferences/Seminars/Workshops organized in the institute

1.	Title	Total Days	Expert(s)	Participants and No.
2.	ISTE course on Programming with C and C++	21	Various experts from IITs, NITs and Govt. Engg. Colleges	Faculty - 45
3.	Workshop on Data Security, and Industry Expectations	2	Mr. Satish Kulkarni, James Maslamani, PVS Murthy, TCS Pune and Mumbai	Faculty and Students -100
4.	Workshop on Computer Hardware and Networking	22	Maharashtra Center for Entrepreneurship Development (MCED)	Students from Jalana other than Engg. Graduates - 91 students
5.	Workshop on Computer Hardware and Networking (MCED)	22	Faculty of SGGS	As above
6.	Workshop on Computer Hardware and Networking (MCED)	21	MCED	As above
7.	Workshop on Java Complete, TEQIP-EAPC	2	Experts from Unisoft Technologies, Nagpur	S. Y. (CSE) and T. Y. (IT) - 50
8.	Seminar on Latest Trends in IT and Its Applications in Various Domains TEQIP-IIPC	1	Prashant Katikar, Growth and Glory, Pune, Raghvendra Katikar, Gurnath Kulkarni, Persistent Systems, Pune.	M. Tech. Students - 35
9.	Workshop on UML and its Applications, TEQIP-IIPC	2	Mr. Mahajan Raja, Associate Vice President, GTL Limited, Pune	B. Tech. Students -120
10.	Workshop on Core Java, TEQIP-EAPC	4	Mr. Swapnil Udar, Mr. Vikrant Nikam, Senior Java Developer, Cognizant, Pune	S. Y. B. Tech. Students -70
11.	Workshop on Java and its application on Workspace in PRAGYAA 2013	01	Mr. Nitin Borge, Senior Faculty, SEED Infotech, Pune	Students -190 students from various colleges of Nanded

12.	Workshop on Awareness about Computers and Peripherals Around It in CSE Dept.	01	TY CSE students	60 Students from Z P High School, Vishnupuri, Nanded - and Five teachers
-----	--	----	-----------------	--

24. Consultancy and Testing Activities Carried out

- Consultancy services to Traffic Police Department for testing of traffic signals
- Consultancy services to Zilla Parishad, Parbhani, Hingoli and Nanded
- Consultancy services to State Bank of India, Nanded

25. STTPs/Conferences/Seminars/Workshops Attended

1. *Digital Techniques and their Industrial Applications*, Apr. 18th to 29, 1988, I.I.T. Madras. (ISTE course)
2. *Digital Signal Processing: Theory, Implementation and Applications*, 9th May to 21st May 1988, Department of Electrical Engineering, R.E.C. Calicut. (ISTE course)
3. *Role and responsibility of technical education Institute in Innovation and Entrepreneurship*, 20-21 Jan 1990, SGGSIE&T, Nanded (Seminar at SGGSIE&T)
4. *Electronics Measurement Techniques and Equipment Maintenance*, July 1990, I.I.T. Delhi. (ISTE course)
5. *Strategic planning and Industrial development*, 30 Nov to 2nd Dec 1994, ISTE chapter at SGGSIE&T, Nanded. (ISTE course)
6. *New Developments in the Fields of Engineering and Technology*, 15-02-98, Engineers Forum Chiplun, Ratnagiri. (Paper presentation in seminar)
7. *Emerging Trends in Electronics Telecommunications and IT*, paper presentation in symposium at A C Patil College of Engineering, 18-19 March 2000. (Paper presentation in symposium)
8. *Object Oriented Programming and C++*, Dec. 22 to Jan 3, 1998, Electronics and Computer Science & Engineering Department, Maulana Azad College of Engineering, Bhopal. (AICTE-ISTE)
9. *Multimedia Communication*, Nov. 24 to Dec. 4, 1998, Department of Electrical Engineering, I.I.T., Madras. (STTP-CEP)
10. *Digital Signal Processing*, 16th to 27th March 1998, Instrumentation Department, SGGS College of Engineering and Technology, Vishnupuri, Nanded. (AICTE-ISTE)
11. *Java Programming*, 19/01/2001 to 05/03/2001, Electronics and Computer Science & Engineering Department, SGGS College of Engineering and Technology, Vishnupuri, Nanded. (STTP)

12. *International workshop on Development Environments and Processes*, 11th February 2006, at SGGS Institute of Engineering and Technology, Vishnupuri, Nanded. (International Workshop)
13. *Intellectual Property Rights*, 13th to 14th August 2006 to August 22, 2006, at SGGS Institute of Engineering and Technology, Vishnupuri, Nanded.
14. *Computer Forensics and Data Recovery*, August 21, 2006 to August 22, 2006, at College of Engineering, Pune. (TEQIP Workshop)
15. *Build your own Wi-Fi and WiMax Campus wide Network*, 8th and 9th October 2007, at Science and Technology Park, University of Pune. (STTP)
16. *Advanced Project Management using MS-Project and Primavera*, 11th to 14th December 2007, by SoftTech Engineers Pvt. Ltd. organized at SGGSIE&T, Nanded. (STTP)
17. *Cloud Computing*, 25th to 28th July 2013, FDP conducted by Tata Consultancy Services. (FDP TCS)
18. *Institutional Capacity Building for the Future*, 26-30 December 2005, Administrative Staff College of India, Hyderabad at SGGSIE&T, Nanded. (STTP)