



Dr. Mrs. Jaishri Mahesh Waghmare

Associate Professor

Department of Computer Science and Engineering
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Brief Biography:

Dr. Mrs. Jaishri Mahesh Waghmare completed B.E. in CSE (2000) from MGM's College of Engineering Nanded, M.Tech. In CSE (2009) from IIT Bombay and Ph.D. (2018) from SRTMU, Nanded, under the guidance of Dr. U. V. Kulkarni.

Presently she is working as Associate Professor in CSE department, SGGS Institute of Engineering and Technology, Nanded. She has teaching experience of more than 18 years which includes 6 years of PG teaching. Her fields of interest are pattern classification, neural networks and compilers. She has organized and attended many FDPs, STTPs and workshops. She has been actively involved in various activities at department and institute level.

Courses Taught at SGGSIE&T Nanded

Sr. No.	Course Title	UG/ PG
1	Discrete Mathematics	UG
2	Digital System Design	UG
3	Compiler Design and Optimization	UG
4	Data Structures	UG
5	Database System Design	UG
6	Advanced Database System Design	UG
7	Data and Network Security	UG
8	Object Oriented Programming	UG
9	Advanced Operating Systems	PG

Qualification Details:

Sr. No.	Degree / Branch	Institute / University	Duration	CGPA / Percentage / Grade
1	SSC	Pratibha Niketan High School, Nanded	1993-1994	84.13
2	HSC	Yashwant Mahavidyalaya, Nanded	1995-1996	77.33
3	B.E. (Computer Science & Engineering)	MGM's College of Engineering, Nanded	1996-2000	72
4	M.Tech. (Computer Science & Engineering)	IIT Bombay	2007-2009	8.95
5	Ph.D.	SRTMU, Nanded	2013-2018	--

Experience:

Sr. No.	Post Held	Period	College / Institute	Duration	Subjects Taught
1	Lecturer	20-08-2000 to 17-01-2001	Gramin Polytechnic, Nanded	6 months	Microprocessor and C Programming
2	Lecturer	2001-08-20 to 2004-06-28	MGMCE, Nanded	3 years	Theory of Computation, Computer Graphics, Visual Basic
3	Lecturer	2004-06-29 to 2010-07-04	SGGSIE&T, Nanded	6 years	Discrete Mathematics, Advanced Database System Design, Object Oriented Programming
4	Assistant Professor	2010-07-05 to tilldate	SGGSIE&T, Nanded	9 years	Digital System Design, Compiler Design and Optimization, Data Structures, Database System Design, Advanced Operating Systems, Data and Network Security

Master Thesis Guided: Awarded: 12 In Progress:2

Sr. No.	Name of the Student	Title of the thesis	Status	Level	Year
1	Nikhil Bhople	Efficient Power Aware Routing with power consumption optimization in MANETs	Awarded	M.Tech.	2016
2	Zeeshan A. Qazi	An unlinkable and unobservable secure routing protocol	Awarded	M.Tech.	2016
3	Mr. Amit Bhosle	Spatial corelation aware algorithm for efficient data collection in WSNs	Awarded	M.Tech.	2014
4	Mr. Ankush Sawarkar	Global GAP Certification Services using mKrishi Platform	Awarded	M.Tech.	2014
5	Ms. Vaishali Malekar	Protection against web application vulnerabilities on session data	Awarded	M.Tech.	2013
6	Mr. Dhaval Deolasi	Adaptive cell relay routing protocol for mobile ad hoc networks	Awarded	M.Tech.	2013
7	Ms. Neha V. Donglikar	An enhanced general fuzzy min-max neural network	Awarded	M.Tech	2017
8	Shivali Velhal	FMN	Awarded	MTech	2018
9	Rushali Gurav	MLF	Awarded	MTech	2018

International Journal papers: 5

Sr. No.	Details	Academic Year
1	J. M. Waghmare and U. V. Kulkarni, Extraction of Classification Rules from Enhanced Fuzzy Min Max Neural Network, <i>International Journal of Adv. Research in Computer Science</i> , vol. 7, no. 7, pp. 89-92.	2016-17
2	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.	2016-17
3	Dhaval S. Deolasi, and Jaishri M. Waghmare, Review of Location Based Routing Protocols in Mobile AdHoc Networks, <i>International Journal of Engineering Research and Technology</i> , Vol 2, Issue 4	2013-2014
4	Amit S. Bhosale, Jaishri M. Waghmare, A review of energy efficient in-network data aggregation protocols, <i>International Journal of Engineering Research and Application</i>	2013-2014
5	Vaishali Malekar, J M Waghmare, Web Application Firewall To Protect Against Web Application Vulnerabilities: A Survey And Comparison, <i>International Journal of Computer Technology and Applications</i> , Vol.4, Issue 1	2012-2013

National/International Conference Papers : 4

Sr. No.	Details	Academic Year
1	J. M. Waghmare and U. V. Kulkarni, Unbounded Recurrent Fuzzy Min-Max Neural Network for Pattern Classification, <i>in International Joint Conference on neural Networks</i> , 14-19-July 2019, Budapest, Hungary	2019-20
2	Neha V. Donglikar, Jaishri M. Waghmare, "An Enhanced General Fuzzy Min Max Neural Network for Classification," <i>in International Conference on ICICCS, Madurai, 15-17 June 2017.</i>	2017-18
3	Ankush Dadarao Swarkar, and Jaishri M. Waghmare, Query processing and query optimization in distributed database: A Survey, <i>International Conference on Computer Science, Electronics and Communication Engineering</i>	2013-14
4	J. M. Waghmare and Manisha Mahindrakar, Performance evaluation of Blowfish algorithm based on avalanche effect, <i>in National conference on cyber security</i> , 7-8 June 2012, DIAT, Pune	2012-13

Training Programs Organized:

Sr. No.	Title of Workshop / FDP	Venue	Dates	Remarks
1	Security Challenges in Computer Science	SGGSIE&T	2013-06-24 (5 Day(s))	1 week FDP
2	Fundamentals and Advances in Artificial Neural Networks	SGGSIE&T	2014-03-25 (5 Day(s))	1 week FDP
3	Demystifying GCC through Grey Box Probing	SGGSIE&T	2010-03-06 (1 Day(s))	
4	workshop on Mobile App Development	SGGSIE&T	2016-10-07 (2 days)	
5	Poster Competition cum Exhibition on Data Structures and Programming Languages	CSE Department, SGGSIE&T	2018-04-02	
6	Poster Competition cum Exhibition on Programming fundamentals	SGGSIE&T	2010-01-30	

Expert Talks Delivered / Training Sessions Conducted as Resource Person

Sr. No.	Topic of Expert Talk	Title of STTP / FDP	Venue	Expert Talk Dates
1	AVL trees	Expert Lecture	Indira Institute of Technology (Polytechnic)	2014-02-16
2	Pointers and lists	Course on Programming in C	SGGSIE&T, Nanded	2012-12-15
3	Fuzzy Min max neural network- Classification and its variations	TEQIP-III sponsored FDP on essentials on neural network and fuzzy logic during 18-22 Dec 2017	SGGSIE&T, Nanded	20-12-2017, 2 sessions

Training Programs Attended

Sr. No	Title	Venue	Duration
1.	IEEE WIE International Leadership Summit	Bangalore	30-31 August 2019 (2 days)
2.	Machine Learning and Applications	SGGSIE&T	21-25 January 2019 (5 days)
3.	Academic Leadership Development Programme	IIT Mumbai	3-5 January 2019 (3 Days)
4.	Cyber Security	SGGSIE&T	6-10 March 2018
5.	Essentials of Neural Networks and Fuzzy Logic	SGGSIE&T	18-22 December 2017
6.	Soft Computing Techniques and Applications	Bansthali Vidyapeeth, Rajsthan	23-28 December 2018
7.	Design and Development of Small Satellite	SGGSIE&T	24-29 March 2017
8.	Machine Learning and High Performance Computing	SGGSIE&T	9-10 march 2017
9.	Unified Payment Interface(UPI):Cashless Mode of Payment	SGGSIE&T	31 December 2016

10.	High Impact Presentations	Dale Carnegie Training Centre, Mumbai	18-19 December 2016
11.	Computer Vision and Pattern Recognition	SGGSIE&T	13-23 July 2016
12.	Big Data Analytics	SGGSIE&T	20-25 June 2016
13.	MATLAB in Research and Data Analytics	SGGSIE&T	2-7 May 2016
14.	Sensor Design and Implementation	SGGSIE&T	3-5 March 2016
15.	Fundamentals and Advances in Artificial Neural Networks	SGGSIE&T	9-13 June 2014
16.	Artificial Neural Networks	SGGSIE&T	12-18 November 2013
17.	Emerging Trends in Nanoscience and nanotechnology	SGGSIE&T	6-10 August 2013
18.	Security Challenges in Computer Science	SGGSIE&T	24-28 June 2013
19.	Database Management Systems	IIT Bombay	21-31 May 2013 (2 weeks)
20.	Wireless Sensors and Their Applications	SGGSIE&T, Nanded	18-22 March 2013 (1 week)
21.	Research Methodology: Tools and Techniques	SGGSIE&T, Nanded	11-15 March 2013 (1 week)
22.	Linear Algebra and its Applications	SGGSIE&T, Nanded	21 May – 2 June 2012 (2 weeks)
23.	Recent Advances in Speech, Image and Video Processing	SGGSIE&T, Nanded	12-23 December 2011 (2 weeks)
24.	Effective Research Methodology	SGGSIE&T, Nanded	23 January 2010 (1 day)
25.	Mission 10X	Dale Carnegie, SGGSIE&T	30 November-4 December 2009 (1 week)
26.	Computer Networking: Concepts to Recent Trends	SGGSIE&T, Nanded	25-29 May 2009
27.	Induction Training Programme on Teaching-Learning Strategies	SGGSIE&T, Nanded	25-27 March 2007
28.	Intellectual Property Rights	SGGSIE&T, Nanded	13-14 August 2006 (2 days)
29.	Red Hat Linux Refresher Program	SGGSIE&T, Nanded	28 June - 1 July 2006

30.	Red Hat Linux System Administration and Networking	SGGSIE&T, Nanded	12-24 January 2006 (2 weeks)
31.	New Concepts, Methods and Advanced Techniques in Speech Processing, Image Processing and Pattern Recognition	SGGSIE&T, Nanded	15-26 May 2006 (2 weeks)
32.	Programming Paradigms: Verification Perspective	SGGSIE&T, Nanded	8-20 December 2004 (2 weeks)
33.	Distributed Systems through Distance Education program	IIT Bombay	January-May 2003 (weekly 6 hrs)
34.	Mobilization of Financial Resources in Technical Institutes by Industry Institute Interaction	MGMCE Nanded	7-18 January 2002 (2 weeks)
35.	Active Server Pages	NIIT, CATS, Pune	6-22 June 2001

Membership Details

Sr. No.	Details
1	IEEE Member
2	Lifetime member of ISTE

Administrative Experience / Responsibilities Shouldered (at SGGSIE&T Nanded)

Sr. No.	Responsibility	From	To
1	Worked as MIS incharge at institute level from august 2009 to May 2013	August 2009	May 2013
2	Member in Vishakha Committee for Women		
3	Faculty coordinator Zenith 2018- state level sports extravangza	2017	2018
4	Worked as Officer during admission process of FY engineering and Direct SY admission during year 2012-13		

5	Member in equity action unit of TEQIP-II		
6	Worked as committee member during 2012-13 NBA visit at department level and institute level		
7	Member in Charge of Branch Committee from 2014		
8	Canteen Committee member from 2012-2015		
9	Worked for Conference in Jan 2014		
10	NBA Coordinator (Worked as a NBA Core Committee Member) in 2010		
11	Departmental Time Table In charge during 2005-06 and 2006-07	2005	2007
12	Worked as Examination co-ordinator at institute level during academic year 2012-13, 2015-16 Semester 1		
13	Worked as main finance co-ordinator in Pragyaa-2013		
14	Worked as faculty co-ordinator in various committees in Pragyaa		
15	Worked for Conference in Jan 2014		
16	Departmental PG and PHD coordinator	2017	Till date
17	Working as a Nodal Officer for procurement committee of RUSA		
18	Worked as faculty coordinator for various committees in Utsav		
19	Worked as a NAAC Committee member		
20	Departmental training and placement officer		

Other Activities/Responsibilities

1. Examiner in DIPEX 2019
2. Jury member in Student Paper Presentation Competition held at Indira Institute of Technology, Nanded in Sept. 2013
3. Jury member in VISIOTech-2012 – a state level Student Paper Presentation Competition held at MGM's College of Engineering, Nanded in 2012

4. Invited as examiner in Nagarjuna Public School Nanded for Young Chanakya scholarship examination-2016
5. Organized poster competitions on various topics of Computer Science and Programming for SGGGS students

Research Area of Interest

1. Artificial Neural Network
2. Pattern Classification
3. Compilers and Interpreters, etc