

Dr. Mrs. Jaishri Mahesh Waghmare

Dean (Innovation, Incubation and Linkages) and Associate Professor

Department of Computer Science and Engineering

Former Head, CSE Department

SGGS College of Engineering and Technology

Nanded (Maharashtra State)

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Brief Biography:

Dr. Mrs. Jaishri Mahesh Waghmare is working as Associate Professor in CSE department, SGGS Institute of Engineering and Technology, Nanded. Presently she is Dean (Innovation, Incubation and Linkages).

She has teaching experience of 21+ years which includes 11 years of PG teaching.

• **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	Python Programming	UG
10	Advanced Operating Systems	PG

• **Qualification Details:**

Sr No	Degree / Branch	Institute / University	Duration	CGPA / Percentage / Grade
1	SSC	Pratibha Niketan High School, Nanded (MS)	1993-1994	84.13
2	HSC	Yashwant Mahavidyalaya, Nanded (MS)	1995-1996	77.33

3	B.E. (Computer Science & Engineering)	MGM's College of Engineering, Nanded (MS)	1996-2000	72
4	M.Tech. (Computer Science & Engineering)	IIT Bombay, Mumbai	2007-2009	8.95
5	Ph.D.	SRTMU, Nanded (MS)	Oct:2013-	NA
			Feb:2018	

M.Tech. Dissertation Title: *iburg* Based Code Generation in GCC supervised by Prof. Uday P. Khedker, CSE Department, IIT Bombay.

Ph.D. Title: New Methods for Extraction of Classification Rules Using Soft Computing Tools supervised by Prof. Uday V. Kulkarni, CSE Department, SGS Institute of Engineering and Technology, Nanded.

• **Experience:**

Sr No	Post Held	Period	College / Institute	Duration	Subjects Taught
1	Lecturer	2000-8-20 to 2001-01-17	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 2013-07-05	SGGSIE&T, Nanded	3 years	Digital System Design, Compiler Design and Optimization, Data Structures, Advanced Operating Systems, Data and Network Security

5	Associate Professor	2013-07-06 to tilldate	SGGSIE&T, Nanded	8.5 years	Digital System Design, Compiler Design and Optimization, Data Structures, Database System Design, Advanced Operating Systems, Python Programming
6	Head of Department	September 21 August 23	SGGSIE&T, Nanded	2 years	
7	Dean (Innovation, Incubation and Linkages)	October 23-till date	SGGSIE&T, Nanded	1 year	

- **Patents: 4 patents**

- **Utility Patent:**

- **Title : A medicine and general use bottle with internal spoon attached to cap of the bottle**
 - **Application number : 202221008800**
 - **Publication date : 11/03/2022**
 - **Status : Published**

- **Design patent**

- **Title : Electric balanced scooter**
 - **Design number : 352548-001**
 - **Date of registration : 02/11/2021**
 - **Status : Granted**

- **Master Thesis Guided: Awarded:14**

Sr. No.	AY	Name of Student	Title of Dissertation
1	2012-13	Vaishali Malekar	Protection against Web Application Vulnerabilities on Session Data
2	2012-13	Dhaval Deolasi	Adaptive Cell Relay Routing Protocol in MANETs
3	2013-14	Ankush Sawarkar	Global GAP Certification Service using mKRISHI Platform

4	2013-14	Amit Bhosale	Efficient data collection in Wireless Sensor Network using Spatial Correlation Mechanism
5	2015-16	Nikhil Bhopale	Energy routing protocol with power utilization optimization in MANET
6	2015-16	Zeeshan A. Qazi	An Unlinkable and Unobservable secure routing protocol for MANET
7	2016-17	Neha Donglikar	An Enhanced General Fuzzy Min-Max Neural Network
8	2017-18	Rushali R. Gurav	Pattern Classification By Using Multi-Level Fuzzy Min Max Neural Network
9	2017-18	Shivali S. Velhal	Modified Fuzzy Min-Max Neural Network
10	2018-19	Manisha H Gajele	Vehicle Logo Recognition Using Convolutional Neural Network
11	2018-19	Ketki Patwari	Text Detection From Natural Images Using Noise Reducing MSER Algorithm
12	2020-21	Mayuri Chitmogrekar	Malware detection using deep learning
13	2020-21	Divya Kalyankar	A Single Sign on Based Secure Remote User Authentication Scheme for Multi-Server Environments
14	2021-22	Pallavi Waghmare	Medical image security using visual cryptography

- **Books Published**

Sr No	Title of the Book	Publisher	ISBN	Date
1	Computer Organization and Architecture	InSc International Publishers	978-1-68576-311-4	2022

- **International Journal papers: 9**

Sr. No.	Details	Academic Year
1	Pranjala G Kolapwar, Uday V Kulkarni, Jaishri M Waghmare, Sector-based pairs trading strategy with novel pair selection technique, IEEE Transactions on Artificial Intelligence, July-2024	2024-25
2	J. M. Waghmare and Mayuri Chitmogrekar, A Review on Malware Detection Methods, <i>sms</i> , Vol. 14, no. 1, pp. 38-43, Mar. 2022	2021-22
3	J. M. Waghmare and Divya Kalyankar, A Review on Single Sign on Based Secure User Authentication Scheme and Technologies, IJCSIT, vol. 13, no.1, pp. 1-5, JanFeb 2022	2021-22
4	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
5	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
6	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
7	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
8	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, pp 141-144, Jan-	2012-2013

Sr. No.	Details	Academic Year
	Feb 2013.	
9	Vaishali Malekar, J M Waghmare, A Survey on Web Application Security by Integrating Static and Dynamic Analysis Techniques, <i>International Journal of Mobile & Adhoc Network</i> , Vol.3, Issue 2, pp 141-144, pp 108-114, May 2013.	2012-2013

- **National/International Conference Papers : 6**

Sr. No.	Details	Academic Year
1	P. R. Waghmare, and J. M. Waghmare, "A method of medical image security using visual-cryptography techniques," in <i>IEEE 6th International Conference on Computing, Communication, Control and Automation (ICCUBEA)</i> , Pune, 26-27 August 2022, pp. 1-6.	2022-23
2	J. M. Waghmare and U. V. Kulkarni, Unbounded Recurrent Fuzzy Min-Max Neural Network for Pattern Classification, in <i>International Joint Conference on neural Networks</i> , 14-19-July 2019, Budapest, Hungary	2019-20
3	Neha V. Donglikar, Jaishri M. Waghmare,"An Enhanced General Fuzzy Min Max Neural Network for Classification," in <i>International Conference on ICICCS, Madurai, 15-17 June 2017.</i>	2017-18
4	Nikhil Bhople, Jaishri M. Waghmare ,"Energy routing protocol with power utilization optimization in MANET," in <i>IEEE International Conference on Recent Trends in Electronics Information Communication Technology, May 20-21 2016, India.</i>	2015-16
5	Ankush Sawarkar, J. M. Waghmare , "Query Processing and Query optimization in Distributed Database: A Survey," in <i>International Conference on Computer Science, Electronics and Communication Engineering- ICCECE, 27 April, 2014, Pune.</i>	2013-2014
6	J. M. Waghmare and Manisha Mahindrakar, Performance evaluation of Blowfish algorithm based on avalanche effect, in <i>National conference on cyber security, 78 June 2012, DIAT, Pune</i>	2012-13

- Book Chapters Published in Edited Books:

Sr No	Title of Chapter	Title of Edited Book	Publisher	ISBN	Date
1	Fetal Electrocardiogram Extraction using Adaptive Filters Approach	Disruptive Developments in Biomedical Applications	CRC Press & Taylor Francis Group	978-1-03222470-1	2022
2	Security of medical image information by cryptography and watermarking using python	Applied AI: A biomedical perspective	CRC Press & Taylor Francis Group	978-1-032-34914-5 (hbk)	2024

- Expert Talks Delivered / Training Sessions Conducted/Judging Events as Resource Person

Sr No	Topic of Expert Talk	Title of STTP / FDP	Venue	Expert Talk Dates
1	Pointers and lists	Course on Programming in C	SGGSIE&T, Nanded	2012-12-15

2	AVL trees	Expert Lecture	Indira Institute of Technology (Polytechnic)	2014-02-16
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
4	Webinar on hands-on Session on LATEX	Expert Lecture	AIT, Pune	10-03-2021 (2 Hrs)
5	Paper Persentation Competition in 13 th TechnoVISION	Judge	Tecnia Institute of Advanced Stud-ies	25-02-2022 (2 Hrs)
6	13 th techno-vision	Resource Person	Tecnia Institute of Advanced Stud-ies	25-02-2022 (2 Hrs)
7	Fuzzy Neural Network and Applications	Online FDP on AI, ML and Network Security	Tecnia Institute of Advanced Stud-ies	08-05-2022 (2 Hrs)

- National Training Programs Attended

Sr No	Title	Venue	Duration
1	ATAL FDP on Data Science	(Online)	27-31 Dec 2021 (5 Days)
2	ATAL FDP on Recent trends and advancements in ANN and deep learning for Real Time Applications	Online	20-24 Dec 2021 (5 Days)
3	ATAL FDP on AI and ML for healthcare	Online	13-17 Dec 2021 (5 Days)
4	ATAL FDP on Bio-inspired algorithms and optimization techniques for emerging research areas in computer applications	Netaji Subhas University of Technology (Online)	06-10 Dec 2021 (5 Days)
5	Emerging Paradigms in Artificial Intelligence and Data Science	VIT, Pune (Online)	16-20 Aug 2021 (5 Days)
6	Women Mental Health- Workplace Mental Health and Wellbeing	Bhilai Institute of Technology, Raipur (Online)	24 Mar 2021 (1 Day)

7	Ideation and innovation management process in enterprise creation	JSPM's ICER, Pune (Online)	26 Oct 2020
8	Startup canvas: 9 steps to startup success	Pimpri Chinchwad CoE, Pune (Online)	08 Aug 2020 (1 Day)
9	Inculcating universal human values in technical education	AICTE (Online)	28-01 August 2020 (5 Days)
10	IPR : Engineer's perspective	Deogiri Institute of Engineering and Management Studies, Aurangabad (Online)	27 Jul 2020 (1 Day)
11	Soft computing	Government College of Engineering, Karad (Online)	9-10 Jul 2020 (2 days)
12	Virtual laboratory: importance and applications	IIT Bombay and MIT, Aurangabad (Online)	29 Jun 2020 (1 day)
13	Open source LMS: modular objectoriented dynamic learning environment (MOODLE)	AMU, Aligarh (Online)	16-20 June 2020 (5 Days)
14	Research oriented FDP on Advanced Computing Techniques	LBR CoE, Mylavaram (AP) Online	22-25 June 2020 (4 Days)
15	The joy of computing using Python	NPTEL	Jan-Apr 2020 (Semester-wide)
16	ICT tools for effective teaching learning	SRTM University (Online)	27-02 May 2020
17	Deep learning: concepts and applications	SGGSIE&T	16-21 Dec 2019 (6 Days)
18	IEEE WIE International Leadership Summit	Bangalore	30-31 August 2019 (2 days)
19	Machine Learning and Applications	SGGSIE&T	21-25 January 2019 (5 days)
20	Academic Leadership Development Programme	IIT Mumbai	3-5 January 2019 (3 Days)
21	Cyber Security	SGGSIE&T	6-10 March 2018
22	Essentials of Neural Networks and Fuzzy Logic	SGGSIE&T	18-22 December 2017
23	Soft Computing Techniques and Applications	Bansthali Vidyapeeth, Rajsthan	23-28 December 2018

24	Design and Development of Small Satellite	SGGSIE&T	24-29 March 2017
25	Machine Learning and High Performance Computing	SGGSIE&T	9-10 march 2017
26	Unified Payment Interface(UPI):Cashless Mode of Payment	SGGSIE&T	31 December 2016
27	High Impact Presentations	Dale Carnegie	18-19 December 2016

		Training Centre, Mumbai	
28	Computer Vision and Pattern Recognition	SGGSIE&T	13-23 July 2016
29	Big Data Analytics	SGGSIE&T	20-25 June 2016
30	MATLAB in Research and Data Analytics	SGGSIE&T	2-7 May 2016
31	Sensor Design and Implementation	SGGSIE&T	3-5 March 2016
32	<i>Fundamentals and Advances in Artificial Neural Networks</i>	SGGSIE&T	9-13 June 2014
33	Artificial Neural Networks	SGGSIE&T	12-18 November 2013
34	Emerging Trends in Nanoscience and nanotechnology	SGGSIE&T	6-10 August 2013
35	Security Challenges in Computer Science	SGGSIE&T	24-28 June 2013
36	Database Management Systems	IIT Bombay	21-31 May 2013 (2 weeks)
37	Wireless Sensors and Their Applications	SGGSIE&T, Nanded	18-22 March 2013 (1 week)
38	Research Methodology: Tools and Techniques	SGGSIE&T, Nanded	11-15 March 2013 (1 week)
39	Linear Algebra and its Applications	SGGSIE&T, Nanded	21 May – 2 June 2012 (2 weeks)
40	Recent Advances in Speech, Image and Video Processing	SGGSIE&T, Nanded	12-23 December 2011 (2 weeks)
41	Effective Research Methodology	SGGSIE&T, Nanded	23 January 2010 (1 day)
42	Mission 10X	Dale Carnegie, SGGSIE&T	30 November-4 December 2009 (1 week)
43	Computer Networking: Concepts to Recent Trends	SGGSIE&T, Nanded	25-29 May 2009

44	Induction Training Programme on Teaching-Learning Strategies	SGGSIE&T, Nanded	25-27 March 2007
45	Intellectual Property Rights	SGGSIE&T, Nanded	13-14 August 2006 (2 days)
46	Red Hat Linux Refresher Program	SGGSIE&T, Nanded	28 June - 1 July 2006
47	Red Hat Linux System Administration and Networking	SGGSIE&T, Nanded	12-24 January 2006 (2 weeks)
48	New Concepts, Methods and Advanced Techniques in Speech Processing, Image Processing and Pattern Recognition	SGGSIE&T, Nanded	15-26 May 2006 (2 weeks)
49	Programming Paradigms: Verification Perspective	SGGSIE&T, Nanded	8-20 December 2004 (2 weeks)
50	Distributed Systems through Distance Education program	IIT Bombay	January-May 2003 (weekly 6 hrs)
51	Mobilization of Financial Resources in Technical Institutes by Industry Institute Interaction	MGMCE Nanded	7-18 January 2002 (2 weeks)
52	Active Server Pages	NIIT, CATS, Pune	6-22 June 2001

- International Training Programs Attended:

Sr No	Title	Venue	Duration
1	Emerging trends in industry 4.0	Rajarshi Shahu College of Engineering, Pune (Online)	18-29 May 2020

- Membership Details

Sr No	Details
1	IEEE Member
2	Lifetime member of ISTE
3	IAENG member

- 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	2016	Till date
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	2012-13	2012-13
5	Member in equity action unit of TEQIP-II	2012	2014
6	Worked as college committee member for NBA committee visit during 2012-13 at department and institute level	2012-13	2012-13
7	Member in Change of Branch Committee	2014	2017
8	Canteen Committee member from 2012-2015	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 Praggya-2013	--	--
14	Worked as faculty co-ordinator in various committees in Pragyyaa	--	--
15	Departmental PG and PHD coordinator	2017	Till date
16	Working as a Nodal Officer for procurement committee of RUSA	2018	Till date
17	Worked as faculty coordinator for various committees in Utsav	--	--
18	Worked as a NAAC Committee member	--	--
19	Departmental training and placement officer	2018	Till date

20	Institute Podcast team	2021	Till date
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The above given all information is true to the best of my knowledge.

Name: Dr. Mrs. Jaishri M. Waghmare

Place: Nanded