



Dept. of Information Technology
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Dr. Arati Kishanrao Manjramkar

Assistant Professor

1. Academic Record:

Degree	Institute/ University	Division/ Equivalent	Academic Year	Field of Specialization
Ph.D.	Swami Ramanand Teerth Marathwada University Nanded, INDIA	--	May-2018	Retinal Image Analysis
M.E	Government College of Engineering, Aurangabad, Maharashtra, INDIA	First Division (68.53%)	May 2006	Computer Science & Engineering
B.E.	Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra, INDIA	First Division with Distinction (74.75%)	May 1999	Computer Science & Engineering

2. Professional Appointments/Employment:

University/Institute	Designation	Period		Teaching/Research / industry Experience
		From	To	
S.G.G.S. College of Engg. and Tech Nanded	Lecturer/Assistant Professor	1 July 2004	Till date	15+ years
JNEC Aurangabad	Lecturer	13 Aug 2003	1 July 2004	0.11 Years
TPICIT Aurangabad	Lecturer	1 Oct 2000	12 nd Aug 2003	2.10 Years

3. Membership of Scientific and Professional Societies:

- Life Member of The Institution of Engineering and Technology (IET) (No.1100329890)
- Life Member of Computer Society of India (CSI) (No. 00095259)

4. No. of Projects Guided (Academic):

M. Tech: 19+
B. Tech : 30+

5. Teaching Areas/ Courses Prepared To Teach:

At undergraduate level:

Operating System
Pattern Recognition
Mobile and Wireless Communications
Compiler Construction

At Post-graduate level:

Applied Algorithms
Image Processing & Computer Vision
Advanced Data Structures

6. Research Publications: 14+

International Journals : 04

1. **Manjaramkar** and M. Kokare, "Statistical geometrical features for microaneurysm detection," *Journal of Digital Imaging (JDIM)*, pp.1–11, 2017.
2. **Manjaramkar** and M. Kokare. "Connected Component Clustering Based Hemorrhage Detection in Color Fundus Images." *International Journal of Intelligent Engineering and Systems*, Vol.11, No.2, 2018. DOI: 10.22266/ijies2018.0430.16.
3. Atul M. Shegokar, **Arati K. Manjaramkar**, A Survey on SQL Injection Attack, Detection And Prevention Techniques,(IJCSIT) *International Journal of Computer Science and Information Technologies*, Vol. 5 (2) , 2553-2555, ISSN:0975-9646, 2014.
4. Shivashankar J. Bhutekar , **Arati K. Manjaramkar**, (IJCSIT) *International Journal of Computer Science and Information Technologies*, Vol. 5 (2) , 2013-2018 Parallel face Detection and Recognition on GPU ISSN:0975-9646, 2014.

International conference: 07

1. **Manjaramkar** and M. Kokare, "Decision trees for microaneurysms detection in color fundus images," *2017 International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT)*, Coimbatore, 2017, pp. 1-4. doi: 10.1109/IGEHT.2017.8094054.
2. **Manjaramkar** and R.Lokhande, "DEPTA: An efficient technique for web data extraction and alignment," *2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)*, Jaipur, 2016, pp. 2307-2310. doi: 10.1109/ICACCI.2016.7732397.
3. **Manjaramkar** and M. Kokare. "Connected Component Clustering Based Hemorrhage Detection in Color Fundus Images". Intl. Conf on Advances in Science, Engineering, Technology and Natural Recourses (ICASETNR-17), Bangkok, 2017. ISBN 978-81-934174-0-9.

4. Umesh S. Bhoskar, **Arati Manjaramkar**, “Generalized Classification Rules for Entity Identification”, 2016 International conference on Reliability, Infocom Technologies and Optimization (ICRITO), IEEE, 2016
5. Pradeep R Dumne, **Arati Manjaramkar**, “Cooperative Bait Detection Scheme to prevent Collaborative Blackhole or Grayhole Attacks by Malicious Nodes in MANETs”, 2016 International conference on Reliability, Infocom Technologies and Optimization (ICRITO), IEEE, 2016
6. **Manjaramkar, Arati**, and Manesh Kokare. “A rule based expert system for microaneurysm detection in digital fundus images.” 2016 International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT). IEEE, 2016.
7. **Arati K. Manjaramkar**, International Conference organized by IEEE bombay section, IEEE Computer society on Science, Engineering and Spirituality at S.E.S. College of Engineering, Navalnagar, Dhule held on 01/04/2010 and 02/04/2010 Paper entitled “Improving System capacity of 802.16 using Adaptive Modulation & Coding depending on Channel SNR”

National conference: 03

1. **Arati K. Manjaramkar**, TSyGECA – 06 (Technical Synopsis Govt. Engg. College, Aurangabad) held on 23-01-2006 and 24-01-2006 “Wireless- Fidelity.”
2. Sunil kale, **Arati K. Manjaramkar**, TEQIP-II sponsored national conference on Advances in Computing, Networking and security (NCACNA-13), “3D password: Minimal Utilization of space and vast security coupled with virtual environment for more secure Authentication”, December 2012.
3. Abhay jadhav, **Arati K. Manjaramkar**, TEQIP-II sponsored national conference on Advances in Computing, Networking and security (NCACNA-13), “ Novel Method to Recognize Devnagari Character Using XOR-NN”, December 2012.

Books / Proceedings (01)

Proceedings of the National Conference on Advances in Computing, Networking and Security.

07. Short Term Courses/ Workshop / Conference Participation:

No	Name of STTP/ Workshop / Training	Organized By	Sponsored By	From	To
	Probability and Statistics	SGGSIE&T, Nanded	AICTE	15 th march	20 th March 2019
1	A Statistical Approach to Research	SGGSIE&T,	TEQIP-III	20 th Aug 2018	25 th Aug 2018

	Methodology	Nanded			
2	Python Programming	IITGuwahati	TEQIP	11 th Apr 2018	17 th April 2018
3	Computer Networks	SGGSIE&T Nanded	AICTE	12 th March 2018	16 th March 2018
4	Machine Learning with Python	SGGSIE&T Nanded	TEQIP-III	11 th Dec 2017	16 th Dec 2017
5	Statistical Analysis for Signal and Image Processing and Data Analysis	SGGSIE&T Nanded	TEQIP-II COE	27 th Feb 2017	4 th March 2017
6	IEEE Conference on Innovations in Green Energy and Healthcare Technologies	NGP Institute Coinbatore	--	16 th March 2018	18 th March 2018
7	High Impact Presentations	Dale Carnegie	TEQIP	Dec 2016	Dec 2016
8	IoT and Data Privacy	TCS Pune	TEQIP-III	24 th Aug 2017	24 th Aug 2017
9	Python Programming	SGGSIE&T Nanded	TEQIP-II	12 th Aug 2016	17 th Aug 2016
10	Computer Vision and Pattern Recognition	SGGSIE&T Nanded	TEQIP-II COE	13 th July 2016	23 rd July 2016
11	Data Mining Using Statistica	SGGSIE&T Nanded	TEQIP-II	5 th July 2016	10 th July 2016
12	Big Data Analytics	SGGSIE&T Nanded	TEQIP-II	20 th June 2016	25 th June 2016
13	Matlab in Research and Data Analysis	SGGSIE&T Nanded	TEQIP-II	2 nd May 2016	7 th May 2016
14	MDP : Acedamic Leadership Programme	IIM Kozhikode	SPIU	21 st Sep 2015	26 th Sept 2015
15	Multi-rate Signal Processing & Wavelets	SGGSIE&T, Nanded	AICTE	29 th Jun 2015	10 th July 2015
16	National Symposium on “Data Mining & Pattern Recognition”	School of Computational Sciences, SRTMU Nanded	SGGSIE&T	27 th Feb 2015	28 th Feb 2015
17	Mathematical Modelling, MATLAB Programming and their applications in Engineering and Sciences	MNIT, Jaipur	TEQIP-II	19 th Jan 2015	23 rd Jan 2015
18	Wavelets & its Applications	SGGSIE&T, Nanded	TEQIP-II (CoE)	8 th Dec 2014	12 th Dec 2014
19	Data Analysis for research and publication	IIT Roorkee	TEQIP-II	31 st May 2014	01 st June 2014
20	National workshop on LATEX and SAGE	SRTMU Nanded	TEQIP-II	12 th Feb 2014	18 th Feb 2014

21	Security challenges in computer Science	SGGSIE& T, Nanded.	TEQIP-II	24 th June 2013	28 th June 2013
22	National conference on Communication, Computing and Networking Technologies	SGGSIE& T, Nanded.	TEQIP-II	15 th Mar 2013	16 th Mar 2013
23	Wireless sensors and their applications.	SGGSIE& T, Nanded.	TEQIP-II	18 th Mar 2013	22 nd Mar 2013
24	Staff Development programme on Neural Network Design	Singhad College of Engg., Pune	AICTE	13 th June 2011	25 th June 2011
25	Staff Development programme on recent advances in Speech, Image & Video Processing	SGGSIE& T, Nanded.	AICTE	12 th Dec 2011	23 rd Dec 2011
26	SCILAB and its applications to Global Optimization and Fractional Differential Equations	SGGSIE& T, Nanded, in collaboration with IIT Bombay	Self	23 rd Apr 2010	25 th Apr 2010
27	International Conference on Science, Engineering & spirituality	SES College of Engi., Navalnagar	Self	1 st Apr 2010	2 nd Apr 2010
28	Effective Teaching/ Learning methods of Programming Languages	IIT Bombay, at MGM Nanded	ISTE	14th Dec 2009	24th Dec 2009
29	STTP on Recent Trends in Digital Image Processing	G.H. Rasoni College of Engg. Wagholi, Pune	ISTE	24 th Nov 2009	28 th Nov 2009
30	ISTE STTP on “Computer Networking : Concepts to recent trends”	SGGSIE& T, Nanded.	ISTE	25th May 2009	29 th May 2009
31	ISTE STTP on “Advances in Signal Processing and Soft Computing”	SGGSIE& T, Nanded.	ISTE	18 th May 2009	22 nd May 2009
32	Training program on “Pedagogical Training in Engineering Education”	SGGSIE& T, Nanded	TEQIP	6 th March 2009	7 th Mar 2009
33	Workshop on “Compiler Construction : From Practice to Theory”	COEP in association with IIT Bombay.	TEQIP	7 th Sep 2007	13 th Sep 2007
34	Induction Training Programme on Teaching- Learning strategies	SGGSIE& T, Nanded.	TEQIP	25 th March 2007	27 th Mar 2007
35	Winter School on “Digital Signal Processing : Fundamentals, Advances	SGGSIE& T, Nanded.	TEQIP	18 th Dec 2006	23 rd Dec 2006

	& Applications”				
36	Induction Program on “ New concepts ,methods and advanced techniques in Speech processing, IP and Patter Recognition”	SGGSIE& T, Nanded.	AICTE	15 th May 2006	26 th May 2006
37	One day international workshop on Development Environment and Processes	SGGSIE& T, Nanded.	TEQIP	11 th Feb 2006	11 th Feb 2006
38	National Conference TSyGECA	Govt. College of Engineering , Aurangabad	TEQIP	23 rd Jan 2006	24 th Jan 2006
39	STTP “Recent trends in Signal & Image Processing”	SGGSIE& T, Nanded.	TEQIP	16 th Jan 2006	18 th Jan 2006

09. Short Term Courses/ Workshop / Conference Conducted and Coordinated

- Expert lectures delivered at FOSSTR-2018 organized by Swami Ramanand teerth Marathwada University, Nanded.
- Organized TEQIP-II sponsored national conference on Advances in Computing, Networking and security (NCACNA-13)
- Organized One Week ISTE STTP on Computer Networking: Concepts to recent trends from 25th to 29th May 2009.
- Organized One day workshop on “Latex in Research” on 14th May 2015.
- Organized one week TEQIP-II short term training program on “Data Mining Using Statistica” from 5th July to 10th July 2016.
- Organized one week TEQIP-III sponsored short term training program on “A Statistical Approach to Research Methodology” from 20th to 25th August 2018.

10. Responsibilities Held & Extracurricular Institute Service

- a. Head of the department Information Technology from August 2019 to till date.
- b. Faculty Coordinator of National level Technical fiesta Pragyaa-2018.
- c. MTech(IT) Co-ordinator from 2015 to 2018.
- d. Coordinated Anchoring committee of UTSAV-2015
- e. Faculty Coordinator of State Level Student's Technical Event "GenIT" held in 2011, 2007, 2006, 2005.
- f. Organized and conducted One Week ISTE STTP on Computer Networking : Concepts to recent trends from 25th to 29th May 2009. In collaboration with CSE department.
- g. Working as Class Co-Ordinator of TY / B.Tech IT from last 5 years
- h. Worked as M.Tech Project coordinator 2014.
- i. Worked as Institute Central Time-Table Co-ordinator 2012, 2013.
- j. Working as Laboratory In charge (Advance Computing Lab.).
- k. Faculty Coordinator of State Level Student's Cultural Event RANG TARANG 2006.
- l. Worked as / Working as member of committees
 - Community Service Cell,

- Ladies grievances cell,
 - Sadbhavna scholarship cell 2014,2015
 - Canteen committee 2008 to 2012.
 - Alumni meet 2009, 2015.
 - Student council 2005, 2006
- m. Conducted training(s) on Computer Literacy for 9th and 10th Std. students of Vishnupuri village under Community service cell in 2005-06.
- n. Working as Institute Time Table In charge from 2013 to 2015.
- o. Worked as Co-ordinator of Examinations from 5nd June 2014 to 12th July 2014.
- p. Actively participated in course revision and restructuring of syllabus. (DUGPC member)

12. References:

1. Dr. M.B. Kokare
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