

Ms. Amrita A. Manjrekar

Co-ordinator,
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PROFILE SUMMARY

- More than **9 years** of experience of teaching in Computer Science and Engineering
- Permanent Recognition as **Post-Graduate Teacher** in the subject Computer Science and Engineering of Shivaji University, Kolhapur.
- Working as **co-ordinator, M. Tech (Computer Science and Technology)**, Department of Technology, Shivaji University, Kolhapur
- **M. Tech (Computer Science and Technology) with Distinction** from Shivaji University, 2008

WORK EXPERIENCE

Designation	From	To	Experience	Classes taught	Name & Address of the Institution
Assistant Professor	Jan 2009	Till date	6.5 years	PG M. Tech(CST) Part- I and Part-II	Department of Technology, Shivaji University, VidyaNagar, Kolhapur- 416004
				UG T. Y. B. Tech (CST), Final Year B. Tech (CST)	
Lecturer	1 st July 2004	31 st Jan 2007	3 years	T. E , B. E-Bachelor Of Engineering- UG Level	Dr. D. Y. Patil College Of Engineering & Technology, Kasaba bavada, Kolhapur- 416006

ACADEMIC DETAILS

Exam: Passed	Specialization	College / Unniversity	Year of Passing	Marks In %	Class
M. Tech	Computer Science and Tech	Shivaji University	2008	74.80	Distinction
B.E (CSE)	Computer Science and Engineering	Dr. D. Y. Patil College of Engineering & Technology	July 2004	70.93	Distinction
HSC	Science	Vivekanand College, Kolhapur	Feb 2000	88.33 (PCM- 91.33)	Distinction

AREA OF INTEREST

- Information Security, Cloud privacy and security, Visual Cryptography
- Computer Vision, Video analysis, Image Mining

RESEARCH GUIDANCE

Programs	No. of Projects Guided	
	Working	Completed
B. Tech (CST)	-	10
M. Tech (CST)	05	13

RESEARCH PUBLICATIONS

	International Journals	National Journals	Total
A) Published	5	2	7
B) In Press	-	-	
C) Accepted for Publication	-	-	-
D) Communicated	2	-	2
TOTAL	7	2	9

i) Citation Data

SCOPUS Report (Numbers Only)			Google Scholar Citation Report (Numbers only)				Researchgate.net Report	No. other Pub.
Pub.	Citations	<i>h</i> - index	Pub.	<i>h</i> - index	<i>i</i> 10- Index	Citations	Impact Points	
3	3	3	18	2	-	8	9.38	4

ii) List of Journal Publications

Sr. No	Name of Author/s	Title of the Paper	Publication Details
1.	Ms. Seema V. Wazarkar, Ms. Amrita A. Manjrekar	Text Clustering Using HFRECCA and Rough K-Means Clustering Algorithm	Discovery Journal, Volume 15, Number 40, April 8, 2014, pp 44-47 ISSN 2278-5469 EISSN 2278-5450
2.	Ms. Rukaiya A. Chaugule, Ms. Amrita A. Manjrekar	A Novel Approach for Data Hiding using Tree based Parity Check Method with Art Image	International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014 ISSN 2229-5518, pp 1371-1375
3.	Ms. Seema V. Wazarkar, Ms. Amrita A. Manjrekar	Hierarchical Fuzzy Clustering Algorithm for Clustering Text Data in Article	International Journal of Multidisciplinary Educational Research, Volume 3, Issue 3(6), March 2014, pp 142-147, ISSN: 2277-7881
4.	Ms. Amrita A. Manjrekar	A Review of Wireless Technology for Geographical Information Systems	International Journal of Current Engineering and Technology, Special Issue-I, (sept-2013)- ISSN 2277 –

			4106 ©2013 INPRESSCO., pp-180-184
5.	Deepak.A, Amrita.A.Manjrekar	Multilevel Security in Face Authentication	International Journal of Scientific & Engineering Research, Volume 4, Issue 8, August-2013 ISSN 2229-5518, pp 421-426
6.	Mr. V. M. Moruse, Ms. A. A. Manjrekar	Software Defined Network based Firewall Technique	International Journal of Computer Engineering and Technology (IJCET), ISSN 0976-6367(print), volume 4, issue 2, March-April 2013, pp-598-606
7.	Ms. Amrita A. Manjrekar, Prof. P. P. Halkarnikar	Detection & Tracking Of Moving Ball From Video Stream	Journal Of Computer Science(JCS), KarpagamCharity Trust, Coimbatore May- June 2008. Volume-2,690-695

CONFERENCES ATTENDED

	International Conferences	National Conferences	Total
A) Published	16	11	27
B) Accepted for Publication	-	-	-
C) Communicated	02	-	02
TOTAL	18	11	29

INTERNATIONAL CONFERENCES

Sr. No	Name of Author/s	Title of Paper	Name of symposia / conference
1.	Ms. Seema V. Wazarkar, Ms. Amrita A. Manjrekar	HFRECCA For Clustering Of Text Data From Travel Guide Articles	ICACCI, 2014 International Conference on Advances in Computing, Communications and Informatics, 24-27 Sept. 2014 , New Delhi, India, 978-1-4799-3078-4, pp 1486 – 1489, IEEE
2.	Minal Swami, Ms. A. A. Manjrekar	Image Zooming with Edge Sharpening Technique	Proceedings of 6th SARC-IRF International Conference, 06th July-2014, New Delhi, India, ISBN: 978-93-84209-35-3, pp 12-16
3.	Minal Swami, Ms. A. A. Manjrekar	Image Enlargement using Error Amender Technique for True Gray Scale Image	Proc. of International Conference on Electronics and Telecommunication, Electrical and Computer Engineering (Technovision-2014), Sinhadag Institute of Technology and Science, April 3-6, 2014
4.	Mr. P. N. Shinde, Ms. A. A. Manjrekar	Retrieval of Efficiently Classified Re-ranked images using histogram based score computation algorithm extended with Elimination	In proceeding of: International Conference on Convergence of Technology (I2CT), At Pune, India, Volume: ISBN-Proceedings : 978-1-4799-3759-2/14 IEEE Conference Record #33458,
5.	Mr. P. N. Shinde, Ms. A. A. Manjrekar	Efficient Classification of Images using Histogram Based Average Distance Computation Algorithm Extended with Duplicate Image Detection	Proc: 2013 Advances in Engineering and Technology published by Elsevier, ISBN: 978-93-5107-193-8, pp 102-110

6.	Manali K. Patil, Ms. A. A. Manjrekar	Recommender Systems Using Item Sequences and Ranking Mechanisms	Proc. of Third International Conference on Computational Intelligence and Information Technology – CIIT 2013 published by Elsevier, Oct 18-19, 2013, pp 211-216
7.	Marium M. Merchant, Ms. A. A. Manjrekar	Text Mining Technique to Extract relevant information from Corpus based on User Input	Proc. of Third International Conference on Computational Intelligence and Information Technology – CIIT 2013, Oct 18-19, 2013, pp 217-220
8.	Vaibhav T. Patil, Ms. A. A. Manjrekar	A Novel Approach for Monitoring SQL Anti-Forensic Attacks Using Pattern Matching for Digital Forensic Investigation	International Symposium, SSCC 2013 Mysore, India, August 22-24, 2013 Proceedings, Sabu M. Thampi et al. (Eds.): SSCC 2013, CCIS 377, pp. 162–167, 2013. © Springer-Verlag Berlin Heidelberg 2013, Sri Jayachamarajendra College of Engineering, Mysore
9.	Deepak Aeloor , Ms. A. A. Manjrekar	Securing Biometric Data with Visual Cryptography and Steganography	International Symposium, SSCC 2013 Mysore, India, August 22-24, 2013 Proceedings, Sabu M. Thampi et al. (Eds.): SSCC 2013, CCIS 377, pp. 330-340, 2013. © Springer-Verlag Berlin Heidelberg 2013
10.	Mr. V. T. Patil, Ms. A. A. Manjrekar	SQL Anti-forensic Attack Monitoring System using Pattern Matching for Digital Forensic Investigation	Proceedings of International Conference on Emerging Trends in engineering (ICETE-2013), ISBN: 978-93-82880-29-5, NMAM Institute of Technology, Nitte, Karnataka, India, May 15-16 2013
11.	Mr. V. M. Moruse, Ms. A. A. Manjrekar	Enforcement of Policy Rules in Software Defined Network using Openflow	Proceedings of International Conference on Technical and Innovative Advancement in Computing and Communication Engineering (TIACCE-2013), ISBN: 81-89278-18-5, pp 186-188, Department of Computer Science and Engineering & IT, MEC, Bikaner, 13 April 2013
12.	Mr. Deepak A. , Ms. A. A. Manjrekar	Privacy Protection in Facial Biometric System	Proceedings of International Conference on Technical and Innovative Advancement in Computing and Communication Engineering (TIACCE-2013), ISBN: 81-89278-18-5, pp 169-172, Department of Computer Science and Engineering & IT, MEC, Bikaner
13.	Ms. A. A. Manjrekar	Motivation and Techniques for Green Computing”	International Conference on GreenTech-2010, Bangkok, Jan 2010
14.	Ms. A. A. Manjrekar , Ms. R. Y. Mulla	DCT based Iris Recognition System	International Conference GIT-2010, Sinhagad Institute of Management
15.	Ms. A. A. Manjrekar , Prof. P. P. Halkarnikar	Detection and Tracking of Moving Object from Video Stream	International Conference On Emerging Techniques in Computing, Electronics, Embedded System & VLSI Design (ICEVD-2008), Ahmednagar (20- 21 st March 2008).

16.	Ms. A. A. Manjrekar , Prof. P. P. Halkarnikar	Effect of Input Data Vector Size on the Reliability of Character Recognition Using Neural Network	International Conference on Data Management, Institute of Management Technology(IMT), Ghaziabad, 25 th and 26 th Feb Jan 2008
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NATIONAL CONFERENCES

Sr. No	Name of Author/s	Title of Paper	Name of symposia / conference
1.	Mr. P. N. Shinde, Ms. A. A. Manjrekar	“An efficient Re-Ranking of categorized and duplicate Image detection”	National symposium on “Pervasive Computing” organized by Department of Electronics and Telecommunication Engineering, under Technical Education Quality Improvement Program (TEQIP-II), Sinhgad College of Engineering, Pune, 15-16 th March 2013
2.	Ms. A. A. Manjrekar, Ms. R. V. Mane	“A Review of Recent Trends in Technology for Quality Education”	Interdisciplinary National Conference on “Information and Communication Technology for Education” (ICTE-2013), 4-5 th March, 2013, Jointly Organized by DEPARTMENT OF EDUCATION & DEPARTMENT OF ELECTRONICS, Shivaji University, Kolhapur, Maharashtra
3.	Ms. M. K. Patil, Ms. A. A. Manjrekar	“ Improving Quality of Recommendation by Providing Items Sequences and Ranking Mechanism”	“National Conference on Emerging Technologies for Sustainable Development” (NCET-2012), organized by Department of Technology, Shivaji University, Kolhapur, 27 th , 28 th Dec 2012
4.	Ms. A. A. Manjrekar Ms. R. V. Mane	“Implication of Image Processing in GIS and Remote Sensing”	National Conference on Recent Advancement in Engineering, June 2012, Sanjeevan Engineering and Technology Institute, Panhala
5.	Ms. A. A. Manjrekar Ms. R. V. Mane	“Data Mining Techniques in Cloud Computing Environment”	National Conference on Recent Advancement in Engineering June 2012 , Sanjeevan Engineering and Technology Institute, Panhala
6.	Ms. A. A. Manjrekar Ms. R. V. Mane	“Wireless Technology for Geographical Information System”	National Conference Sabbatical -11 on Computer Science, 26 th March 2011, Bharatratna Indira Gandhi College of Engineering, Solapur
7.	Ms. A. A. Manjrekar Ms. R. V. Mane	“Sequential Pattern Mining Algorithm”	National Conference Sabbatical -11 on Computer Science, 26 th March 2011, Bharatratna Indira Gandhi College of Engineering, Solapur

8.	Ms. A. A. Manjrekar Prof. P. P. Halkarnikar	“Tracking of Moving Object from Video Stream”	National Conference On Recent Trends in Computer Engineering (RTCE-2008) 18 th to 20 th Feb 2008, Sinhgad College of Engineering, Pune
9.	Ms. A. A. Manjrekar Prof. P. P. Halkarnikar	“Tracking of Moving Ball from Video Stream”	National Conference On Computing, Communication Electronica, Jalgoan. 7 th & 8 th Feb 2008
10.	Ms. A. A. Manjrekar Prof. P. P. Halkarnikar	“Data Warehousing - For Better Business Decisions”	National Conference On Communication, Information Technology & Automation, Thane, 2008
11.	Ms. A. A. Manjrekar Prof. P. P. Halkarnikar	“Detection and Tracking of Moving Object from Video Stream”	National Conference On Communication, Information Technology & Automation, Thane, 17 th January 2008

RESEARCH PROJECT WORK

Sr. No.	Title of Project	Name of PI	Funding agency	Cost Rs.	Duration (Year)	Status
1.	HFRECCA for clustering of text data and its comparative study with rough k-means clustering algorithm	Ms. A. A. Manjrekar	TEQIP	2,80,000	2	working

WORKSHOP ATTENDED

1. Attended a one-week ISTE workshop for co-ordinators on “**Cyber Security**”, conducted under the National Mission on Education through ICT by MHRD, at Department of Computer Science and Engineering, IIT Bombay during 17th -21st May 2014
2. Successfully completed the “**General Orientation Programme**” conducted at the UGC- Academic Staff College, University of Pune, Pune from 15th Jan 2014 to 11th Feb 2014 under UGC scheme and has been awarded the ‘A’ grade.
3. Participated in three day International Interactive Workshop on “**Effective Academia Leadership Strategies-a global perspective**”, on 12-14th Dec 2013 at **SEGi University, Kuala Lumpur, Malaysia**.
4. Participated in a **Two-week ISTE workshop** on “**Database Management Systems**”, conducted by Indian Institute of Technology Bombay from 21st to 31st May 2013
5. Participated in the academic and interaction sessions during “**5th Science Conclave Program**”, A congregation of Nobel Laureates and Eminent Scientist. An MHRD- DST initiative at IIIT-A during December 08-14, 2012
6. Participated in the workshop on “**A Brain- Storming Session for Application of Technology for Sustainable Development in the State of Maharashtra**”, organized by Maharashtra Academy of Science, Shivaji University, Kolhapur, sponsored by Rajiv Gandhi Science and Technology Commission (RGSTC), 26th and 27th November 2012

7. **10 days ISTE WORKSHOP on “ Introduction to Research Methodology”**, conducted by Indian Institute of Technology Bombay, 26th June to 4th July 2012
8. Two Days National Workshop on **“Research Methodology and Quantitative Techniques”** conducted by Department of Commerce and Management, Shivaji University, Kolhapur on 10th and 11th Dec 2010
9. One Day Workshop on **“Research in Information System and Computing”** organized by Department of Computer Science, Shivaji University, Kolhapur, on 1st Oct 2008

ACHIEVEMENTS

- **1st prize** in **National Level Project Competition** VISION2K4, Walchand College of Engineering, Sangli , 2004
- **2nd prize** in **National Level Project Competition** Kalp04, GEC- 2004, Goa.
- **3rd prize** in State Level Project Competition Tarang03, Karad.
- Stood **2nd** in College in B.E (CSE) Exam.
- **Silver Bronze** Medal in Kolhapur District Philatelic Exhibition (KOLPEX-2003)

EXTRACURRICULAR ACTIVITIES

- Working as **coordinator** of **“Computer Science and Technology”**, Department of Technology, Shivaji University, Kolhapur, Maharashtra.
- Worked as **TPC member and reviewer** for the **International Conference on Advances in Computing, Communications and Informatics (ICACCI-2014)**, 24-27 Sept. 2014 , New Delhi, India
- Worked as **Chairman** of **“Oral Presentation Committee”** for “National Conference on Emerging Technologies for Sustainable Development” (**NCET-2012**), organized by Department of Technology, Shivaji University.
- Worked as **Resource Person** for seminar on **“Cloud Computing”**, for MCA-III students at Department of Computer Studies, SIBER, Kolhapur.
- Worked as **Session Chair** for INSPIRE-2012, Science camp, sponsored by Department of Science and Technology, Govt. of India, organized by Department of Technology, Shivaji University, Kolhapur

MEMBERSHIP OF PROFESSIONAL BODIES

- Professional Member of Association of Computing Machinery (ACM), Member number- 7311770
- Member of International Association of Computer Science and Information Technology (IACSIT), Singapore. Member No- 8034561
- Life member of Indian Society for Technical Education (ISTE), Member No- LM 90080
- Life member of Computer Society of India (CSI), Member No- 01122982
- Associate Member of The Institute of Engineers, India (IEI). Membership No- AM-149146-9