

BIODATA

[A].General Information:

Full Name : Dr. M. S. Shirdhonkar
Designation : Professor
Sex : Male
Date of Birth : 1/6/1969
Nationality : Indian
Office address : Department of Computer Science and Engineering, BLDEA's,
Dr. P. G. H. College of Engineering and Technology, Bijapur,
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Pin.- 586103, Karnataka, India

[B].Educational Qualifications: B.E. (CSE), M.E. (CSE), Ph.D.

Sr. No.	Degree	University/Board	Year	Class
1	Ph.D. (Computer Science and Engineering)	Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra.	2012	--
2	M.E. (Computer Science and Engineering)	Shivaji University, Kolhapur, Maharashtra.	2005	First class
3	B.E. (Computer Science and Engineering)	Shivaji University, Kolhapur, Maharashtra	1994	First class
4	HSC	Pune, Maharashtra	1988	Second class
5	SSC	Pune, Maharashtra	1986	First class

[C]. Research Experience:

I have completed my Ph.D. at the Department of Computer Science and Engineering, S.R.T.M. University, Nanded (Maharashtra) in 2012. My area of interest is Information Retrieval; the title of my Ph.D. thesis was “Document Image Retrieval”. I have been with the Department of Computer Science and Engineering at B.L.D.E.A.’s, V.P. Dr. P.G.H., College of Engineering and Technology, Bijapur (Karnataka), since 2000.

[D]. Areas of Interest:

Document Image Analysis and Recognition, Content Based Image Retrieval, Image Processing, Pattern Recognition, Information Retrieval

[E]. Professional Membership:

- a) Life Member of the ISTE (Membership No: LM41645).
- b) Life Member of the Institute of Engineers (Membership No: 129555-6).
- c) Life Member of the Computer Society of India (Membership No: I 1504324).

[F]. Workshop/Seminar Attended: 23

Sr. No.	Topic Name	Organized by	Duration (From-To)
1	Networking Technology	BVB, College of Engineering and Technology, Hubli	29-31 Oct., 2004
2	C# Programming & .Net Concepts	R.V. College of Engineering and Technology, Bangalore.	4- 6 August, 2005
3	NLPAI Machine Learning Contest 2006	IIIT, Hyderabad	28 December, 2005
4	Pattern reorganization & Image Processing	K. B. N. College of Engineering, Gulbarga.	15- 16 May, 2006
5	Research Methodologies	PESIT, College of Engineering, Bangalore	24-25 January,2008
6	Basics of Wavelets and Applications	B.E.C., Bagalkot	13-15 March, 2008
7	Machine Learning	C-DAC, Navi, Mumbai (M.S.)	19-20 Dec., 2008
8	Estimation of System Parameters by Inverse Modeling	B.L.D.E.A.’s, CET, Bijapur	16-20 March, 2009
9	Research Methodologies and Report Writing	G.I.T., Belgaum	25-26 May, 2009
10	Wavelets and Applications	S.G.G.S., College of Engineering and Technology , Nanded (M.S.)	8-10 June, 2009

Sr. No.	Topic Name	Organized by	Duration (From-To)
11	Effective Research Methodology	S.G.G.S., College of Engineering and Technology , Nanded (M.S.)	20 March, 2010
12	Operations and Maintenance of Satellite Interactive Terminal	VTU , Belgaum	4 August, 2012
13	Faculty Development Programme.	VTU , Belgaum	10-11 Jan., 2013
14	Internal Auditors as per ISO 9001:2008 requirements	B.L.D.E.A.'s, CET, Bijapur	25-26 June 2013
15	FDP on Research methodology and issues.	B.L.D.E.A.'s, CET, Bijapur	8-12 June 2015
16	Trends in Research & Publication	B.L.D.E.A.'s, CET, Bijapur	12-13 April 2016
17	FDP on Mathematics and Its Engineering Applications	B.L.D.E.A.'s, CET, Bijapur	26 – 31 Jan 2017
18	FDP on Usage of ICT Tools	B.L.D.E.A.'s, CET, Bijapur	29 Jan – 3 Feb. 2018
19	NPTL Workshop Sponsored by IIT Madras	M. S. Ramaih Institute of Technology, Bangalore	11 th Aug. 2018
20	FDP on Emerging Trends in Quality Education in Institutes of Higher Education	B.L.D.E.A.'s, CET, Bijapur	22-23 Feb., 2019
21	Workshop on “Moodle Learning Management System”	Teaching Learning Center (ICT) at IIT Bombay	15 th March 2019
22	Training Program on “E-Resources for Academic Excellence”	B.L.D.E.A.'s, CET, Bijapur	14 th October 2019
23	TEQIP sponsored 5 Days FDP on “Outcome Based Education and NBA Accreditation”	B.L.D.E.A.'s, CET, Bijapur	20 th to 24 th January 2020

[G]. No. of Workshop/Seminar Organized: 06

1. FDP workshop on Latex and its applications during 5-6, 2 May 2012.
2. A seminar on Research Methodology and Research Avenues in IT during 12th Oct. 2013.
3. ISTE-PTU sponsored FDP programme on Wavelets and applications during 9-13, June 2014.
4. FDP programme on Research methodology and issues during 8-12, June 2015.
5. IEI sponsored, All India Seminars on, “Big-Data: Techniques and Challenges during 18-19, March 2016.
6. Invited talk on “An effective proposal writing for funding agencies “, by Dr. M. B. Kokare, SGGS, COE, Nanded, Maharashtra on 31 Dec. 2016

[H]. No. of Webinar attended: 08

[I]. Experience in Teaching: 25 Years

Sl. No.	Name of Organization / Institution	Designation	Duration of service	
			From	To
1	College of Engineering and Technology, Malegaon, Pune (Maharashtra)	Lecturer	28/8/1995 to 6/4/1996	
2	J. C. E. I.'s, Institute of Technology, Junner, Pune (Maharashtra)	Lecturer	1/8/1997 to 8/5/2000	
3	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur(Karnataka)	Lecturer	1/7/2000 to 31/6/2006.	
4	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur(Karnataka)	Sr. Grade Lecturer	1/7/2006 to 29/2/2008.	
5	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur(Karnataka)	Assistant Professor	1/3/2008 to 31/12/2011.	
6	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur(Karnataka)	Associate Professor	1/1/2012 to 30/6/2014	
7	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur(Karnataka)	Professor	1/7/2014 to till date	

[J] Grants Received from Different Agencies: 04

Sl. No.	Name of funding agency	Title of Activity	Reference No.	Amount sanctioned
1	Indian Society for Technical Education(ISTE)	<i>FDP</i> : Wavelets and Applications	ISTE-PTU-FDP-COMPUTER SCIENCE/C-5/2014/54, 2014	Rs.100000/-
2	The Institution of Engineers (IEI), India.	<i>R&D Project</i> :Logo based document image retrieval system	Ref:RDDIR2016019,2015	Rs.75000/-
3	The Institution of Engineers (IEI), India.	<i>Seminar</i> : Big data-Techniques and Challenges	Tech:D.35/2/IM000353-2,2016	Rs.20000/-
4	Karnataka State Council for Science and Technology (KSCST).	<i>Student Project</i> : Document image retrieval based on signature	Ref.:7.1.03/SPP/1135,2014	Rs.4500/-

[K]. Research Guidance:

- M. Tech. : 07
- No. of Research Scholar : 03
- No. of Ph.D awarded : 01

[L]. Awards:

*Achieved **First** prize in ISTE National Award for the Best M. Tech Thesis in Engineering at 21st ISTE National Students Convention held at L.D. College of Engineering, Ahmadabad during 29-30 January 2019*

[M]. Other Information:

- ❖ Attended as Session Chair person in the *two* International Conferences.
- ❖ Attended as Project Review Committee Member under TEQUIP Phase-II, at BEC Bagalkot.
- ❖ Reviewer of International Journal of Information Processing and System.
- ❖ Working as BOS member of Solapur University since 2015.
- ❖ Worked as BOE member of V. T. U. Belgavi, 2014-15, 2016-17.
- ❖ Worked as LIC Committee member of V. T. U. Belgavi, 2016-17.

[N]. No. of book published: 01

Title: Software Architectures, *Technical Publications, ISBN:978-93-5099-679-9, 2014*

[O]. Total number of Publications: 30

National/International Journals Publications

- [1] **M. S. Shirdhonkar** and M. B. Kokare, "Document Image Retrieval: An Overview," *International Journal of Computer Applications*, vol. 1, no. 7, pp.128-133, 2010.
- [2] **M. S. Shirdhonkar** and M. B. Kokare, "Discrimination between Printed and Handwritten Text in Document," *IJCA, Special Issue on RTIPPR (3)*, no.6, pp.131- 134, 2010.

- [3] **M. S. Shirdhonkar** and M. B. Kokare, "Offline-line Handwritten Signature Retrieval using Curvelet Transforms," *International Journal of Computer Science and Information Security*, vol.8, no.8, pp. 48-51, 2010.
- [4] **M. S. Shirdhonkar** and M. B. Kokare, "Offline-line Handwritten Signature Identification using Rotated Complex Wavelet Filters," *International Journal of Computer Science Issues*, vol.8, no.1, pp. 478-482, 2011.
- [5] **M. S. Shirdhonkar** and M. B. Kokare, "Handwritten Document Image Retrieval," *International Journal of Modeling and Optimization*, vol.2, issue 5, pp. 691-694, 2012.
- [6] **M. S. Shirdhonkar** and M. B. Kokare, "Logo Retrieval using Rotated Complex Wavelet Filters", *International Journal of Imaging and Robotics*, vol. 13, issue no. 2, pp.58-64, 2014.
- [7] **M. S. Shirdhonkar** and M. B. Kokare, "Automatic logo based document image retrieval ," *International Journal of Knowledge-based and Intelligent Engineering Systems*, vol. 19, issue 1,pp. 27-33,2015.
- [8] Umesh D. Dixit and **M. S. Shirdhonkar**, "Automatic Logo Extraction from Document Images", *International Journal on Cybernetics and Informatics(IJCI)*,vol.4,no.2, pp. 221-226,2015.
- [9] Umesh D. Dixit and **M. S. Shirdhonkar**, "A Survey on document images analysis and retrieval", *International Journal on Cybernetics and Informatics (IJCI)*, vol.4, no.2, pp. 259-270, 2015.
- [10] Soumya Hooli and **M. S. Shirdhonkar**, "Reran king Image Retrieval using Attribute Features", *International Journal of Engineering Applied Sciences and Technology*, issue no.2455-2143 , pp. 112-116, 2016.
- [11] Priyadarshni Jambagi and **M. S. Shirdhonkar**, "Detection of Lung Cancer using SVM Classification", *International Journal of Engineering and Technology*, vol.4, issue 6,2017.
- [12] Dakshayani Patil and **M. S. Shirdhonkar**, "Rice Crop Yield Prediction using data mining technique:An overview", *International Journal of Advanced Research in Computer science and Software Engineering*, vol. 7, 2017

- [13] Umesh D. Dixit and **M. S. Shirdhonkar**, “Signature based Document Image Retrieval using multi-level DWT features”, *International Journal Image Graphics & Signal processing*, vol.8, pp. 42-49,2017.
- [14] Umesh D. Dixit and **M. S. Shirdhonkar**, “Preprocessing Framework for Document Image Analysis”, *International Journal Advanced Networking and Applications*, vol.10, Issue 4, pp. 3911-3918,2019.
- [15] Umesh D. Dixit and **M. S. Shirdhonkar**, “Fingerprint Based Document Image Retrieval”, *International Journal of Image and Graphics*, vol.19, Issue 2, pp. 1950008-1950008-17,2019 [World Scientific]
- [16] Umesh D. Dixit and **M. S. Shirdhonkar** “Language -based document image retrieval for Trilingual System”, *International Journal of Information Technology*, <https://doi.org/10.1007/s41870-019-00394-8>

National/International Conference Publications

- [17] B.S. Anami, S.M. Chadchan, **M. S. Shirdhonkar**, “Binary Quantization Based Speaker Identification System,” in *proc .of International Conference & Cognition and Recognition*, pp.877-884, Mysore, Karnataka (India), 2005.
- [18] B. S. Anami, Pushpa Patil, **M. S. Shirdhonkar**, “POS Tagging for Kannada Language,” in *proc. IEEE International Conference on Signal and Image Processing (ICSIP)*, pp. 250-252, Hubli, Karnataka, India, 2006.
- [19] B. S. Anami, S. M. Chadchan, Pushpa Patil, **M. S. Shirdhonkar**, “HMM based Chunker for Indian Language,” *International Conference on Information and Communication Technology*, pp.37- 40, Dehradun, India, 2007.
- [20] **M. S. Shirdhonkar** and M. B. Kokare, “Labeling of Signature in Scanned Document Images,” in *proc. of National Seminar on Recent Trends in Image Processing and Pattern Recognition*, pp. 42-44, Bidar, India, 2010.
- [21] **M. S. Shirdhonkar** and M. B. Kokare, “Off-Line Handwritten Signature Identification using Dual Tree Complex Wavelet Transforms,” in *proc. of 4th International Conference Computer Application in Electrical Engineering-Recent Advances*, pp. 368-372, Indian Institute of Technology, Roorkee, India, 2010.
- [22] **M. S. Shirdhonkar** and M. B. Kokare, “Automatic Logo Detection in Document Images,” in *proc. of 2010 IEEE International Conference on Computational Intelligence and Computer Research*, pp.905-907, Coimbatore, India, 2010.
- [23] **M. S. Shirdhonkar** and M. B. Kokare, “Handwritten Document Image Retrieval,” in *proc. of 3rd International Conference on Computer Modeling and Simulation (ICCMS 2011)*, pp.VI 506-510, Mumbai, India, 2011.
- [24] **M. S. Shirdhonkar** and M. B. Kokare, “Document Image Retrieval using Signature as

Query”, in *proc. of 2nd International Conference on Computer and Communication Technology*, pp.66-70, MNNIT, Allahabad, India, 2011.

- [25] **M. S. Shirdhonkar** and M. B. Kokare, “Writer-based Handwritten Document Image Retrieval using Contourlet Transform,” in *proc. of First International Conference on Digital Image Processing and Pattern Recognition (DPPR-2011)*, pp.108-117, Tirunelveli, India, 2011.
- [26] **M. S. Shirdhonkar** and M. B. Kokare, “Offline Handwritten Signature Retrieval,” in *proc. of CUBE 2012, International IT Conference and Exhibition*, pp. 290-293, Pune, India, 2012.
- [27] Umesh D. Dixit and **M. S. Shirdhonkar** , “Automatic Logo Detection and Extraction using singular value decomposition,” in *proc. of International Conference on communication and signal processing(IEEE Xplore)*, pp. 644-647,Melmaruvathur,Tamilnadu, India, 2016.
- [28] Umesh D. Dixit and **M. S. Shirdhonkar**, “Logo based Document image Retrieval System using Singular Value Decomposition features”, *International conference on Signal and Information Processing (IEEE Xplore)*, pp.169-172,Nanded (Maharashtra), 2016.
- [29] Umesh D. Dixit and **M. S. Shirdhonkar**, “Face-biometric based Document image Retrieval using SVD features”, *Procedia Computer Science*, vol. 132, pp. 659-668, 2018 Bhubaneswar[Elsevier].
- [30] Anil A Bharate and M. S. Shirdhonkar, “Classification of Grape Leaves using KNN and SVM Classifiers”,2020 Fourth International Conference on Computing Methodologies and Communication(ICCMC) , pp. 745-749, 2020.