

BIODATA

1. General Information:

Full Name : Dr. Pushpa B. Patil
Designation : Professor & Head
Sex : Female
Date of Birth : 10/5/1973
Nationality : Indian
Office address : Department of Computer Science and Engineering, BLDEA's,
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2.Educational Qualifications:

Sr. No.	Degree	University/Board	Year	Class
1	Ph.D. (Computer Science and Engineering)	Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra.	2014	--
2	M.Tech. (Computer Science and Engineering)	Visvesvaraya Technology University, Belgaum, Karnataka, India.	2006	First class with Distinction
3	B.E. (Computer Science and Engineering)	Karnataka University, Dharwad, Karnataka, India.	1996	First class
4	HSC	Bangalore, Karnataka, India.	1991	Second class
5	SSC	Bangalore, Karnataka, India.	1989	First class

3. Experience in Teaching: 18 Years

Sl. No.	Name of Organization / Institution	Designation	Duration of service	
			From	To
1	MBE's College of Engineering and Technology, Ambejogai, Dist: Latur (Maharashtra)	Lecturer	1/8/1997 to 30/6/2000	
2	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.	
3	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.	
4	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.	
5	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	
6	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	

4. Research Experience:

I completed Ph.D., thesis entitled "Relevance feedback in Content-Based Image Retrieval" at the Department of Computer Science and Engineering, S.R.T.M. University, Nanded (Maharashtra). My area of interest is Image Retrieval, Natural language Processing Document image analysis, Speech Processing. 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.

5. Areas of Interest:

Relevance Feedback in Content Based Image Retrieval, Pattern Recognition, Document Image Analysis and Recognition, Natural Language Processing

6. Professional Membership:

- a) Life Member of the ISTE (Membership No: LM29365).
- b) Life Member of the Institute of Engineers (Membership No: AM093307-7).
- c) Life Member of Computer Society of India(CSI)(Membership No.: I1504323)

7. Workshop/FDP/Seminar/tutorial Attended:

Sr. No.	Topic Name	Organized by	Duration(From-To)
	Applications of MATLAB in Research	Dept. of ISE, BLDEA's Dr. P.G.H. CET, Vijayapur	24 th -30 th April 2017
	Research Literacy and Trends in Scholarly Communications	Dept. of Library & Information centre, BLDEA's Dr. P.G.H. CET, Bijapur	23 rd -28 th Jan. 2017
1	Trends in Research and Publications	Dept. of Library & Information centre, BLDEA's Dr. P.G.H. CET, Bijapur	April 12 th -13 th 2016
2	Machine Learning & Soft Computing	Electronics & ICT Academy, Department of CSE, NIT, Warangal	December 28 th -9 th January , 2016
3	Research Methodology & Issues	Dept. of CSE, BLDEA's Dr. P.G.H. CET, Bijapur	June 8-12, 2015
4	Wavelets and Applications	Dept. of CSE, BLDEA's Dr. P.G.H. CET, Bijapur	June 9-13, 2014
5	Research Issues in Data mining	Dept. of CSE, BLDEA's Dr. P.G.H. CET, Bijapur	October 26-27, 2013
6	Research Methodology: Tools and Techniques	Dept. of E &C and Dept. of Textile Tech., SGGS Institute of Engineering and Technology, Nanded, Maharashtra.	March 11-15, 2013
7	Faculty Development Programme.	VTU , Belgaum	January 10-11, 2013
8	Latex and its Practical Approach	Dept. of CSE, BLDEA's Dr. P.G.H. CET, Bijapur	May 5-6, 2012
9	Intellectual Property Rights	Jointly organized by KSCST &BLDEA's CET, Bijapur	February 25, 2011
10	Effective Research Methodology	S.G.G.S., College of Engineering and Technology , Nanded (M.S.)	March 20, 2010
11	Art of Writing a Technical Paper, its Publication and	A. G. Patil institute of Tech.,	September 6, 2010

	Emotional Engineering	Solapur	
12	Wavelets and Applications	S.G.G.S., College of Engineering and Technology , Nanded (M.S.)	June 8-10, 2009
13	Estimation of System Parameters by Inverse Modeling	B.L.D.E.A.'s, CET, Bijapur	March 16-20, 2009
14	Research Methodologies	PESIT, College of Engineering, Bangalore	January 24-25, 2008
15	Basics of Wavelets and Applications	B.E.C., Bagalkot	March 13-15, 2008
16	Workshop on Machine Learning	International School of Information Management , Bangalore	April 21-25, 2008
17	IBM Faculty Development Programme	BLDEA's CET, Bijapur	May 2-3, 2008
18	Machine Learning	C-DAC, Navi, Mumbai (M.S.)	December 19-20, 2008
19	Pattern reorganization & Image Processing	K. B. N. College of Engineering, Gulbarga.	May 15- 16, 2006
20	Pre-conference Tutorial on "Speech Processing"	BVB College of Engineering and Technology, Hubli	December 7-9, 2006
21	C# Programming & .Net Concepts	R.V. College of Engineering and Technology, Bangalore.	August 4- 6 , 2005
22	Microsoft .Net Technology Training Programme	VTU Microsoft Technology Center, VTU, Belgaum	September 24 th to 8 th October, 2005 (15 days FDP)
23	NLPAI Machine Learning Contest 2006	IIIT, Hyderabad	28 December, 2005 (1 Day Tutorial)

8. List of Courses Taught:

➤ For UG

- Design and Analysis of algorithms

- C# programming and .NET
- Object oriented programming with C++
- Data structure with C
- Formal Languages and Automata theory
- Database management theory
- Discrete mathematical structures
- C Programming and Concepts

➤ **For PG**

- Advanced algorithms
- Data mining
- Machine learning techniques

9. Grants Received from Different Agencies: 04

Sl. No.	Name of funding agency	Title of Activity/Project	Reference No.	Amount sanctioned	Year
1	Vision Group of Science and Technology(VGST), Govt., Karnataka	Big data Analytics Laboratory	K-FIST(L1)/2016-17/GRD-570/2017-18/137/345/1	Rs.2000000/-	2016-18
2	All India Council for Technical Education(AICTE) MODROB	Advanced Network Laboratory	9-100/RFID/MODROB/Policy-1/2016-17	Rs.105000/-	2016-18
3	Karnataka State Council for Science and Technology (KSCST).	Student Project (Cashless Ticket Travels)	Ref.:7.1.03/SPP/1018	Rs.3000/-	2014-15
4	Karnataka State Council for Science and Technology (KSCST).	Student Project (E-Services)	Ref.:7.1.03/SPP/1148	Rs.3000/-	2015-16

10. List of projects guided/guiding for PG

1. Interactive Content Based Image Retrieval
2. Relevance Feedback in Content Based Image Retrieval

3. Named Entity Recognition for Kannada Language using HMM
4. Predicting Patterns over Protein Sequences using Apriori Algorithm
5. Event Detection in Twitter using Mentioning Practice of the User

11. Research Guidance:

- Master's: 07
- Ph. D. : 04

12. Other information

➤ **No. of Workshop/Seminar Organized: 03**

- One day Bridge course on C Programming 13th September 2013
- One week ISTE-PTU Sponsored FDP on 'Wavelets and Applications'. June 9-13, 2014
- One week FDP on "Research methodology & Issues" organized by Department of Computer Science and Engineering, BLDEA's Dr. PGH CET, Bijapur during June 8-12, 2015.
- BOE member of V. T. U. Belgaum, 2015-16.
- BOS member for MCA as VTU Nominee , BEC Bagalakot, 2017-19

➤ **Invited Lectures**

- On "Introduction to MATLAB and Advanced MATLAB Programming", Workshop on "Applications of MATLAB in Research" organized by Dept. of Information Science and Engineering, BLDEA's Dr. PGH CET, during 24th - 30th April 2017
- On "Introduction to LATEX", FDP on "Research Literacy and Trends in Scholarly Communications", organized by Dept. of Library & Information centre, BLDEA's Dr. P.G.H. CET, Bijapur during 23rd -28th Jan. 2017
- On "Research issues in CBIR", FDP on " Research methodology & issues" organized by Department of Computer Science and Engineering, BLDEA's Dr. PGH CET, Bijapur during June 8-12, 2015
- On "Relevance feedback in CBIR", ISTE-PTU-sponsored FDP, organized by Department of Computer Science and Engineering, BLDEA's Dr. PGH CET, Bijapur during June 9-13, 2014
- On "C Programming", STTP organized by Government Poly technique, Bijapur
- On "C# Programming", BLDEA'S Poly technique, Bijapur
- Attended as Session Chair person in the International Conference held during 2014, Indapur, Maharashtra.

- Attended as Judge for Texibit(Project Exhibition) event in National level technical fest “Techkrithi 2014” organized by Dept. of Information Science, BLDEA’s Dr. P.G.H. CET, Bijapur on 8 April 2014

➤ **Reviewer of International Journals/Conferences**

- International Journal of Electronics and Electrical Engineering(Elsevier publication)
- International Journal of Neurocomputing (Elsevier publication)
- ICONSIP-2016

13.Total No. of Publications:21

Journals:

- [1] Kshamarani Purvimath and Pushpa B Patil, “Pomegranate Fruit Disease Detection and Classification,” *International Journal of Engineering Applied Sciences and Technology*, vol. 1 no. 7, pp.102-106, May 2016
- [2] A. S. Jadav and **Pushpa B. Patil**, “Classification of diabetes retina images using blood vessel Area,” *International Journal on Cybernetics & Informatics (IJCI)* Vol. 4, No. 2, pp. 251-257, April 2015
- [3] Pushpa B. Patil and Manesh B. Kokare, “Efficient Texture Image Retrieval using Prims Algorithm with K-degree Nearest Neighbor Graph,” *International journal of imaging and robotics*, vol.13, no.2, pp.12-24, 2014.
- [4] Pushpa B. Patil and Manesh B. Kokare, “Interactive Semantic Image Retrieval,” *Journal of information processing systems*, vol. 9, no.3, pp.349-364, September 2013.
- [5] Pushpa B. Patil and Manesh B. Kokare, “Composite Relevance Feedback for Image Retrieval,” *International Journal of Computer, Electrical, Automation, Control and Information Engineering*, vol.7, no.1, pp. 141-145, 2013.
- [6] Pushpa B Patil and Manesh B. Kokare, “Semantic Image Retrieval using Relevance Feedback,” *International Journal of Web & Semantic Technology (IJWesT)* , vol.2, no.4, pp. 139-148, 2011.
- [7] Pushpa B. Patil and Manesh B. Kokare, “Relevance Feedback in Content-Based Image Retrieval: overview,” *Journal of applied computer science and mathematics*, no. 10(5) pp. 41-47, 2011, Suceava
- [8] Pushpa B. Patil and Manesh B. Kokare, “Image Retrieval with Relevance Feedback using k-Means Clustering,” *Communicated to International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*.

National/International Conferences

- [9] Pushpa B. Patil and Manesh B. Kokare, "Content Based Image Retrieval with Relevance Feedback using Riemannian Manifolds," in *proc. of IEEE ICSIP-2014*, pp.26-29, 8-10 January 2014, Bangalore. (ISBN: 978-0-7695-5100-5)
- [10] Pushpa B. Patil and Manesh B. Kokare, "Texture Image Retrieval using Greedy Method", in *Proc. of ICADC-2012*, pp. 885-891, 2012, Bangalore, India.(Springer).
- [11] Pushpa B. Patil and Manesh B. Kokare, "Interactive content based texture image retrieval," in *Proc. of 2nd IEEE Int. Conf. on computer and Communication Technology (ICCCT-11)*, pp. 71-76, Sept. 15 - 17, 2011, MNNIT, Allahabad.
- [12] Pushpa B Patil and Manesh B. Kokare, "Semantic Learning in Interactive Image Retrieval", in *Proc. of Advances in Digital Image Processing and information Technology*, CCIS vol. 205, pp. 118-127, September 23~25, 2011, Tirunelveli, Tamil Nadu, India (Springer) .
- [13] Pushpa B. Patil and Manesh B. Kokare, "Relevance Feedback in Image Retrieval," in *Proc. of national seminar on recent trends in image processing and pattern recognition*, pp. 37-41,
- [14] Pushpa B. Patil and Manesh B. Kokare, "Relevance Feedback in Content-based Image Retrieval," in *Proc. of 4th International Conference Computer Application in Electrical Engineering-Recent Advances*, pp. 364-367, Feb. 19-20, 2010, IIT Roorke.
- [15] B. S. Anami, P. B. Patil, and M. S. Shirdhonkar, "POS Tagging for Kannada Language," in *Proc. IEEE International Conference on Signal and Image Processing (ICSIP)*, Hubli, Karnataka, India, 2006, pp. 250-252.
- [16] B. S. Anami, S. M. Chadchan, P. B. Patil, and M. S. Shirdhonkar, "HMM based Chunker for Indian Language," in *Proc. International Conference on Information and Communication Technology*, Dehradun, India, 2007, pp.37- 40.
- [17] Pushpa B. Patil, Basavaraj Hipparagi, and B. C. Melinamath, "Named Entity recognition using Hidden Markov Model on Kannada Language," in *Proc. of the second international conference on Emerging Research in computing, information, communication and applications-2014*, vol. 2, pp. 897-905, August 2014, NMIT, Bangalore, Elsevier publications (ISBN:9789351072638),
- [18] Pushpa B. Patil and Shruti S. Hosurea, "Interactive Content Based Image Retrieval," in *Proc. of the second international conference on Emerging Research in computing, information, communication and applications-2014*, vol. 2, pp. 891-896, August 2014, NMIT, Bangalore, Elsevier publications (ISBN:9789351072638),
- [19] Pushpa B. Patil and Pratap Solapur, "A Framework for Content Based Image Retrieval using Relevance Feedback Based on Neural Net-BDT," in *Proc. of the second international conference on Emerging Research in computing, information, communication and applications-2014*, vol. 2, pp. 780-786, August 2014, NMIT, Bangalore, Elsevier publications (ISBN:9789351072638),

- [20] Pushpa B. Patil and Smita Gour, "A novel machine Learning Approach to Recognize house hold objects," *in proc. of international conference of signal processing communication, power and embedded systems(SCOPES-16)*, pp.212-215, October 3-5,2016, Paralakamundi, Odisha. **ISBN:** 978-1-5090-4620-1
- [21] Pushpa B. Patil and Ambaji. S. Jadav, "Detection of optic disc from retinal images using wavelet transform," *in proc. of international conference of signal processing communication, power and embedded systems (SCOPES-16)*,pp. 283-285, October 3-5,2016, Paralakamundi, Odisha.**ISBN:** 978-1-5090-4620-1