

Veerappa B. Pagi

Father's Name: Basalingappa V. Pagi

Date of Birth: 10-11-1971



Permanent Address: V. B. Pagi, Near Gundada Bavi, Kamatagi Road, Ward
No.6, GULEDGUDD - 587 203

Contact No. 93426 47100

Academic Experience: 20 Years of Teaching Experience as a Lecturer at Engineering
College Level

6 Months as a Lecturer at Polytechnic Level.

Details of Academic Experience:

1. Presently working as Professor and Head, in the Department of Computer Science and Engineering (CSE) at Basaveshwar Engineering College, Bagalkot, since 2nd September 2014
2. Worked as Associate Professor in the Department of Computer Applications (MCA) at Basaveshwar Engineering College, Bagalkot from 01-04-2012 to 01-09-2014
3. Worked as Assistant Professor in the Department of Computer Applications (MCA) at Basaveshwar Engineering College, Bagalkot, from 01-10-2005 to 31-03-2012.
4. Worked as Lecturer in the department of Computer Applications (MCA) at Basaveshwar Engineering College, Bagalkot, from 06-03-1999 to 30-09-2005
5. Worked as Lecturer in the Department of Computer Sc. & Engg. at Sir. M. Visvesvaraya Institute of Technology, Bangalore, from 17-05-1995 to 26-02-1999
6. Worked as Lecturer in the department of Computer Applications (MCA), at The Oxford Polytechnic, Bangalore, from 18-11-1994 to 16-05-1995

Academic Details:

Degree	Institute/Board/University	Year of Passing	Percentage of Marks	Class Obtained
Ph. D.	Visvesvaraya Technological University, Belgaum, Topic: Recognition and Classification of Sound Patterns Produced by Two-Wheelers for Automated Diagnosis, Guide: Dr. B. S. Anami	April 2014	--	--
M.E. (CSE)	B.M.S. College of Engineering., Bangalore (Bangalore University Bangalore)	July 1997	74.86 (Aggregate)	First Class
RE. (CSE)	Basaveshwar Engineering College, Bagalkot (Karnataka University Dharawad)	July 1994	70.00 (Aggregate 65.5)	First Class with Distinction
P.U.C.	Basaveshwar Science College, Bagalkot (P.U. Board, Bangalore)	March 1990	71.66	First Class
S.S.L.C	Junior Technical School, Bagalkot (KSEE Board Bangalore)	March 1988	74.38	First Class

Projects Carried Out:

- Image Processing for Aerial Object Acquisition, Carried out at M.E.
- Simulation of Optical Computing Algorithms, A mini-project carried out at M.E.
- Automatic Question Paper Drawer, Carried out at B.E.

Projects Guided:

- Hard Copy to Softcopy converter for Kannada Printed Documents. Hard Copy to Softcopy converter - An OCR System for English
- Authentication using Signature Recognition & Verification (KSCST Approved)
- Neural Network approach for Plant Taxonomy (KSCST Approved)
- Recognition of Geometrical Figures - A chain code based Approach . Graphical Tool for UML Design
- Kannada Nudi - A Text to Speech Software for Kannada
- Image Processing Toolkit
- Voice based biometric security
- Two-wheeler classification based on the produced sound signals
- Fault diagnosis of Two-wheelers based on the produced sound signatures

- Counseling management tool for University of Horticultural Sciences, Bagalkot
- Voice based movement of wheelchair
- Braille reader: A Braille script to speech converter

Areas of Interest: Image Processing, Sound Signal Processing, Object Technologies, Formal languages

List of published papers

International Journals

1. Basavaraj S. Anami, Veerappa B. Pagi, and Sangamesh M. Magi, Wavelet based acoustic analysis for determining health condition of two-wheelers, Elsevier Journal of Applied Acoustics, vol. 72, issue 7, 2011, pp.464-469
2. Basavaraj S. Anami, Veerappa B. Pagi, and Sangamesh M. Magi, Comparative Performance Analysis of Three Classifiers For Acoustic Signal Based Recognition of Motorcycles using Time- and Frequency-domain features' Institution of Engineering and Technology (IET)-Intelligent Transport Systems doi: 10.1049/iet-its.2011.0162, 2012, vol. 6, issue 3, pp. 235-242
3. Basavaraj S. Anami and Veerappa B. Pagi, Acoustic Signal based Fault Detection in Motorcycles – A Comparative Study of Classifiers, International Journal of Image, Graphics and Signal Processing, DOI: 10.5815/ijigsp.2013.1.02 Published Online October 2012 in MECS (<http://www.mecs-press.org/>), January 2013, pp. 8-15
4. Basavaraj S. Anami and Veerappa B. Pagi, 'Acoustic signal based fault detection of motorcycles using slope vector of the estimated pseudospectrum', International Journal of Signal Processing, Image Processing and Pattern Recognition Vol.6, No.5 (2013), pp.57-70
5. Basavaraj S. Anami and Veerappa B. Pagi, Acoustic Signal-based Approach for Fault Detection in Motorcycles using Chaincode of the Pseudospectrum and Dynamic Time Warping Classifier, Published in IET Intelligent Transport Systems Accepted on 4th December 2012, doi: 10.1049/iet-its.2012.0086
6. Veerappa B. Pagi, Basavaraj S. Anami and Ramesh S. Wadawadagi, Acoustic Pseudospectrum based Fault Localization in Motorcycles, International Journal on Computational Sciences & Applications (IJCSA) Vol.3, No.3, June 2013, DOI:10.5121/ijcsa.2013.3307, pp. 79-89
7. Basavaraj S. Anami and Veerappa B. Pagi, Integration of Pseudospectral Segments of Sound Signals for Fault Location in Motorcycles, SERSC International Journal of Advanced Science and Technology, Vol. 47, October 2012, pp. 77-90

8. Basavaraj S. Anami, Veerappa B. Pagi, 'Acoustic signal based detection and localisation of faults in motorcycles', IET Intelligent Transport Systems, doi: 10.1049/iet-its.2012.0193, ISSN 1751-956X , Available online August 27, 2013
9. Basavaraj S. Anami and Veerappa B. Pagi, 'Fault detection and localization in motorcycles based on the chain code of pseudospectra and acoustic signals', Journal of Mechanical Engineering and Sciences (JMES) ISSN (Print): 2289-4659; e-ISSN: 2231-8380; Volume 4, pp. 440-451, June 2013
10. Basavaraj S. Anami and Veerappa B. Pagi, 'Multi-stage acoustic fault diagnosis of motorcycles using wavelet packet energy distribution and ANN', Accepted for publication in SERSC International Journal of Advanced Science and Technology (December 2012), International Journal of Advanced Science and Technology Vol. 49, December, 2012 , pp. 47-62
11. Basavaraj S. Anami and Veerappa B. Pagi, Multi-fault source localization in motorcycles based on wavelet packets of the sound signals, International Journal of Applied Artificial Intelligence in Engineering System (July-Dec 2012), Vol. 4, No. 2, 2012, ISSN: 0975-3176, pp. 135-150
12. Basavaraj S. Anami and Veerappa B. Pagi, Localisation of multiple faults in motorcycles based on the wavelet packet analysis of the produced sounds, Published in IET Intelligent Transport Systems, Accepted on 27th April 2013, doi: 10.1049/iet-its.2013.0037 ISSN 1751-956X, Volume 7, Issue 3, September 2013, pp. 296-304
13. Basavaraj S. Anami, Ramesh S. Wadawadagi and Veerappa B. Pagi, Machine Learning Techniques in Web Content Mining: A Comparative Analysis, Journal of Information & Knowledge Management, Online ISSN: 1793-6926, Vol. 13, No. 1 (2014) World Scientific, DOI: 10.1142/S0219649214500051
14. V. B. Pagi, R. S. Wadawadagi and B. S. Anami, Multiple Fault Diagnosis of Motorcycles based on Acoustic Approach, International Journal of Advanced Information in Engineering Technology (IJAIET), Vol.2, No.2, February 2015, pp. 20-28
15. Pavan Chitrager and V. B. Pagi, Lemon Leaf Disease Detection and its Solution, International Journal of Advance Research in Engineering, Science & Technology e-ISSN: 2393-9877, p-ISSN: 2394-2444 Volume 3, Issue 7, July-2016, pp. 66-75
16. V. B. Pagi and Nivedita Baragundi, Gesture to English Letter Conversion for Sign Language, International Journal of Advance Research in Engineering, Science & Technology e-ISSN: 2393-9877, p-ISSN: 2394-2444 Volume 3, Issue 7, July-2016, pp. 132-145

17. V. B. Pagi, Shrutidevi Patil and Basavaraj Patil, "Content based Image Retrieval based on Colour, Texture and Shape features", International Journal of Advanced Research in Engineering, Science and Technology (IJAREST), vol. 04, issue 06, 2017
18. V. B. Pagi and Pooja Desai, "Braille to Speech Conversion using seam carving algorithm", International Journal of Advance Research in Engineering, Science & Technology (IJAREST), vol. 04, issue 06, 2017

International Conference

1. Basavaraj S. Anami and Veerappa B. Pagi, An Acoustic Signature Based Neural Network Model for Type Recognition of Two-Wheelers, IMPACT-2009, IEEE International Conference on Multimedia Systems, Signal Processing and Communication Technologies 14-16 March-2009, Aligarh, pp 28-31
2. B. S. Anami, S. A. Angadi, V. B. Pagi and M. A. Bharathi, A Knowledge Based Technique for Automatic Recognition of Traffic Signs, Proceedings of the International Conference on Cognition and Recognition, 22-23 December 2005, PES College of Engineering, Mandya, India, pp. 603-614
3. V. B. Pagi, R. S. Wadawadagi and B. S. Anami, An Acoustic Approach for Multiple Fault Diagnosis in Motorcycles, IEEE International Conference on Soft Computing and Network Security (ICSNS), SNS College of Technology, Coimbatore, India, 25-27 February 2015
4. V. B. Pagi, R. S. Wadawadagi and B. S. Anami, Fault Localization in Motorcycles using Wavelet Packet Energy Distribution, IEEE International Conference on Soft Computing and Network Security (ICSNS), SNS College of Technology, Coimbatore, India, 25-27 February 2015
5. V. B. Pagi, R. S. Wadawadagi and B. S. Anami, Empirical Study of Features and Classifiers for Fault Diagnosis in Motorcycles Based on Acoustic Signals, International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT - 2015), Bapuji Institute of Engineering and Technology, Davangere, 29-31 October 2015, DOI: 10.1109/ICATCCT.2015.7456966, pp. 659 – 664
6. V. B. Pagi, R. S. Wadawadagi and B. S. Anami, Severity Analysis of Motorcycle Faults Based on Acoustic Signals, International Conference on Cognition and Recognition (ICCR 2016), Maharaja Institute of Technology, Mysore, 30-31 December 2016, accepted for publication in Springer Lecture Notes in Networks and Systems
7. V. B. Pagi and R. S. Wadawadagi, Opinion content extraction from Web pages using embedded semantic term tree kernels, Accepted for International Conference on

Computational Intelligence and Data Engineering (ICCIDE-2017), organized by Laki Reddy Balireddy College of Engineering, Mylavaram, India, on 14, 15 July 2017, (Published in Lecture Notes on Data Engineering and Communications Technologies (LNDECT) series of Springer)

National Conference

1. Basavaraj Anami, Basavaraj Amarapur, S. A. Angadi, V. B. Pagi and Shobha Channal, "The Invariant Moment method for leaf Image recognition based on segmentation: A Neural Network Approach, Proceedings of National conference on Document Analysis & recognition (NCDAR-2001), 13-14 July 2001, PES College of Engineering, Mandya, India, pp. 130-139
2. Mallikarjun Masarakal and Veerappa B. Pagi, "Learning Techniques in Face Recognition from Partial Image:A Comparative Analysis", National Conference on Emerging Trends and Advances in Information Technology Department of CS & E, AIT, Chikmagalur, January 29th & 30th, 2016
3. Priyank M. Kambagi and V. B. Pagi, "Comparative Analysis of Multimodal Biometric Authentication using Signature, Face and Voice", National Conference on Multimedia Technologies and Communication Systems (NCMTCS-2017), at Malnad College of Engineering, Hassan, on 17, 18 March 2017

Programming Proficiency: C Language and MATLAB

Actively Involved in Post-graduate Projects in the area of Image Processing

- Classification of Leaves using Neural Network, Carried out by Ms. Shobha Channal, for VTU Belgaum
- Recognition of Pitman Shorthand Strokes using Dynamic Programming Approach", carried out by Mr. Shashidhar Kallur for M.Tech.(Computer Engg.), University of Mysore, Mysore.

Workshops organized

1. CSI-Electronic System Design and Manufacturing Workshop jointly organized by BEC, CSI-Bangalore chapter, Sponsored by Govt. of Karnataka -IT & BT, and Consortium of Electronic Industries Karnataka, on 29th and 30th March 2016, for the faculty, staff and students of Bagalkot and surrounding Engineering colleges

2. ISRO Guest Lecture on “ISRO Satellite Remote Sensing Based Societal Applications on the Web”, Sponsored by TEQIP-II, on 9th September 2016 for the students of circuit branches and MBA of our college.

Member of the organizing committee

1. 2017 Member of the organizing committee of International Symposium on Green Technologies for Sustainable Development, organized at Basaveshwar Engineering College, Bagalkot, on 24th and 25th February 2017
2. 2016 Member of the technical committee of International Conference on Current Research and Applications in Electrical Sciences (ICCRAES-2016), organized on 4th and 5th October 2016, at PDA College of Engineering and Technology Gulbarga (Kalaburgi)
3. 2015 Sai Vidya Institute of Technology, Bengaluru, VTU Sponsored two days National Conference on advances in computing & Communication Technologies (NCACCT-15) on topic “Research Issues in Image Processing” during 28th and 29th April 2015

Short-Term Courses attended:

1. 2017 Open Society Problems and Computing Solutions in Python, 29,30 and 31 March 2017, at Basaveshwar Engineering College, Bagalkot
2. 2008 Faculty development programme on Computer Network Simulation, 21-02-2008 to 23-02-2008, at Basaveshwar Engineering College, Bagalkot
3. 2007 Speech and Image Processing, from 23-07-2007 to 28-07-2007, at Basaveshwar Engineering College, Bagalkot.
4. 2006 Vision R & D, from 20-03-2006 to 25-03-2006, at Basaveshwar Engineering College, Bagalkot.
5. 2006 Signal Processing & Its Applications, from 9th to 11th October 2006, at Basaveshwar Engineering College, Bagalkot.
6. 2006 Infovision-2006- The knowledge Summit, on 28, 29 September 2006, at Hotel Le Meridian, Bangalore, organized by Confederation of Indian Industry (CII)
7. 2006 Digital Signal Processor & its applications, from 25th to 30th September 2006, at Basaveshwar Engineering College, Bagalkot.
8. 2006 C# and .NET, from 1st to 6th June 2006, at Basaveshwar Engineering College, Bagalkot.
9. 2006 Applied Mathematics, from 03-04-2006 to 08-04-2006, at Basaveshwar

Engineering College, Bagalkot.

10. 1999 Advanced Microprocessor & P.C. Training, from 18-01-1999 to 11-02-1999, at UVCE Bangalore.

Workshops Attended:

1. 2016 Managerial Capacity Enhancement, 26th to 28th September 2016, IIM Kozhikode
2. 2016 TCS HeadStart, HoD's meet, 25th February 2016, TCS Bengaluru
3. 2015 Outcome Based Education, 18th December 2015, at BEC Bagalkot
4. 2015 Management Capacity Enhancement, 16th July 2015 to 22nd July 2015, at IIM Indore
5. 2015 Empowerment through Employment, 3i Summit, 2nd March 2015, at RiiiT Mysore
6. 2013 Software Project Management, 14th December 2013, at RiiiT Mysore
7. 2013 Senior Faculty Development Program, 11th to 13th November 2013, at BEC Bagalkot
8. 2011 Linear Algebra and its applications, 24th to 28th January 2011, at JNN College of Engineering, Shimoga
9. 2010 VTU Thesis Development using Latex, 1st jan 2010, at Jayachamarajendra College of Engineering , Mysore.
10. 2010 Biologically Inspired Computing, from 7th to 10th June 2010, at Shri Jayachamarajendra College of Engineering , Mysore.
11. 2009 Research Methodologies and Report Writing, on 25th to 26th May 2009, KLS Gogte Institute of Technology, Belgaum.
12. 2009 Research Issues in Information Technology, February 26-28, 2009, at Basaveshwar Engineering College, Bagalkot.
13. 2008 Basics of Wavelets and Applications, from 13-03-2008 to 15-03-2008, at Basaveshwar Engineering College, Bagalkot.
14. 2007 Digital Image Processing & Computer Vision, 4th and 5th May 2007, at Malnad College of Engineering, Hassan.
15. 2006 Counseling Techniques, on 25th August 2006, at Basaveshwar Engineering College, Bagalkot.
16. 2001 IBM iSeries 400 & As.400e, from 09-07-2001 to 21-07-2001, at Basaveshwar Engineering College, Bagalkot.
17. 2001 DB2, from 13-08-2001 to 18-08-2001, at BMSCE Bangalore.
18. 2001 Database Systems, from 19-11-2001 to 23-11-2001, at IIIT Bangalore.

Lecture Series Attended:

1. 2006 Mathematical Modeling for Digital Image Processing, from 09-01-2006 to 14-01-2006, at Basaveshwar Engineering College, Bagalkot.

Delivered talks at:

2. 2015 BLDEA's Vachana Pitamaha Dr. PGH Institute of Technology, Vijayapur, FDP on Research Methodology and Issues, 8th -12th June 2015
3. 2015 Sai Vidya Institute of Technology, Bengaluru, VTU Sponsored two days National Conference on advances in computing & Communication Technologies (NCACCT-15) on topic "Research Issues in Image Processing" during 28th and 29th April 2015
4. 2015 Navodaya Institute of Technology, Raichur, one week Faculty Development Programme on "Digital Image Processing and its Applications", from 27th to 31st January 2015
5. 2013 SECAB Institute of Engineering and Technology, Bijapur, on "Teaching – Perspectives and Challenges", on 28th December 2013
6. 2012 KLE Institute of Technology, Hubli, on "Career Opportunities for MCA graduates", on 16-10-2012
7. 2008 Basaveshwar Science College, Bagalkot, on "Artificial Intelligence and Expert Systems" in 2008
8. 2007 University of Agricultural Sciences, Dharwad, on "Image Processing applications in Agriculture", on 20-09-2007
9. 2000 BVVS Polytechnic Bagalkot, "Microprocessors – Programming and Applications", 2000

Ph. D. Comprehensive viva-voce conducted:

VTU Belagavi, 23rd January 2015, Keshav M. candidate of Dr. S. B. Kulkarni

VTU Regional Office, 12th March 2017, Chandrakala V. candidate of Dr. G. Thippeswamy

Ph. D. viva-voce conducted:

1. Bhartiya University, Coimbatore, Jayaprakash M., candidate of Dr. M. Aramudhan

Additional responsibilities:

- Working as Head of the Department of Computer Science and Engineering since 2nd September 2014.
- Worked as Head of the Department of Computer Applications (MCA) from 22nd December 2007 to 1st September 2014

- Worked as member of various committees in Basaveshwar Engineering College, Bagalkot, including graduation souvenir committee, MPCC committee, academic council and Chairman of Board of Studies in MCA and CSE departments.
- Worked as member of Board of Examiners of VTU for one year.
- Worked as member of Board of Studies in MCA, of VTU Belgaum for three years.
- Worked as Coordinator of BVVS-IIPS (International Institute of Professional Studies), for two years, at Basaveshwar Engineering College, Bagalkot.
- Worked as Founder Secretary, GANAK, Forum of CSE Students, for one year at Sir M.V.I.T., Bangalore.
- Worked as Residential Warden, VIT Men's Hostel-II, for two years at Sir M.V.I.T., Bangalore.
- Worked as In-charge Head, Dept. of Computer Applications (MCA) from 22-12-2007 to 01-09-2014

Ph. D. candidates under my supervision

Sl.No	Candidate Name	Candidate USN	Year of Registration	Research Topic
1	Ramesh S. Wadawadagi	2BA15PEJ08	2015	Development of an integrated framework for web content analysis
2	Bhargav H. K.	2BA16PEJ12	2016	Analysis of age progression based on facial images
3	Gnaneshwari		2017	

Achievements:

1. Reviewer for Elsevier journal “Measurements”
2. Best paper presentation award on “Bharathadalli Muktha ThamthrAmsha – Ondu avalOkana”, on 9th Kannada Science Conference held at Basaveshwar Engineering College, Bagalkot, 15th to 17th September 2012
3. Participated as a judge during Srishti 2007, organized by Basaveshwar Engineering College, from 4th to 7th May 2007
4. Worked as Member of Technical Program committee at National Conference on Advances in Computing and Communication Technologies (NCACCT-2015) organized at Sai Vidya Institute of Technology, Bengaluru, on 28th and 29th April 2015