

Resume

Personal Details:

Name : **Sunanda Biradar**
Sex : Female
Date of Birth : 24-11-1980
Designation : Assistant Professor
Office address : Department of Computer Science and Engineering, BLDEA's, Dr. P. G. Halakatti College of Engineering and Technology, Vijayapur, Karnataka, India.
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Academic Qualifications:

Currently pursuing part time **Ph. D.** under Visvesvaraya Technological University, Belagavi, Karnataka.

Sl. No.	Degree	University/Board	Year of Passing	% Marks obtained with Class
1	M. Tech. (Computer Science and Engineering)	Visvesvaraya Technological University, Belagavi	2009	CGPA: 9.07 First Class with Distinction
2	B.E. (Computer Science and Engineering)	Visvesvaraya Technological University, Belagavi	2002	70.4% First Class with Distinction
3	PUC	Pre-University board, Karnataka	1998	73.3% First Class with Distinction

4	SSLC	Karnataka State Board	1996	86.85% First Class with Distinction
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Achievements/Rewards: Gold medalist for securing First Rank in M. Tech. (CSE)

rewarded by Basaveshwar Engineering College,
Bagalkot (Autonomous), Karnataka.

Work Experience: Total 13 years of teaching experience

1. Currently Working as Assistant Professor in Computer Science & Engineering department B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur since 2012.
2. Worked as a Sr. Grade Lecturer in Computer Science & Engineering department at B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Bijapur, from 2009-2012.
3. Worked as a Lecturer in Computer Science & Engineering department at B.L.D.E.A's V.P. Dr. P.G.H., College of Engineering and Technology, Bijapur, from 2005 – 2009.
4. Worked as a Lecturer in K.C. College of Engineering, Thane, Maharashtra from 2004-2005.

Research Areas of Interest:

Image Processing, Pattern Recognition and Natural Language Processing.

Publications

International Journals

[1] Sunanda Biradar and Nusrathjabeen Nagoor, "*A Review on Cloud Gaming*", Int. Journal of Adv. Research in Computer and Communication Engineering, vol.6(5), pp. 92-95, ISSN(online):2278-1021, May 2017.

[2] Sunanda Biradar and Sonali Porwal, "*Eliminating the gap between Health Conscious People and Health Care based Knowledge Sharing Portal*", Int. Research Journal of Engineering and Technology , vol. 3(7), ISSN(online):2395-0056, Jul 2016.

[3] Sunanda Biradar and Ashwini Tuppad, "*A Static Hand Gesture Classification System for American Sign Language fingerspelling and Digits*" Int. Journal of Latest Trends in Engineering and Technology, vol.7(1), ISSN:2718-627X, pp. 695-702, May 2016

[4]Sunanda Biradar and Kavya Agalatakatti, "*Lung Cancer Identification Using CT Images*", Int. Journal of Engineering and Computer Science, 4(7), pp. 13022-13024, ISSN:2319-7242, July 2015

[5] Sunanda Biradar and Sonali Porwal, "*Survey on Emotion Detection in Social Media*", Int. Journal of Advanced Technology in Engineering and Science , 3(1), Apr. 2015

[6] Sunanda Biradar and Ashwini Tuppad, "*A Survey on Gesture Recognition Techniques in Gesture-based Human Computer Interaction Interfaces*" Int. Journal of Advanced Research in Science and Engineering, vol.4, pp. 695-702, Mar 2015

[7] Akkasaligar Prema T. and Biradar Sunanda, Classification of Medical Ultrasound Images of Kidney, Int'l. J. of Computer Applications (ISSN:0975 – 8887), Special Issue on ICICT 2014, pp. 24-28, impact factor [0.715](#).

Conference Publications

- [1] Akkasaligar Prema T., Biradar Sunanda and Kumbar Veena, "***Kidney Stone Detection in Computed Tomography Images***", IEEE SmartTechCon 2017, REVA University, Bangalore, Karnataka, India, 17-19 August 2017. ISBN : 978-1-5386-0568-4
- [2] Akkasaligar Prema T. and Biradar Sunanda, "***Diagnosis of Renal Calculus Disease in Medical Ultrasound Images***", IEEE International Conference on Computational Intelligence and Computing Research-2016, Chennai, Tamilnadu, India, 15-17 Dec. 2016, pp.948-952
- [3] Akkasaligar Prema T. and Biradar Sunanda, "***Automatic Segmentation of Kidney Cysts in Medical Ultrasound Images***", UGC Sponsored National Conference on Recent Trends in Image Processing and Pattern Recognition, Bidar, Karnataka, India-2016, 2-3 April 2016, ISBN:978-93-5267-599-9.
- [4] Sunanda Biradar and Soumya Sajjan, "***Enhancement and Segmentation of Liver Ultrasound Images***", Proc. in Elsevier International conference on Emerging Research in Computing, Information, Communication and Applications -2014, NMIT, Bangalore , Jun 2014, ISBN : 9789351072638
- [5] Dayanand Savakar and Sunanda Biradar, "***Identification and classification of similar looking food grains***", Proc. SPIE 8760, International Conference on Communication and Electronics System Design, Jan. 2013, held at MNIT Jaipur, Rajasthan-India. DOI: 10.1117/12.2009957
- [6] Bhuvaneshwari Melinamath and Sunanda Biradar, "***A Compiler for Morphological analyses based on finite-state transducer***", Proc. International conference on Information System for Indian Languages -2011, held at Punjab university, Patiala published in CCIS series of springer.

Workshop/Seminar Organised:

1. Bridge Course on OOPS with C++ at Dept. of Computer science and Engineering, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology, Vijayapur from 06th -10th Feb 2017
2. One day Seminar on "Sneak Peak into IT Industry", at Dept. of Computer science and Engineering, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur on 1st April, 2014.

Details of STTPs/FDPs/Workshops/Seminars Attended

1. One Week FDP on "Research Literacy and Trends in Scholarly Communications" organized by Library and Information Centre and Dept. of Civil Engineering, BLDEA's V.P.Dr.P.G. Halakatti College of Engineering and Technology, Vijayapur from 23-01-2017 to 28-01-2017.
2. One day workshop "E-resources for Academic Excellence and Research" organized by Library and Information Centre and Dept. of Electrical & Electronics Engineering, BLDEA's V.P.Dr.P.G. Halakatti College of Engineering and Technology, Vijayapur on 27th Oct 2016.
3. One Week STTP on "Recent Advances in Electronics & Communication" organized by Dept. of Electronics & Communication Engineering, BLDEA's V.P.Dr.P.G. Halakatti College of Engineering and Technology, Vijayapur from 04-04-2016 to 09-04-2016.
4. STTP on "Educational Technology for Engineering Teachers" by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India) from 07-01-2016 to 07-03-2016.
5. Workshop on "Trends in Research and Publications" organized by Library and Information Centre and Dept. of Mechanical Engineering, BLDEA's V.P.Dr.P.G. Halakatti College of Engineering and Technology, Vijayapur on 11-04-2016 to 12-04-2016.
6. One Week FDP on "Research Methodology & Issues" organized by Dept. of Computer science and Engineering, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur from 08-06-2015 to 12-06-2015.
7. One day workshop "Make It Happen" on the eve of World Women's Day, at BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur, on 22nd Mar. 2015.
8. **Two Weeks ISTE STTP** on "Pedagogy for Effective use of ICT in Engineering Education by IIT Bombay under the National Mission on

Education through ICT (MHRD, Govt. of India) from 05-01-2015 to 31-01-2015.

9. One day workshop “Sarvotumukhi” on the eve of World Women’s Day, at BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur, on 8th Mar. 2014
10. Two days workshop on “Research Issues in Data Mining” at Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur during 26 -10-2013 to 27 -10-2013.
11. **Two Weeks ISTE STTP** on “Database Management Systems” organized by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India) from 21-05-2013 to 30-05-2013.
12. One day workshop on “SHE- Sthree Holistic Empowerment” at Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur on 16th March 2013.
13. One day Seminar on “Recent Advances in Computer Applications” at Dept. of Computer science, Karnataka State Women’s University, Bijapur, on 27th February 2012.
14. Two days workshop on “ LaTeX and its Pratical Approach” at Dept. of Computer science and Engineering, BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur during 5-6 May 2012.
15. National Workshop on “Emerging Trends in Pattern Recognition” at RAIT, Nerul, Navi Mumbai during Aug. 19-21, 2010.
16. Workshop on “Aerospace Science and Technologies” conducted as part of AEROFEST 2010 jointly organized by CSIR-National Aerospace Laboratories, Bangalore and BLDEA’s V.P.Dr.P.G.Halakatti College of Engineering and Technology, Bijapur during 19-21 Feb. 2010.
17. Workshop on “Research Issues in Information Technology” under FDP of TEQIP, at B. E. C Bagalakot held during Feb. 26-28, 2009.

Projects Guided(2011 onwards):

PG:

- 1) Kidney Stone Detection In Computed Tomography Images

- 2) Eliminating the Gap between Health conscious People and Healthcare based knowledge Sharing Portal
- 3) A static hand gesture classification system for American Sign Language(ASL) fingerspelling and digits
- 4) Lung Cancer Identification using CT images
- 5) Enhancement and segmentation of liver ultrasound images.

UG:

- 1) Simplified Analysis of Train Passengers Details (Funded by Govt. of Karnataka)
- 2) Face Recognition using Partial Information
- 3) Cell Phone Inventory Management System
- 4) E-permit for Mining Companies in Multi-languages.

Subjects Handled :

- 1) Java and J2EE
- 2) Database Management Systems
- 3) Computer Graphics and Visualization.
- 4) Object Oriented Programming with C++
- 5) UNIX Shell Programming
- 6) Programming the Web
- 6) Java and CGI Programming
- 7) Multimedia Computing