

BIO-DATA



1	Name	Dr. Bharati Mahantayya Reshmi
2	Address	Near Lion's School Extension Area, Bagalkot - 587101, Karnataka, India.
3	Date of Birth and Nationality	20/07/1970. Indian
4	Qualifications	B.E. in Computer Science and Engineering, Karnataka University, Dharwad. M.Tech in Computer Science and Engineering, Visveswaraiyah Technological University (VTU), Belgaum. India. Ph.D in Computer Science & Engineering, Gulbarga University, Gulbarga, India.
7	Areas of research interest	Medical Image Analysis.
8	Experience	1993-1999: Lecturer in CSE Dept, BVB College of Eng and Tech, Hubli, India 1999-2007: Lecturer in ISE Dept., BEC, BGK, India. 2007- Till Date: Associate Prof in ISE Dept., Basaveshwar Engineering College, Bagalkot.
9	Subjects Taught at UG and PG Level	C programming, Fortran programming, COBOL, Computer organization, Operations research, Introduction to Unix, Data structures and algorithms, Microprocessor, Unix system programming, Linux kernel programming, Linux Internals, Compiler Design, Operating Systems, Parallel algorithms, Distributed computing, Software Testing, Client server computing, Machine Learning.
10	Membership	ISTE, IEEE

PUBLICATIONS:

1. International/National Conferences

1. Rajesh I S, Bharati M Reshmi, Bharathi M A “Automatic Hard Exudates Identification In Color Retinal Fundus Images”, proceedings of the 10th INDIACom-2016: IEEE Conference ID-37465, 3rd international conference on “Computing for sustainable Global Development” BVICAM, Delhi, ISSN-0973-7529; ISBN 978-93-80544-20-5,pp. 2041-46, Year-2016.
2. Rajesh I S, Bharati M R, Bharathi M A, “A Survey on Automatic Detection of Diabetic Retinopathy using color Retinal Images”, Second National Conference on Digital signal and Image Processing”, PP-54-59, Feb 19-20, 2016.
3. G. G. Rajput and B. M. Reshmi, “Automatic detection of diabetic macular edema from color fundus images”, Proceedings of ICCR-2016, MIT, Mysore.
4. G. G. Rajput and B. M. Reshmi, “Mathematical Morphology based Optic Disk detection in retinal fundus images”, NCDISP, 12th and 13th Feb 2015, MIT Campus, Pune. (Best Oral Paper presentation Award)
5. G G Rajput and B M Reshmi, “Automatic detection of fovea center using mathematical morphology in fundus images” International National Conference on Cognition and Recognition at Mysore, 09 - 10 Dec 2011
6. Ganapatsingh Rajaput and Bharati Reshmi, “Mathematical morphology based fovea center detection using fundus images” Recent advances in Intelligent Informatics, Springer, Symposium on Intelligent Informatics (ISI'13), August 23-24 2013, *Mysore*. **(one of the Best Paper of the Conference award)**
7. B M Reshmi and S S Manvi, “Masquerade detection by using activity patterns”, Proc. of the First European Conf on Computer Networks Defense School of Computing, University of Glamorgan, Wales, UK, Dec 2005. **(Presented in Glamargon University, Wales, UK, Citations:02)**
8. B M Reshmi and S S Manvi, “An agent based intrusion detection frame work for local area networks”, National Conf on devices, intelligent systems and commincations, Sep 26-28 2005, MAHE, Manipal.

2. International / National Journals

1. G. G Rajput and B M Reshmi. Article: Automatic detection of Optic Disc based on Mathematical Morphology using Retinal Fundus Images. IJCA Proceedings on National conference on Digital Image and Signal Processing DISP 2015(2):1-5, April 2015. **(Citations: 01)**
2. G G Rajaput and B M Reshmi, Sidramappa C “Automatic detection of fovea center using mathematical morphology in fundus images”, *IJMI*. International Journal of Machine Intelligence. ISSN: 0975–2927 & E-ISSN: 0975–9166, *Volume* 3, Issue 4, 2011. **(ICV:7.09 (2012), Citations:08)**
3. S S Manvi, B M Reshmi, and Bhagyajyoti, “An agent based intrusion detection model for mobile adhoc networks”, *Mobile Information systems, Mobile Information systems vol. 2, no. 4, 2006, IOS Press. (Impact factor:0.849, Citations:04)*
4. **Accepted in IJMEI Journal** (Publisher- InderScience)
Rajesh I S, Bharathi Malakreddy A, Bharati M Reshmi (2018) ‘A review on automatic identification of fovea in retinal fundus images’, *Int. J. Medical Engineering and Informatics*.
5. **Communicated to IJMEI Journal** (Publisher- InderScience)
Bharati M Reshmi, Rajesh I S, Bharathi Malakreddy A, “A Novel Method for Automatic Identification of Fovea Location and Its Center in Color Retinal Fundus Images”, *Int. Journal of Medical Engineering and Informatics*, (2018).
6. **Communicated to BBE: Imaging & Visualization** (Publisher - Taylor & Francis)
Rajput G G, Bharati M Reshmi, “Automatic Detection of Diabetic Macular Edema from Color Fundus Images” *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization* (2018).
7. **Communicated to BBE: Imaging & Visualization** (Publisher - Taylor & Francis)
Bharati M Reshmi, Rajesh I S, Bharathi Malakreddy A, “A Novel Method for Automatic Detection of Optic Disk and its Center in Color Retinal Fundus Images”, *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization* (2018).

8. **Communicated to IJAPR Journal** (Publisher- InderScience)
Rajesh I S, Bharathi Malakreddy A, Bharati M Reshmi (2018) “Automatic Extraction of Retinal Blood Vessels in Color Fundus Images”, Int. Journal of Applied Pattern Recognition.
9. **Communicated to CMPB** (Publisher – ELSEVIER)
Rajput G G, Bharati M Reshmi, “Automatic Detection And Grading Of Diabetic Maculopathy Using Fundus Images” Computer Methods and Programs in Biomedicine Elsevier Publication (2019).

3. Book Chapters

1. Rajesh I S, Bharati M A, Bharathi M R “A Comprehensive Review on Automatic Diagnosis of Diabetic Maculopathy in Retinal Fundus Images”, Communications in Computer and Information Science Series (CCIS) Book Series, ISSN: 1865:0929, Springer Nature Singapore Pte Ltd. CCIS 968, pp. 410–420, Year- 2019.
https://doi.org/10.1007/978-981-13-5758-9_35.
2. Ganapatsingh Rajaput, Bharati Reshmi, “Mathematical Morphology Based Fovea Center Detection Using Retinal Fundus Images”, Advances in Intelligent Systems and Computing book series (AISC, volume 235), pp 41-52, Year-2014,
https://link.springer.com/chapter/10.1007/978-3-319-01778-5_5

6. UG/PG Projects Guided

More than 35 projects have been guided in the areas of Computer networks, System software, and Image processing and pattern recognition.

7. Courses/FDP/seminars/Symposiums Organized / attended

1. Three days course on “**Open Society Problems Computing Solutions in Python**”, conducted at BEC, under TEQIP – II by IIT Bombay, March 29-31, 2017
2. One day Seminar on “**Recent trends in Information and communication Technology**”, held at Department of Computer Science, Gulbarga University, Kalaburgi

3. Two days Orientation program on **“Entrepreneurship development and implementation of DEBM”**, Programme organized by EDII and BVVS, BGK, 26th to 27th Aug 2015.
4. Two weeks FDP on **“Integrated Six Sigma-Green Belt and Design for Six Sigma”**, jointly organized by dept of ISE and Mechanical Engineering, BEC, Bagalkot, 20th to 30th Jan 2014.
5. Two days workshop on **“Effective leadership for excellence”**, organized by IACE, Bangalore, 6th to 7th Feb 2014.
6. Three days FDP on **“Research issues in distributed sensor networks”**, organized by Dept of ISE, BEC, BGK, 22nd to 24th Aug 2013.
7. Three days National workshop on **“Technical documentation using Latex”**, organized by Dept of Electronics and Communication Engg, 27th to 29th May 2013.
8. Ten days course of Study approved by the Hogwarts School for **“Defence against the dark arts”**, 26 June 2008 to 4th July 2008, INFOSYS Training, Centre, Mysore.
9. One week STC on **“Oracle”** from 29th Jan 07 to 2nd Feb 07, NITTR, Chandigarh
10. Six days STTP on **“Advanced networking and hands on training in network administration with free software”**, conducted at PSG College of Technology, Coimbatore, and March 26-31, 2007.
11. 3 days FDP on **“Signal processing and its applications”** under TEQIP by Dept of IT, BEC, BGK, 9th to 11th Oct 2006.
12. Six days FDP on **“Digital signal processor and its applications”** under TEQIP by Dept of IT, BEC, BGK, 25th Sep to 30th 2006.
13. One week FDP on **“C# and .NET”** under TEQIP by Computer Science and Engineering Dept BEC, BGK, 1st to 6th June 2006.
14. Two days National level seminar **“Recent trends in Computers, Communications and Networking”** organized by Dept of Electronics and Communication Engg, BEC, BGK, 15th to 16th March 2005.
15. Two days National seminar on **“Technical education and challenges in the new millennium”**, organized by BEC, BGK, 3rd to 4th Nov 2001.
16. Two days National level Seminar on **“Fuzzy Techniques and their applications”**, Conducted by BIET Davanagere, 14th to 15th Dec 1996.

17. Four days' workshop on **“Telematics”** conducted by Dept of Electronics and Communication, BVB College of Engg and Tech, Hubli, 27th to 30th June 1995.

7. Awards

1. Best oral paper presentation award, **“Mathematical Morphology based Optic Disk detection in retinal fundus images”**, NCDISP, 12th and 13th Feb 2015, MIT Campus, Pune.
2. **Certificate of recognition**, Guiding of Innovative bus tracking mobile application, Step- Auto 2015 Software Testing Conference, 21st May 2015.
3. **Bronze partner faculty**, Campus Connect Program, Infosys, 2015.
4. **Bronze partner faculty**, Campus Connect Program, Infosys, 2014.
5. **Certificate of Participation**, Mentor of Team **“Magnanimous”**, IBM Academic Initiative, The great mind challenge, 2008.

8. Participation in other activities

1. BOS Member (Department level)
2. KSCST Coordinator (Department level)
3. BOE Coordinator (Department level)