

# BIODATA

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**TEACHING EXPERIENCE** : 20

**RESEARCH EXPERIENCE** : 18

**BOOKS PUBLISHED** : 1

**RESEARCH ARTICLES PUBLISHED** : **National and International Journals**

1. Ashok Gaikwad et al., 2006, "Edge Detection: Region Splitting and merging using Quadtree Decomposition Electronic Letter on Computer Vision and Image Analysis" ISBN/ISSN 1577-5097, Scopus.
2. Ashok Gaikwad et al., 2010, "Dynamic management of transactions in distributed real-time processing system", Int. Journal of Database Management Systems ISBN/ISSN 0975-5985
3. Ashok Gaikwad et al., 2010, "Detection of Drug Resistant Resistant Tuberculosis Bacteria Using Microarray Analysis 'Spotfinder'" Computer Vision and Technology advances and Application, ISBN: 978-93-80026-95-4
4. Ashok Gaikwad et al., 2013, "Passive Blind Image Forgery Detection Technique", Weekly science Research journal, 2321-7871
5. Ashok Gaikwad et al., 2013, "Today's University E-Learning Information Systems.", Weekly science Research journal, 2321-7871
6. Ashok Gaikwad et al., 2013, "Today's Digital Forensic Research Challenges", Weekly science Research journal, 2321-7871
7. Ashok Gaikwad et al., 2013, "Image Forgery Detection and Source Identification", Science park research journal ,2321-8045
8. Ashok Gaikwad et al., 2013, "Digital and Cyber Forensic Research: The Next 5 Years" Weekly science Research journal, 2321-7871
9. Ashok Gaikwad et al., 2013, "Digital Image Enhancement and Histogram Processing", International Journal of Innovations in Eng.&Tech.(IJET), 2319-1058
10. Ashok Gaikwad et al., 2014, Plant Classification based on leaf dimension biometric features using KNN technique, IJMER, 2277-7881.
11. Ashok Gaikwad et al., 2014, "A Review error detection and correction techniques in data communication network", Int.J. of Multidisciplinary Educational Research (IJMER), 2277-7881
12. Ashok Gaikwad et al., 2014, "Designing Execution Plan for Effective Run Time", Int.J.of Multidisciplinary Educational Research (IJMER), 2277-7881
13. Ashok Gaikwad et al., 2014, "Use Map Estimation for Image Sharpening", IOSR Journal of Computer Engineering, 2278-0661
14. Ashok Gaikwad et al., 2014, "Leaf features based plant classification using artificial neural network.", IBMRD's Journal of Management & Research, 2277-7830
15. Ashok Gaikwad et al., 2014, "Resent trends in Multilanguage speech processing", Golden Research Thoughts, 2231-5063

16. Ashok Gaikwad et al., 2016, "Plant Classification Based on Leaf Features", *IBMRD's Journal of Management & Research*, 2277-7830
17. Ashok Gaikwad et al., 2014, "Speech synthesis system applications based on HMM", *Research Dimension*, 2249-3867
18. Ashok Gaikwad et al., 2014, "Recent trends in Multilanguage speech processing", *Golden Research Thoughts*, 2231-5063.
19. Ashok Gaikwad et al., 2014, "Music style identification using shallow statistical descriptors", *Research Direction*, 2321-5488
20. Ashok Gaikwad et al., 2014, "Spotted words recognition system based on HMM( Hidden Markove Model)", *Review of Research*, 2249-894X
21. Ashok Gaikwad et al., 2014, "Hindi isolated word recognition system using MFCC and DTW", *Indian Streams Research Journal* 2230-7850
22. Ashok Gaikwad et al., 2015, "Review of Multimodal Biometric (Face & Iris Recognition)", *Advances in Computational Research* 0975-3273
23. Ashok Gaikwad et al., 2015, "Comparison of edge Detection Methods in Leaf Shape Analysis for plant Classification", *Gate to Computer Vision and Pattern Recognition*, 2408-0551
24. Ashok Gaikwad et al., 2016, "Survey pixel base forgery detection", *International Journal of Advanced Research in Basic and Applied Science*, 2394-4072
25. Ashok Gaikwad et al., 2016, "Multimodal Biometrics Enhancement Recognition System based on Fusion of Fingerprint and PalmPrint: A Review", *Global Journal of Computer Science and Technology*, 0975-4172
26. Ashok Gaikwad et al., 2017, "Iris Feature Extraction and Matching by using Wavelet Decomposition and Hamming Distance", *International Journal of Computer Applications*, 0975-8887
27. Ashok Gaikwad et al., 2017, "Automatic Color Object Detection and Learning using Continuously Adaptive Mean Shift with Color, Scale and Direction" *International Journal of Computer Applications*, 0975-8887
28. Ashok Gaikwad et al., 2017, "Study on Automatic Color Object Learning and Detection through Acoustic Instructions", *International Journal of Engineering Research & Technology (IJERT)*, 2278-0181
29. Ashok Gaikwad et al., 2017, "Image Inconsistency Detection Using Local Binary Pattern (LBP)", *Proceeding Computer Science*, 1877-0509, Scopus
30. Ashok Gaikwad et al., 2017, "Multi-Algorithm of Palmprint Recognition System Based on Fusion of Local Binary Pattern and Two-Dimensional Locality Preserving Projection", *Proceeding Computer Science*, 1877-0509, Scopus
31. Ashok Gaikwad et al., 2017, "Plant classification based on leaf Shape features using Neural Network", *International Journal of Advance Research in Science and Engineering*, Online: 2319-8354 Print: 2319-8346
32. Ashok Gaikwad et al., 2018, "An Approach to Improve Palmprint Recognition Accuracy by using Different Region of Interest Methods with Local Binary Pattern Technique" *Indian Journal of Science and Technology*, 0974-5645, Scopus, Wos.
33. Ashok Gaikwad et al., 2018, "A Review: Palmprint Recognition Process and Techniques", *International Journal of Applied Engineering Research*, 0973-4562, Scopus
34. Ashok Gaikwad et al., 2018, "Analysis of Image Inconsistency based on Discrete Cosine Transform (DCT)", *ICTIS 2018*, 2190-3018, Scopus
35. Ashok Gaikwad et al., 2018, "Enhancing of data retrieval by means of Database Query Analyzer (DBQA)", *ICTIS 2018*, 2190-3018, Scopus
36. Ashok Gaikwad et al., 2017, "Leaf Image Processing for Venation Extraction For Plant Classification", *IOSR Journal of Computer Engineering*, 2278-0661, print-ISSN: 2278-8727

37. Ashok Gaikwad et al., 2018, "Palmpoint Identification and Verification System Based on Euclidean Distance and 2D Locality Preserving Projection Method", Advance in Intelligent system and Computing, 2194-5357
38. Ashok Gaikwad et al., 2017, "A Robust Voice-Based Color Object Detection System for Robot", In Innovations in Computer Science and Engineering, ISSN 2367-3370, ISBN 978-981-10-8201-6 (eBook), scopus
39. Ashok Gaikwad et al., 2018, "Design and analysis of Integrated Fingerprint – Palmpoint Recognition for Person Identification Based on Multi-Feature Fusion", The Visual Computer, Springer,0178-2789, WoS& Scopus
40. Ashok Gaikwad et al., 2018, "Performance Evaluation of Multi-Features of Fingerprint Identification System Based on Feature Level and Score Level Fusion", Multimedia Tools and Application, Springer, 1380-7501, WoS& Scopus

**RESEARCH PAPER PRESENTED : National and International Conferences**

1. Ashok Gaikwad et al., 2007, "Improving microarray spots for gene determination using morphological technique. International Conference on Advances in Computer Vision and Information Technology", In proceeding of International Conference on Advances in Computer Vision and Information Technology,(ACVIT-07), ISBN: 978-81-89866-74-7
2. Ashok Gaikwad et al., 2006, "Edge detection: Region splitting and merging using Quad-tree Decomposition", Proc. Of National conference. On CSIP
3. Ashok Gaikwad et al., 2009, "Application of Hill-Climbing Algorithm for Realignment of MRI Images", 2nd International Conference on Advances in Computer Vision and Information Technology (ACVIT-2009) ISBN: 978-93-80026-95-4
4. Ashok Gaikwad et al., 2009, "Detection And Counting Of Tuberculosis Bacterial cell Using Image Processing", 2nd International conference, Advanced in Computer Vision and Information Technology (ACVIT-09), ISBN: 978-93-80026-95-4
5. Ashok Gaikwad et al., 2010, "Management of missed transactions in a distributed system through Simulation", 3rd IEEE Int. Conf. on Computer Science and Information Technology(ICCSIT 2010), ISBN: 978-1-4244-5537-9, Scopus
6. Ashok Gaikwad et al., 2013, "A Review of Query Optimization Techniques in Different Databases", International Conference on Interface of Information Technology, ISBN: 978-93-82880-60-8
7. Ashok Gaikwad et al., 2013, "A survey on Digital Image Forgery Detection Techniques and Forensic Methods" International Conference on Interface of Information Technology, ISBN: 978-93-82880-60-8
8. Ashok Gaikwad et al., 2015, "Leaf Venation Extraction for plant Classification", NCDISP,
9. Ashok Gaikwad et al., 2015, "Leaf shape extraction for plant classification.", International Conference In Pervasive Computing (ICPC) IEEE, ISBN:978-1-4799-6272-3, Scopus
10. Ashok Gaikwad et al., 2017, "Plant classification based on leaf Shape features using Neural Network", International Conference on resent Innovation in (ICRISEHM-17), ISBN:978-93-86171-65-8
11. Ashok Gaikwad et al., 2017, "Leaf Venation Extraction by Morphological operation for plant Classification", ICKE-2017, 978-93-86751-04-1
12. Ashok Gaikwad et al., 2017, "Image inconsistency Detection Based on Gradient direction", ICKE-2017, 978-93-86751-04-1
13. Ashok Gaikwad et al., 2017, "A Review: Palm print Recognition Process and Techniques", ICKE-2017, 978-93-86751-04-1
14. Ashok Gaikwad et al., 2016, "Overview of fingerprint recognition system.", International Conference on In Electrical, Electronics, and Optimization Techniques (ICEEOT), ISBN: 978-1-

4673-9939-5, Scopus

15. Ashok Gaikwad et al., 2016, “Study of Age Detection Methods based on Palmprint lines”, International Conference on In Electrical, Electronics, and Optimization Techniques (ICEEOT), ISBN: 978-1-4673-9939-5, Scopus
16. Ashok Gaikwad et al., 2016, “Fingerprint Recognition for Person Identification and Verification Based on Minutiae Matching”, IEEE 6th International Conference on Advanced Computing (IACC), Bhimavaram, ISBN:978-1-4673-8286-1, Scopus
17. Ashok Gaikwad et al., 2017, “Image inconsistency detection using histogram of orientated gradient (HOG)”, IEEE 1st International Conference on In Intelligent Systems and Information Management (ICISIM), 2017, ISBN:978-1-5090-4264-7, Scopus
18. Ashok Gaikwad et al., 2017, “Acoustic instructions for the design of an automatic color object learning and detection system for robotics”
19. 4th IEEE International Conference on In Electrical, Computer and Electronics (UPCON), 2017, ISBN:978-1-5386-3004-4, Scopus
20. Ashok Gaikwad et al., 2017, “DBQA: Multi-environment Analyzer for Query Execution Time and Cost”, International Conference on Current Trends in Computer, Electrical, Electronics & Communication(ICCTCEEC), ISBN:978-1-5386-3243-7, Scopus
21. Ashok Gaikwad et al., 2018, “Comparative Study of Different Fingerprint Classification Techniques”, IEEE EECCMC, ISBN:978-1-5386-4304-4, Scopus
22. Ashok Gaikwad et al., 2018, “Classification of Plants Using Leaf Venation Features”, eITBM-2018.
23. Ashok Gaikwad et al., 2018, “Plant Classification Using Image Processing and Neural Network”, ICDMAT-2018, ISSN-2194-5357
24. Ashok Gaikwad et al., 2018, “Classification of Plants by Using Invariant Features and Neural network”, ICTIS-2018, ISSN:2190-3018
25. Ashok Gaikwad et al., 2008, “Centering and Realignment of MRI Images Using Bisection Algorithm”, National Conference on Emerging Trends in Information Technology

**RESEARCH STUDENTS** : 1) REGISTERED - 7  
2) THESIS SUBMITTED - 1  
3) AWARDED - 2

**INVITED / SPECIAL LECTURES** : 5

**VISITS ABROAD** : Sri Lanka & Thailand

**ANY OTHER** : Patent Details  
1. “SYSTEM FOR THOUGHT BASED COMMUNICATION”, INDIA–Patent Application No. 201621005217/15-02-2016 (Status: Filed)  
2. AN EMERGENCY VEHICLE TRANSIT AND PUBLIC ALERT SYSTEM THEREOF”, INDIA-Patent Application no 2017201010262 / 23-03-2017 (Status: Filed)  
Awards  
1. Dewang Mahata National Education Award 2017

**2. I2OR Academic Leadership Awards  
Oct. 2017**

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