

## Profile

- **Name** : Dr. Arjun Vithalrao Mane
- **College** : Government Institute of Forensic Science, Nagpur
- **Department** : Digital and Cyber Forensic
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- **Membership** : Senior Member IEEE (80535873)

Educational Qualification				
Qualification	Subject / 's	University	Year	Grade
BSc	Physics, Maths, Computer Science	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2004	First Class
MSc	Computer Science		2006	First Class
PhD	Computer Science		2010	
PhD Thesis Title : “Development of Human Face Recognition Technique for Digital Rights Management Based On Principal Component Analysis (PCA)”				

Career profile		
Teaching Experience	Area of Interest	Courses and Subjects taught
07 Yrs	Biometrics, Image Processing	<u>B. Sc. Computer Science</u> : Applied Mathematics, Linear Algebra <u>M. Sc. Computer Science</u> : Object Oriented Programming in C++, Operation Research, Numerical Methods, Discrete Mathematics <u>B. Sc. Forensic Science</u> : Digital and Cyber Forensic <u>M. Sc. Forensic Science</u> : Biometrics, Image Processing

Publications
Conferences
1. Sandeep Gaikwad, Amol Vibhute, Karbhari Kale and Arjun Mane, “Vegetation cover classification using Sentinel-2 time-series images and K-Means clustering”, The 3rd IEEE Bombay Section Signature Conference (IBSSC-2021), November 18-20, 2021 ( <b>Accepted</b> )  2. A. D. Vibhute, S. V. Gaikwad, K. V. Kale and <b>A. V. Mane</b> , "Hyperspectral Image Unmixing for Land Cover Classification," 2021 IEEE India Council International Subsections Conference (INDISCON), 2021, pp. 1-5, doi: 10.1109/INDISCON53343.2021.9582217.

3. S. D. Raut, V. T. Humbe and **Arjun V. Mane**, "Development of biometric palm vein trait based person recognition system: Palm vein biometrics system," 2017 1st International Conference on Intelligent Systems and Information Management (ICISIM), Aurangabad, India, 2017, pp. 18-21. doi: 10.1109/ICISIM.2017.8122140
4. B. V. Mane, **Arjun V Mane**, and K V Kale "Automated Face Recognition: A Multi Feature Space Approach", National Conference on Advances in Computing, Jalgaon 24-25 MARCH, 2017.
5. Vijaya Kale, **Arjun V Mane**, R. R. Manza, K. V. Kale, "Segmentation of Remote Sensing Image for Identification of Vegetation", Map Asia 2010, 9th Annual Asian Conference and Exhibition on Geospatial Information, Technology and Application, International Conference, July 26th to July 28th 2010, at Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia.
6. Shaikh Abdul Hannan, **Arjun V. Mane**, R. R. Manza , R. J. Ramteke, "Prediction of Heart Disease Medical Prescription Using Radial Basis Function", IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) 28th and 29th December, 2010, Coimbatore, Tamilnadu India
7. **Arjun V Mane**, Ramesh R Manza, and K V Kale "Analysis of Principal Component Analysis (PCA) based Face Recognition: Effects of Similarity Measure", First International Conference on VLSI, Communication, Computation And Security, Karunya University, Coimbatore, Tamil Nadu 2010.
8. **Arjun V Mane**, M M Kazi, Ramesh R Manza, and K V Kale "Human Face Recognition Using Superior Principal Component Analysis (SPCA)", International Symposium on Computer Engineering & Technology (ISCET), RIMT - IET, Mandi Gobindgarh 2010.
9. **Arjun V Mane**, Ramesh R Manza, and K V Kale "Rank Normalization for Principal Component Analysis Based Face Recognition", NCETACS, 2010 Shillong
10. Ganesh Magar, **Arjun V Mane**, "Application of Multiresolution Technique for SAR image compression", Proceeding of National conference on Recent Trends in Information Technology, Govt. College Mandya (KA) 2009
11. **Arjun V Mane**, Ramesh R Manza, and K V Kale "Human Face Recognition for Digital Rights Management: An Overview", Proceeding of National conference on Emerging Trends in Information Technology, VIIT Baramati 2006
12. **Arjun V Mane** "Detection of Information from OMR Sheet", in Proc. Of National conference (TSYGECA06) Organized by Govt. College of Engineering Aurangabad, PP. 27-28, 2006.
13. **Arjun V Mane**, Pramod C Kalshetti, and Kishor S Gund, "E-Elections of University Authorities: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad as per Maharashtra University Act1994" in Proc. of National conference (CSIP) Organized by J. N. E. College, Aurangabad, 2006.

#### **Journal**

1. B. V. Mane, **Arjun V Mane**, and K V Kale, "Multimodal Biometric Recognition System Based on Face and Voice: A Hybrid Approach", Journal of Basic Sciences, March 2017, Pages 1-6

2. **Arjun V Mane**, Yogesh S Rode, and K V Kale, "Novel Multiple Impression based Multimodal Fingerprint Recognition System", International Journal of Computer Applications, Volume 27– No.8, August 2011 Pages 26-30.
3. M J Baheti, **Arjun V Mane**, M S Hannan and K V Kale, "Comparison of PCA and SVM for a West Indian Script-Gujarati", CiiT International Journal of Digital Image Processing, Vol 3, No 11, July 2011 Pages 709-715.
4. M M Kazi, **Arjun V Mane**, Ramesh R Manza, and K V Kale, "Comparison of fingerprint enhancement techniques through Mean Square Error and Peak-Signal to Noise Ratio", International Journal on Computer Science and Engineering, Vol. 3 No. 1 Jan 2011, Pages 266-270
5. **Arjun V Mane**, Ramesh R Manza, and K V Kale "The Role of Similarity Measures in Face Recognition", International Journal of Computer Science and Application IJCSA-2010, Vol. 1, Pages: 62-65.
6. **Arjun V Mane**, Ramesh R Manza, and K V Kale "Human Face Recognition Using Superior Principal Component Analysis (SPCA)", IJCTE IACSIT Vol. 2, No 5, October, 2010, Pages: 688-691
7. **Arjun V Mane**, Ramesh R Manza, and K V Kale "Analysis of Principal Component Analysis (PCA) based Face Recognition: Effects of Similarity Measure", International Journal on Information & Communication Technologies, Vol.3 No.3-4, July-December 2010, Pages: 259-263.

#### **Book**

**Mane Arjun**, Kale Karbhari, "Face Recognition Using Principal Component Analysis", LAP Lambert Academic Publishing, United State (ISBN 13: 9783659673641)