Pravin Yannawar, Ph.D.
Professor,
(DST-FAST TRACK YOUNG SCIENTIST)
Vision and Intelligent System Lab
Department of Computer Science and Information Technology,
Director, University Network and Information Centre (UNIC). Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar - 431004
✉ plyannawar.csit@bamu.ac.in (institutional),
✉ director.unic@bamu.ac.in (institutional)
✉ pravinyannawar@gmail.com (personal)
✆Phone: 7972641590 (Call) / 9822330739 (WA)
www.bamu.ac.in / www.acvait.org

Citation Index
1. Total Google Scholar Citations: 1535 and 1008 (Since 2019)
2. H-Index / H10 Index: 17 / 28 (Google Scholar)
3. Scopus Citations: 343, H-Index: 12 | WoS Citations: 143, H-Index 07

Patents
1. System for thought-based communication, India – Patent Application no. 201621005217/15-02-2016 (**status: published)**
2. Device for performing optical angiography of retinal images, India - Patent application no 201721003315 / 30-01-2017 (**status: published**)
3. An emergency vehicle transit and public alert system thereof, India - Patent application no 2017201010262 / 23-03-2017 (**status: published**)
4. UID based preferential electronic voting machine and system thereof, India - Patent application no 201721023260 / 07-03-2017 (**status: published**)
5. Optimized deep convolution neural networks-based object detection for blind and visually impaired people India - patent application no 202121009659 / 08-03-2021 (**status: published**)

Journal Reviewer/Editor
- Reviewer to Springer Journal of Medical Systems
- Reviewer to Elsevier Journal of King Saud University - Computer and Information Sciences
- Reviewer to Springer Journal of Pattern Recognition and Artificial Intelligence (JPRAI)
- Reviewer to Springer Journal of Machine Learning and Cybernetics (JMLC)
- Reviewer to Springer Journal of Multimedia Tools and Application (JMTAP)
- Associate Editor of Frontiers of Robotics and Artificial Intelligence, special Issue of Recent Trends in Image Processing and Pattern Recognition

Professional Membership
- Member of IUPRAI (Indian Unit of Pattern Recognition and Artificial Intelligence), Indian Statistical Institute Kolkata (**L188**)
- Member of IETE (Institution of Electronics and Telecommunication Engineers) (**M-204447**)
- Member of International Association of Engineers, Hong Kong (**63085**)
- Member of ACM-CSTA (Computer Science Teachers Associations) (**9986863**), USA
- Member of IACSIT, Singapore (International Association of Computer Science and Information Technology, Singapore) (**80331561**)

Awards and Prizes
- First Prize in **Inter University State Level Research Festival "AVISKAR-2009"**, organized by University of Solapur, Solapur (MS) for "Identifying Criminals using Facial Expression" under Teacher Category for Engineering and Technology Branch.
- '**Vidyabhushan**' Award 2010, by INSA (Indian NET-SET Association, Amravati)

Books Published/Edited
- Ramesh Manza, Bharti Gawali, Pravin Yannawar, Filbert Juwono, Proceedings of Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022), ATALANTIS PRESS ISBN 978-94-6463-195-1. ISSN 2731-7870, DOI https://doi.org/10.2991/978-94-6463-196-8. (**Published**)
- Ramesh R Manza, Bharti W Gawali, Pravin Yannawar, KC Santosh, Detection and Classification of Non-Proliferative Diabetic Retinopathy Lesion, Medical Imaging: Artificial Intelligence, Image Recognition, and Machine Learning Techniques, CRC Press, 2019 (**Book Chapter**)
- Glaucoma Diagnosis in the vision of Biomedical Image Analysis, Shroff Publications Pvt Ltd Delhi, ISBN 9789352135196, May 2017
- Understanding Programming Aspects of Diabetic Retinopathy Lesion using MATLAB, Shroff Publications Pvt Ltd Delhi, ISBN 9789352135202, May 2017
- Understanding Programming Aspects of Pattern Recognition using MATLAB, Shroff Publications Shroff Publications Pvt Ltd Delhi, ISBN- 9789352133307, April 2016
- Understanding MATLAB, Shroff Publishers Pvt Ltd Delhi, ISBN-9789350237199, April 2013
- Emerging Trends in Information Technology, Amol C Goje, Shivanand Gornale, Pravin Yannawar, IK International Publishing House Pvt. Ltd, ISBN-978-81-89866-63-1

Conferences / Refresher Course / Workshop Organized
- Organized First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022) as Organizing Secretary, 31 July – 2 Aug 2022

- Organized Pre-Conference workshop on Pattern Analysis and Machine Intelligence (PAMI), First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022) as Organizing Secretary, 31 July 2022
- Organized third Biennial international conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020) as Organizing Secretary, 2-4 Jan 2020
- Coordinator of AICTE ATAL Academy Faculty Development Program on Current Trends in Internet of Things (CTIoT2022), 25-10-2021 to 29-10-2021
- Coordinator UGC HRDC Refresher Course on E-Governance and E-Learning, 01-17 Aug 2022

Research Project Undertaken / Completed

- Ongoing
  - Major research project on Establishment of Science Technology and innovation hub for empowerment of SC/ST populations, sanctioned by Department of Science and Technology, Science for Equity Empowerment and Development Division, Govt. of India. (Project Cost Rs 2,61,86,209/- out of which, Principal investigator for CSTURI Component grant of Rs **1,20,00,000**/-) (2019-2022)
  - Research Project Sanction under CSR (Corporate Social Responsibility) by ATA Freight Pvt Ltd Pune entitled "Biomedical Image Processing Approach Towards the study of Varying Temperature of Human body associated with health disorders", **5,00,000/-**, (2020-21)
- Completed
  - Minor Research project funded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for Emergency vehicle transit and public alert system using IoT (Project Cost 2,50,000/-, Duration 2019-2021)
  - Additional principal chief conservator of forest and Silviculturist sponsored major research project entitled Web Data Management system of Forest Plant Resources of Rs. 3.00 Lakhs (Duration Apr 2015-17).
  - DST Sponsored Major research Project under FAST TRACK SCHEME FOR YOUNG SCIENTIST entitled "Analysis of Visual Speech using Multiple Camera Angles for Audio Visual Speech Recognition" of Rs. 17.62 Lakhs. (Duration June 2013-16)
  - Co-Investigator for Pune University Pune Research Project "Biometric fingerprint Recognition System"- Financial Assistance Rs. 3 Lakhs By Pune University Pune
  - Co-Investigator for Pune University Pune Research Project "Low-Cost OMR (Optical Mark Recognition) Technology for Examinations"- Financial Assistance Rs 3 Lakhs By University of Pune

Refresher and Orientation Courses

1. Refresher Course in Information Technology, Organized by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 07-30th March 2009
2. 87th Orientation course, Organized by Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 2nd-29th June 2011.
3. Refresher course in E-Governance and E-Learning, organized by UGC-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 04-09-2013 to 27-09-2013.
4. Refresher course in E-Governance and E-Learning, organized by UGC-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 07-11-2014 to 26-11-2014

Research Guidance

Ph.D   Awarded: 06   Working: 04
M.Phil Computer Science   Awarded: 06

1. Ph.D in Computer Science
   1. Prashant Borde   (Awarded / 2017)
   2. Sadanand Kulkarni   (Awarded / 2017)
   3. Pradip Salve   (Awarded / 2020)
   4. Suraj Pardeshi   (Awarded / 2023)
   5. Rasika Deshmukh   (Awarded / 2024)
   6. Ahmed Shareef   (Awarded / 2024) – Foreign Student
   7. Subodh Kumar Jha   (In Progress)
   8. Santosh Pandure   (In Progress)
   9. Vaishali Bankar   (In Progress)
   10. Diksha Pawar   (In Progress)
2. MPhil Computer Science
   1. Amarsinh Varpe   (Awarded)
   2. Salve Pradip   (Awarded)
   3. Ashok Sangle   (Awarded)
   4. Bali Thorat   (Awarded)
   5. Santosh Pandure   (Awarded)
   6. Sheetal Dehare   (Awarded)

Research Publications

1. **Research Publications**
   Year 2024
   01. Diksha Pawar, Prashant Borde, Pravin Yannawar, generating dynamic lip-syncing using target audio in a multimedia environment, Elsevier Natural Language Processing Journal, Volume 8, September 2024, 100084
   02. Rasika Deshmukh, Pravin Yannawar, Deep learning-based person authentication system using fingerprint and brain wave, Elsevier International Journal of Computing and Digital Systems, 15 (1),

723-739.

03. S Shaikh, R Manza, P Yannawar, B Gawali, N Shaikh, Enhancing Diagnostic Accuracy with a Novel Computer Application for Quantitative Analysis of Bio-Medical Infrared Thermal Images, Journal Of Advanced Applied Scientific Research, 6 (3)

Year 2023

01. Rasika Deshmukh, Pravin Yannawar, AVAO Enabled Deep Learning Based Person Authentication Using Fingerprint, Proceedings of the First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022), AISR 176, pp 327-346, 2023. **(Book Chapter)**

02. Diksha Pawar, Pravin Yannawar, Recent Advances in Audio-Visual Speech Recognition: Deep Learning Perspective, Proceedings of the First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022), AISR 176, pp 409-421, 2023. **(Book Chapter)**

03. Ahmed Abdullah A Shareef, Pravin L Yannawar, Antar Shaddad H Abdul-Qawy, Hashem Al-Nabhi, Ravindra B Bankar, Deep Learning Based Model for Fire and Gun Detection, Proceedings of the First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022), AISR 176, pp 422-430, 2023. **(Book Chapter)**

04. Suraj Pardeshi, Nikhil Wagh, Kailash Kharat, Vikul Pawar and Pravin Yannawar, A Novel Approach for Object Detection Using Optimized Convolutional Neural Network to Assist Visually Impaired People, Proceedings of the First International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVAIT 2022), AISR 176, pp 187-207, 2023. **(Book Chapter)**

05. Rasika Deshmukh, Pravin Yannawar, Deep learning-based person authentication system using fingerprint and brain wave, International Journal of Computing and Digital Systems, Vol 14 (1), 2023.

Year 2022

01. AAA Shareef, PL Yannawar, ASH Abdul-Qawy, ZAT Ahmed, YOLOv4-Based Monitoring Model for COVID-19 Social Distancing Control, Smart Systems: Innovations in Computing, 333-346, 2, 2022

02. SP Bedre, SK Jha, C Patil, M Dhopeshwarkar, A Gaikwad, P Yannawar, Keyword Recognition from EEG Signals on Smart Devices a Novel Approach, Mobile Computing and Sustainable Informatics, 33-53, 2022 **(Book Chapter),** Springer Nature

03. P Salve, P Yannawar, M Sardesai, Multimodal plant recognition through hybrid feature fusion technique using imaging and non-imaging hyper-spectral data, Journal of King Saud University-Computer and Information Sciences, Vol 34, 2022 (**Impact Factor 8.1**)

Year 2021

01. Pradip Salve, Milind Sardesai, Pravin Yannawar, Combining Multiple Classifiers Using Hybrid Votes Technique with Leaf Vein Angle, CNN and Gabor Features for Plant Recognition, International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020), Communications in Computer and Information Science, Springer, Singapore **(Book Chapter)**, Online ISBN 978-981-16-0493-5, 2021, pp 313-331

02. Sadanand A Kulkarni, Pravin L Yannawar, Recognition of Partial Handwritten MODI Characters Using Zoning, Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020), Communications in Computer and Information Science, Vol 1380, pp 407-431, Springer, Singapore **(Book Chapter)**, Online ISBN 978-981-16-0507-9

03. Ahmed AA Shareef, Pravin L Yannawar, Recent Advances in IoT Based Smart Object Detection and Its Authentication by BlockChain Approaches, Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020), Communications in Computer and Information Science **(Book Chapter)**, Springer, Singapore, Vol 1380, pp 33-43, Online ISBN 978-981-16-0507-9

04. Shivanand S Gornale, Ashvini K Babaleshwar, Pravin L Yannawar, Extraction of Key Frame from Random Videos Based On Discrete Cosine Transformation, Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020), Communications in Computer and Information Science **(Book Chapter)** Springer, Singapore, Vol 1380, PP 270-278, Online ISBN 978-981-16-0507-9

05. Vivek Mahale, Pravin Yannawar, Ashok Gaikwad, Copy-Move Image Forgery Detection Using Discrete Wavelet Transform, Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2020) Communications in Computer and Information Science **(Book Chapter)**, Springer, Singapore, Vol 1380, pp 158-168, Online ISBN 978-981-16-0507-9

06. Ahmed Abdullah A Shareef, Pravin L Yannawar, Zeyad AT Ahmed, Ali Mansour Al-madani, Applying Blockchain Technology to Secure Object Detection Data, Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV), IEEE Explore, DOI 10.1109/ICICV50876.2021.9388473

07. A Shareef, Ahmed Abdullah, Pravin L Yannawar, Antar Shaddad H Abdul-Qawy, YOLOv4-based Monitoring Model for COVID-19 Social Distancing Control, Elsevier International Journal of Computing and Digital System, ISSN 2210-142X, (Elsevier Journal)

08. Sushil Pandharinath Bedre, Subodh Kumar Jha, Chandrakant Patil, Mukta Dhopeshwarkar, Ashok Gaikwad, Pravin Yannawar, Keyword Recognition from EEG Signals on Smart Devices a Novel Approach, Mobile Computing and Sustainable Informatics. Lecture Notes on Data Engineering and Communications Technologies (Book Chapter), Springer, Singapore, 2022, Online ISBN 978-981-16-1866-6

Year 2020

01. Prashant Borde, Sadanand Kulkarni, Bharti Gawali, Pravin Yannawar, Recognition of Isolated Digit Using Random Forest for Audio-Visual Speech Recognition, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (2020), Springer, https://doi.org/10.1007/s40010-020-00724-7 (Springer Journal) **(Impact Factor 1.5)**

02. Shivanand S Gornale, Ashvini K Babaleshwar, Pravin L Yannawar, Automatic Traffic Sign Detection and Classification of Indian Traffic Signage's Based on Multi-feature Fusion, Advances in

Cybernetics, Cognition, and Machine Learning for Communication Technologies, pp 209-219, Springer, Singapore, 2020

Year 2019

01. Shivanand S Gornale, Ashvini K Babaleshwar, Pravin L Yannawar, Analysis and Detection of Content based Video Retrieval, International Journal of Image, Graphics & Signal Processing, Vol 11(3), pp 43-57, 2019,

02. Shivanand S Gornale, Ashvini K Babaleshwar, Pravin L Yannawar, Content Based Video Retrieval for Indian Traffic Signage's, International Journal of Computer Sciences and Engineering, Vol 7(5), E-ISSN: 2347-2693, 2019

03. Mouad MH Ali, AT Gaikwad, Pravin L Yannawar, Palmprint Identification and Verification System Based on Euclidean Distance and 2D Locality Preserving Projection, Springer Recent Findings in Intelligent Computing Techniques, Vol 1, pp 205-216, 2019

04. Vivek Mahale, Mouad MH Ali, Pravin L Yannawar, Ashok Gaikwad, Analysis of Image Inconsistency Based on Discrete Cosine Transform (DCT), Springer Information and Communication Technology for Intelligent Systems, pp 563-571, 2019

05. Kishor S Jeve, Ashok T Gaikwad, Pravin L Yannawar, Amol B Kumbhar, A Robust Voice-Based Color Object Detection System for Robot, Springer Innovations in Computer Science and Engineering pp 105-112, 2019, (Online ISBN 978-981-10-8201-6)

Year 2018

01. Pradip Salve, Milind Sardesai, Pravin Yannawar, "Multimodal Plant Recognition through hybrid feature fusion technique using Imaging and Non-Imaging Hyperspectral data", **Elsevier** Journal of King Suad University, Computer and Information Sciences, Oct 2018

02. Shivanand S Gornale, Ashvini K Babaleshwar, Pravin L Yannawar, "Detection and Classification of Signage's from Random Mobile Videos Using Local Binary Patterns", International Journal Image, Graphics and Signal Processing, 2018, 2, 52-59

Year 2017

01. Mouad M.H Ali, Pravin Yannawar, A.T Gaikwad, "Multi-Algorithm of palmprint recognition system based on fusion of local binary pattern and two dimensional locality preserving projection", Elsevier Procedia of Computer Science, Vol (115), pp 482-492, ISSN: 1877-0509

02. Vivek H Mahale, Pravin Yannawar and Ashok Gaikwad, "Image Inconsistency Detection using Local binary Patterns", Elsevier Procedia of Computer Science, Vol (115) PP – 501-508, ISSN: 1877-0509

03. Vivek H Mahale, Pravin Yannawar and Ashok Gaikwad, "Image Inconsistency detection using histogram of oriented gradients (HOG)", IEEE-International Conference on Intelligent System and Information Management, PP 22-25, ISBN-978-1-5090-4264-7

04. Shashibala Tarigopula, Pravin Yannawar, Bharti Gawali, Execution and performance evaluation of cognitive and expressive event on a Robotic arm, IEEE International Conference in Information Communication, Instrumentation and Control, 17-19 August 2017 (Accepted for Oral Publication)

05. Sadanand Kulkarni, Prashant Borde, Ramesh Manza, Pravin Yannawar, Text line segmentation of Hadwritten Historical MODI documents, International Journal of Information Communication and Computing Technology, Vol (5), pp 285-291, ISSN 2347-7202

06. Kishore Jeve, Ashok Gaikwad, Pravin Yannawar, Automatic Color Object Detection and Learning using Continuously Adaptive Mean Shift with Color, Scale and Direction, International Journal of Computer Application, Volume 165 (11), pp 1-3 ISSN -0975-8887

Year 2016

01. Sadhana Sukale, Prashant Borde, Shivanand Gornale, Pravin Yannawar, Recognition of Isolated Marathi words from Side Pose for multi-pose Audio Visual Speech Recognition, ADBU Journal of Engineering Technology, Vol (1),2016

02. Pradip Salve, Milind Sardesai, Ramesh Manza, Pravin Yannawar, Identification of the Plants Based on Leaf Shape Descriptors, Springer Proceedings of the Second International Conference on Computer and Communication Technologies, ISBN 978-81-322-2516-4 Vol 379 Series ISSN 2194-5357, Springer India. (Book Chapter)

03. Mouad MH Ali, Vivek H Mahale, Pravin Yannawar, AT Gaikwad, Overview of fingerprint recognition system, IEEE International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), 3-5 March 2016, ISBN 978-1-4673-9939-5 (IEEE Explore)

04. Mouad MH Ali, Pravin Yannawar, AT Gaikwad, Study of edge detection methods based on palmprint lines, , IEEE International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), 3-5 March 2016, ISBN 978-1-4673-9939-5 (IEEE Explore)

05. Manisha Amlekar, Ramesh R Manza, Pravin Yannawar, Ashok T Gaikwad, Plant Classification Based on Leaf Features, IBMRD's Journal of Management & Research, Vol 5(1), p 30-34 ISSN 2348-5922

06. Mouad MH Ali, Vivek H Mahale, Pravin Yannawar, AT Gaikwad, Fingerprint Recognition for Person Identification and Verification Based on Minutiae Matching, IEEE 6th International Conference on Advanced Computing (IACC), 27-28 Feb. 2016, ISBN 978-1-4673-8286-1, pp 332-339 (IEEE Explore).

07. Prashant Borde, Ramesh Manza, Bharti Gawali and Pravin Yannawar. Article: 'vVISWa' – A Multilingual Multi-Pose Audio Visual Database for Robust Human Computer Interaction. International Journal of Computer Applications 137(4):25-31, March 2016. Published by Foundation of Computer Science (FCS), NY, USA

Year 2015

01. Prashant Borde, Amarsinh Varpe, Ramesh Manza, Pravin Yannawar, "Recognition of Isolated Words using Zernike and MFCC features for Audio Visual Speech Recognition", **Springer** International Journal of Speech Technology, DOI 10.1007/s10772-014-9257-1,Print ISSN 1381-2416, 2015.

02. Amarsinh Varpe, Prashant Borde, Pallavi Pardeshi, Sadhana Sukale, Pravin Yannawar, "Analysis of Induced Color for Automatic Detection of ROI Multipose AVSR System", **Springer** International conference on Information System Design and Intelligent Application, DOI 10.1007/978-81-322-2247-7_54, 2015, West Bengal. **(Book Chapter)**

03. Sadanand Kulkarni, Prashant Borde, Ramesh Manza, Pravin Yannawar, "Offline MODI Character Recognition Using Complex Moments" **Elsevier**, Second International Symposium on Computer Vision and the Internet (VisionNet'15) (VisionNet-2015), Kochi

04. Sadanand Kulkarni, Prashant Borde, Ramesh Manza, Pravin Yannawar, "Impact of Zoning on Zernike Moments for Handwritten MODI Character Recognition", IEEE International Conference on Computer, Communication and Control, MGI Indore, 2015.

05. Sadanand Kulkarni, Prashant Borde, Ramesh Manza, Pravin Yannawar "Review on Recent Advances in Automatic Handwritten MODI Script Recognition", International Journal of Computer Applications (IJCA) April 2015.

06. Prashant Borde, Sadanand Kulkarni, Ramesh Manza, Pravin Yannawar, "Analysis of Visual Isolated Words Using Geometric and Fourier Features for Audio Visual Speech Recognition" 2nd National Conference on Natural Language Processing and Data mining, Surat, 2015.

07. Bali Thorat, Ganesh Manza, Pravin Yannawar, "Automatic Detection of Facial expressions from Video Streams", International Journal of Computer Applications, Volume 121 – No.22, July 2015.

08. Pradip Salve, Milind Sardesai, Pravin Yannawar, "Identification of the Plants Based on Leaf Shape Descriptors", Springer Second International Conference on Computer Communication Technologies, 24-26 July 2015 (IC3T, 2015) **(Book Chapter)**

Year 2014

01. Amarsinh Varpe, Prashant Borde, Ramesh Manza, Pravin Yannawar, "Automatic Isolation of Region of Interest for Multipose Audio Visual Speech Recognition", IEEE International Conference on - INDICON 2014, Pune, ISBN**:** 978-1-4799-5365-3

Year 2013

01. Manisha Amlekar, R R Manza, P L Yannawar, "Leaf Classification based on Leaf Dimension biometric features of leaf shape using k-means classifier", Proceedings of National Conference on Advances in Computing (NCAC-13), Organized by Department of Computer Science, North Maharashtra University, Jalgaon, 05-06 March 2013, ISBN 2277-7830

02. Manisha Amlekar, R R Manza, A T Gaikwad, P L Yannawar, "Leaf vein features based plant classification using artificial neural network", First International Conference on Interface of Information Technology, Ahmednagar, 23-25 Sept 2013. ISBN: 978-93-82880-60-08

03. Kanchan Shende, B. W Gawali, P L Yannawar, "Band Seperation of Satellite images using k-means clustering", Proceedings of National Conference on Advances in Computing (NCAC-13), Organized by Department of Computer Science, North Maharashtra University, Jalgaon, 05-06 March 2013. ISBN 2277-7830

Year 2011

01. Santosh Gaikwad, Bharti Gawali, Yannawar Pravin, Mehrotra S C, Feature Extraction using fusion MFCC for continuous Marathi speech recognition, Confernce Proceedings of 2011 Annual IEEE India Conference, Engineering and Sustainable solutions, 16-18 Dec 2011, BITS Pilani, Hyderabad Campus, Hyderabad, ISBN: 978-1-4577-1110-7, pp 1-5

02. Pravin L Yannawar, Ganesh R Manza, B W Gawali, S C Mehrotra, "Incremental Difference as a feature for lipreading", ACEEE-International Journal on Information Technology, March 2011, Vol (1), Issue(1) pp 11-15. ISSN 2158-0138 (online), ISSN 2158-012X (print) **[Journal]**

03. Santosh Gaikwad, B W Gawali, Pravin Yannawar, S C Mehrotra, "Marathi Isolated Word Recognition System using MFCC and DTW", ACEEE-International Journal on Information Technology, March 2011, Vol (1), Issue(1), pp 21-24. ISSN 2158-0138 (online), ISSN 2158-012X (print); **[Journal]**

04. SK Gaikwad, BW Gawali, P Yannawar, A Review on Speech Recognition Technique, International Journal of Computer Applications IJCA 10 (3), 24-28, **[Journal]**

Year 2010

01. Pravin L Yannawar, G R Manza, B W Gawali, S C Mehrotra, Incremental Difference as Feature for Lipreading, Proceedings of International Conference in Advances in Computer Science, (ACS 2010), pp 33-37, 21st-22nd Dec 2010, Trivandrum, Kerala, India.

02. Santosh Gaikwad, Bharti Gawali, Pravin Yannawar, S C Mehrotra, A Review on Speech Recognition Techniques, International Journal of Computer Application, Vol(10) No(5): pp 16-24, November 2010. IJCA Digital Library: ISSN0975 – 8887 **[Journal]**

03. Pravin L Yannawar, G R Manza, B W Gawali, S C Mehrotra, Detection of Redundant frame in Audio-Visual Speech recognition using low level analysis, **IEEE**-International Conference on Computational Intelligence and Computing Research, (**IEEE-ICCIC 2010**), Organized by Tamilnadu college of Engineering, Coimbatore, Tamilnadu, India, 28th-29th Dec 2010, (IEEE Catalog number CFP1020J-ART, ISBN:978-1-4244-5967-4 (**Online**), IEEE Catalog number CFP1020J-PRT, ISBN: 978-1-4244-5966-7 (**Print Version**))

Year 2009

01. Rakesh J Ramteke, Pravin Yannawar, Pabhu Borker, "Multilingual Handwritten Numerals

Recognition: An Invariant Moment Approach", International Conference on Systemics, Cybernetics and Informatics (**ICSCI-2009**) Jan 07-10 2009.

02. Ganesh Manza, P L Yannawar, S C Mehrotra, "Criminal Information Analysis using Facial Expression with ICT", IETE-52 Annual Technical Convention on Technology and Terror – Role of ICT in War against Terror", September 26th-27th 2009.

Year 2008

01. Pravin Yannawar, Ganesh Manza, "Lip movement recognition through image processing for enhancement of speech", **ACM-**International Conference on Advanced Computing, Organized by Anuradha Engineering College, Chikhali 21-22 Feb 2008, ISBN-978-81-906457-1-3

02. Ganesh Manza, Pravin Yannawar, "Mathematical Normalization of Laughing face using action unit", **ACM-**International Conference on Advanced Computing, Organized by Anuradha Engineering College, Chikhalii 21-22 Feb 2008, ISBN-978-81-906457-1-3

Year 2007

01. Sayyed Shafiyoddin, Pravin Yannawar, et.al, "Investigation of Intermolecular interaction between 2-Methoxyethanol and Nitrobenzene at different temperatures through dielectric relaxation study using time domain reflectometry technique", Proceedings of International Conference on Microwave and optoelectronics, 17-20th Dec 2007, pp 699-705

02. Ganesh Magar, S.S Gornale, Pravin Yannawar et.al, "Speckle Noise Reduction of Synthetic Aperture Radar (SAR) Image Using Multi-Resolution Technique, **IEEE**-International Conference on Advances in Computer Vision and Information Technology, Aurangabad, 28th-30 Nov 2007 **ISBN: 978-81-89866-74-7.**

03. S.S. Gornale,Vikas Humbe, P.L Yannawar et.al, "Multi-Resolution System for MRI (Magnetic Resonance Imaging) Image Compression: A Heterogeneous Wavelet Filters Bank Approach", 4th International Conference in Computer Graphics and Imaging and Visualization- 14,15-17 August 2007, Bangkok Thailand(Appeared in **IEEE-Explorer**)

04. S.S. Gornale,Vikas Humbe, P.L Yannawar et.al, "Fingerprint Image Compression Using Retain Entergy(RE) And Number of Zeros(NZ): A Multi Wavelet Approach", International Conference on Information and Communication Technology, Dehradun India (IICT) 2007, 26-28 July 2007, pp 56-60

05. "Edge Detection and Image Analysis using Quadtree Decomposition", International Conference on Information and Communication Technology, Dehradun India (IICT) 2007, 26-28 July 2007 pp 364-369

Year 2006

01. Ajinkya Pittulwar, Ganesh Manza, Pravin Yannawar, "Biometric Fingerprint Recognition Methods: A Review", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

02. Priti Kothawale, Vipul Tapre, Pravin Yannawar, "Biometric Facial Expression Recognition Methods", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

03. Raju Sonawane, Pravin Yannawar et.al, "Biometric Fingerprint Recognition an Approach towards Secure World", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

04. Manoj Devare, S.S Gornale, Pravin Yannawar, "Sharpening of Device Independent Bitmap (DIB) A Digital Image", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

05. Sukhada Deshpande, Pravin Yannawar, "Manifold Of Facial Expression", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

06. Renuka Popli, Pravin Yannawar, "Automatic Facial Expression Analysis : A Review", in National Conference on Emerging Trends in Information Technology (eIT2006) organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati at 29-30 September 2006

07. A.T. Gaikwad, P.L Yannawar et.al "Edge Detection: Region Splitting and Merging using Quadtree Decomposition" in CSIP 2006 organized by J.N.E.C College Aurangabad on 1-3rd April 2006.

08. Sayyed Shafiyoddin, Pravin Yannawar, et.al, "Temperature Dependent Microwave Dielectric Relaxation Study Of Binary Mixtures Of 2-Methoxyethanol With Nitrobenzene And Chlorobenzene Using Time Domain Reflectometry Technique", in **IEEE-International Symposia on Microwaves** (IEEE-ISM 06) organized by IETE Bangalore on 15-17 December 2006.

Year 2002

01. K.V.Kale, R.R.Manza, P.L Yannawar, "Data Compression Techniques in Biometric System for Finger print Recognition", National Conference Recent Trends in Information Communication Technology and Applications, 10-11th Oct 2002, Organized by Department of Computer Science, North Maharashtra University Jalgaon.

02. P.L Yannawar, A.T Gaikwad, R.R Manza, K.V.Kale, "Edge Detection and cluster computing", at National conference on Computer communication and security organized by Department of computer science and Information technology, and IETE Aurangabad Sub-center at 4th and 5th Jan 2004

Year 2001

01. K.V. Kale, R.R. Manza, P.L Yannawar, "Efficient use of storage and communication bandwidth using Image Data Compression", Science Journal, Dr. Babasaheb Ambedkar Marathwada University

Competitions

- Participated in **Inter University State Level Research Festival "AVISKAR-2009"**, Organized by Solapur University Solapur and Recipient of First Prize for "Identification of Criminal using Facial Expression", under Teacher Category of Engineering and Technology, 11-13 Jan 2010.
- Attended State level Programming Competition on C and C++ as an Expert, Organized by Agarwal Institute of Management (AIM) Chalisgaon (MS), 7th Feb 2010.
- Attended State level Programming Competition on C and C++ as an Expert, Organized by Agarwal Institute of Management (AIM) Chalisgaon (MS), 6th Feb 2009.

Workshops

- Attended five day's workshops on **Intellectual Property Rights**, organized by SPD RUSA Maharashtra at Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur.
- Participated in Two Days workshop on **Hadoop Technology**, Organized by Department of Computer Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 22-23rd March 2014.
- Participated in National workshop on **Microwave Remote Sensing**, Organized by Department of Computer Science and IT, Dr. B. A. Marathwada University, Aurangabad, 22-24th Jan 2014.
- Participated in One Day Workshop on **Image Processing Techniques using Matlab 2012**, Organized by Department of Computer Science, Maulana Azad College of Arts, Science and Commerce Aurangabad, 24th Feb 2013.
- Participated in One Day Workshop on **Integrating GeoSpatial Technology with e-Governance of Indian District (IGST 2013)**, Organized by Department of Computer Science and IT, Dr. B. A. Marathwada University, Aurangabad, 19th Jan 2013.
- Participated in National Workshop on **Data Warehousing and Data Mining (NWDWDM-2010)** Organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 25-27th Feb 2010.
- Attended National Level Workshop on **"Computational Neuroscience –CNSW 2008"**, Organized by Sinhagad Education Society, Sinhagad Institute of Business Administration and Computer Applications (SIBACA) Lonawala and sponsored by UGC-CSIR, University of Pune during 23rd -28th June 2008.
- Attended Workshop on "**FEEL**" for the teachers organized by North Maharashtra University Jalgaon and conducted by College for Leadership and Human Resource Development Mangalore, 26 to 28th October 2007.
- Attended Faculty Development Programme on Object Oriented Modeling and Design (OOMD) organized by CSI-Pune at Wipro Technologies, Hinjawadi Pune, 19-21 June 2006.
- Completed Short term Course on High Performance Computing from Indian Institute of Technology, (**IIT)** Delhi under the quality Improvement Programme.
- Training program on "Wavelets and Advance wavelets" at Government College of Engineering, Aurangabad, at Jan 31-Feb 02,06
- Workshop on Embedded System and its Applications by Department of Computer science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad and IETE, Aurangabad, Sub-Center, at 07th Mar 06
- Participated in Syllabus Orientation workshop for Master of Computer Management Course organized by Vidya Pratishthans Institute of Information Technology (VIIT) Baramati under Pune University Pune.

Conferences Attended

- Attended and Presented Paper in International Conference in Advances in Computer Science, (ACS 2010), 21st-22nd Dec 2010, Trivandrum, Kerala, India.
- Attended and Presented Paper in **IEEE**-International Conference on Computational Intelligence and Computing Research, (**IEEE-ICCIC 2010**), Organized by Tamilnadu college of Engineering, Coimbatore, Tamilnadu, India, 28th-29th Dec 2010.
- Attended National Conference on Recent Trends in Computer Application (NCRTCA-2010) Organized by Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 17-18th Feb 2010.
- Attended 52nd IETE-Annual Technical convention on, "Technology and Terror – Role of ICT in WAR against Terror", 26-27th Sept 2009. Mumbai, India, Sponsored by IETE Mumbai Chapter
- Attended Second **IEEE-**International Conference on Advances in Computer Vision and Information Technology (IEEE-ACVIT), Organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, 16-19th Dec 2009.
- Attended and presented paper in **ACM-**International Conference on Advances in Computing (ICAC 2008) by ACM-Anuradha Engineering College Chapter, Chikhli, 21-22 Feb 2008.
- Attended **IEEE-**International Conference on Advances in Computer Vision and Information Technology (IEEE-ACVIT), Organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, 28-30th Nov. 2007
- National Conference on Emerging Trends in Information Technology on 29-30 Sept 2006 organized by Vidya Pratishthans Institute of Information Technology, Baramati.
- National Conference on Computational Science and Information Processing (CSIP) 2006, by J.N.E.C College Aurangabad, on 1st-3rd April 2006.
- National Conference on Recent Trends in Information Communication Technology & Application (RTICTA) by Department of Computer Science, North Maharashtra University, Jalgaon
- National conference on Computer communication and security organized by Department of computer science and Information technology, and IETE Aurangabad Sub-center at 4th and 5th Jan 2004.

Examiner / Session Chair / Talks

- Examiner for University Level Research Festival "AVISHKAR 2016", organized by North Maharashtra University, Jalgaon (MS) India, during 12-13 Jan 2017

Post Graduate Teaching Experience
- Having 23+ Years of Teaching Experience to Post Graduate Classes of M.Sc. Computer Science and M.C.A
- Subject of interest includes Internet of Things (IoT), Theory of Computations, Image processing, Pattern Recognition, Computer Vision, Cryptography and network security, Python, Core and Advance Java.

Educational Qualification.
- **Ph.D. (Computer Science)**,
  Title of Thesis: Lipreading through Image Processing for Enhancement of Speech Recognition,
  Research Supervisor: Professor (Dr). S C Mehrotra (Retd.)
  Department / University: Department of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
  Date of Award: 24 March 2011
- Qualified **SET (State Eligibility Test) Computer Science and Applications** in Jan 2006 conducted by UGC State agency Pune University Pune.
- **M.Sc. Computer Science** from Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in June 2001 with (**74.75%**)
- **B.Sc. Computer Science** from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in June 1999 with (**63.14%**)

Editorial Board Member
- Member of Editorial Board of "International Journal of Applied Computing (IJAC)"
- Member of Editorial Board of "International Journal of Bioinformatics and Soft Computing (IJBSC)"
- Member of Editorial Board of "International Journal of Computational Biology (IJCB)"
- Member of Editorial Board of "International Journal of Computer Science and Application (JCSA)", ISSN 0974-1003(Print), 0974-1011 (Online –Open Access)

Work Experience (Chronological Order)
- **Director**, University Network and Information Centre (UNIC) and University Science and Instrumentation Centre (USIC), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS), 19th Jan 2022 to till date.
- **Professor**, Department of Computer Science and Information Technology, Dr. Babsaheb Ambedkar Marathwada University, Aurangabad from 11 Sept 2023 to till date
- **Associate Professor,** in Department of Computer Science and Information Technology, Dr. Babsaheb Ambedkar Marathwada University, Aurangabad from 6 Feb 2020 to 10 Sept 2023.
- **Assistant Professor,** in Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 11-Sept-2008 to 05-02-2020.
- **Assistant Professor**, in Department of Computer Science, North Maharashtra University, Jalgaon from 11-Oct-2007 to 10-Sept-2008.
- **Lecturer** in Department MCA, Vidya Pratishtha's Institute of Information Technology (VIIT) Baramati from 01 July 2006 to 10-10-2007

Personal Details
Name	Yannawar Pravin Laxmikant
Father Name	Yannawar Laxmikant Kashinath
Birth Date	15-MAY-1979
Email	plyannawar.csit@bamu.ac.in
	pravinyannawar@gmail.com
Marital status	Married
Correspondence Address	Yannawar Pravin Laxmikant, Ph.D.
	Professor,
	Vision and Intelligent System Lab,
	Department of Computer Science and IT,
	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
	Alternate Address
	Director
	University Network and Information Centre
	Dr. B.A. M University, Aurangabad (MS) India
	director.unic@bamu.ac.in

Declaration
I do hereby declare that all the statements made in this application are true, complete, and correct to the best of my knowledge and belief. I understand and agree that in the event of any information being found false or incorrect / incomplete or ineligibility being detected at any time before or after selection / interview.

Pravin Yannawar, Ph.D.

Date:
Place: