

Resume

Name	Dr. Karbhari Vishwanath Kale	
Designation	Professor	
Date of Birth	02.08.1962	
Nationality	Indian	
Address	Dept. of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, (NAAC Accredited by 'A' Grade) Aurangabad - 431004 (MS) India.	
Field of Interest	Image Processing, Pattern Recognition, Computer Vision, Software Engineering, Artificial Intelligence, Neural Network, Robotics, Decision Support System and Intelligence system, Biometrics, Bio-informatics, Remote Sensing and GIS, Sensor Networks and Sensor Web Enablement (SWE), and Embedded Systems etc.	
Administrative Experience	<ul style="list-style-type: none">• Professor & Head, Department of Comp. Sci. & IT• 5 Times Programme Coordinator Refresher & Orientation Course, UGC Academic Staff College, Dr. B. A. M University A'bad• Programme Coordinator, UGC-SAP(II) DRS Phase-I & Phase-II• Director, UNIC, Dr. B. A. M University A'bad• I/C Registrar, Dr. B. A. M University A'bad (24 January 2015- 21 February 2015)• Acting Vice Chancellor, Dr. B. A. M. University A'bad, 08 to 14 September 2015• Director, Board of College and University Development, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 31 July 2014 to 11 July 2016	
Present Position	<ul style="list-style-type: none">• Professor of Computer Science and IT, Program Coordinator, UGC- SAP DRS-II, Multimodal Bio-metrics Research Laboratory, Project Coordinator (PIG) FIST- DST, Geo-spatial Technology Research Laboratory, Coordinator, RUSA, Dr. BAMU	
Statutory Authorities	Member of Board of Studies <ul style="list-style-type: none">• Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (Computer Science & IT)• SRT University, Nanded (Computer Science)• Amravati University, Amravati (Computer Science)• YCM Open University, Nashik (Computer Science)• Gulbarga University, Gulbarga (Computer Science)• Veer Narmad South Gujarat University, Surat (Information Technology) Member of Faculty of Science <ul style="list-style-type: none">• Dr. Babasaheb Ambedkar Marathwada University, Aurangabad• Amravati University, Amravati	
Academic Activities		
Teaching Experience	30 Years	
Invited Lectures	Keynote Address and Resource Person Various National, International Conference, Workshops & Seminars Refresher & Orientation Course at Parent and Other Universities in India	
Chairman	Syllabus Committees Computer Science, Information Technology	
Subject Expert	Vice Chancellor's nominee on various selection committees of Principal, Teachers in Science, Engg. Technology for Parent and Other Universities	

**Prof (Dr.) K. V. Kale, Professor & Former Director, Board of College and University Development,
Dr. Babasaheb Ambedkar Marathwada University Aurangabad-431004 (M.S.) India**

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Website: <http://kvkale.in/>

Research Activities

Experience	28 Years
Award/ Fellowship	<ul style="list-style-type: none">• Research Professor Award for the year 2016-17, Dr. Babasaheb Ambedkar Marathwada University, 04 Sept.2017• Nominations in Top 100 Professionals 2017, International Biographical Centre, Cambridge, England, 6 Jan. 2017• Finalist Awarded, "ICT Researcher of the Year", International Award given by ACS(Australian Computer Society) South East Asian Regional Computer Confederation (SEARCC), in conjunction with the ACS Digital Disruptor Awards at ACS Reimagination Thought Leaders Summit in Sydney, Australia on December 1, 2016• VIJAY SHREE Award, by India International friendship society, New Delhi, India 24th-June-2005• Plaque by Who's who in the World in Computer Science• Amazing Idea Award, IEEE Science and Information (SAI) Conference 2013 London, UK, October 2013• Excellent Paper Award, IACSIT International Conference on Computer and Electrical Engineering (ICCEE-2013), Paris, France, October 2013• UGC One Time Research Grant, 2013-14 & 2014-15
Research Guide	Computer Science, Information Technology, Computer Science & Engineering, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad & Other Universities in India
Products Developed	<ul style="list-style-type: none">• HRV Device for Biometrics as well as for medical diagnostic purpose.• Design and develop Hyperspectral data analysis and processing software 0.1 version
Patent	<ul style="list-style-type: none">• Government of India 06 Filed No.(201621035123/201721010262/201721043493/201721044623/201721047446/201721047448)
Publications	348 (International: 275 National: 74) H Index: 16 Citations: 1045
Books	06 Books <ul style="list-style-type: none">• Computer Communication and Security Renuka Prakashan, Aurangabad• Advanced in Computer Vision and Information Technology I. K. International Pvt. Ltd, New Delhi• Computer Vision and Information Technology: Advances and Applications, K. International Pvt. Ltd, New Delhi• "Face Recognition Using Principal Component Analysis", LAP Lambert Academic Publishing (16 January 2015), ISBN-10: 3659673641, ISBN-13: 978-3659673641• Understanding MATLAB, Shroff Pub & Dist. Pvt. Ltd, Mumbai• Iris Image Feature Extraction using Multiwavelet Approach, LAP, Lambert Publishing , Germany (April 2017),ISBN-978-3-659-74230-9
Book Chapters	06 Book Chapters <ul style="list-style-type: none">• Heart Rate Variability for Biometric Authentication Using Time-Domain Features, Security in Computing and Communications, Vol. 536, pp. 168–175, Abawajy, J.H., Mukherjea, S., Thampi, S.M., Ruiz-Martinez, A. (Eds.) Springer CCIS 7899, ISBN 978-3-319-22914-0, Springer, Berlin, Heidelberg, Germany, 2015• Feature Selection for Heart Rate Variability Based Biometric Recognition using Genetic Algorithm, Intelligent Systems Technologies and Applications, Vol 384, pp. 91-101, Berretti, Stefano, Thampi, Sabu M., Srivastava, Praveen Ranjan (Eds.), Springer Advances in Intelligent Systems and Computing 11156, ISBN 978-3-319-23035-1, Springer, Berlin, Heidelberg, Germany, 2015.

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- Heart-Based Biometrics and Possible Use of Heart Rate Variability in Biometric Recognition Systems", *Advances in Intelligent Systems and Computing*, Volume 1, 15-29, Chaki, R., Cortesi, A., Saeed, K., Chaki, N. (Eds.), Springer Advanced Computing and Systems for Security, 2016.
- S. Shaikh, H. Gite, R. R. Manza, K. V. Kale, and N. Akhter, "Segmentation of Thermal Images Using Thresholding-Based Methods for Detection of Malignant Tumours," in *Intelligent Systems Technologies and Applications 2016*, M. J. Corchado Rodriguez, S. Mitra, M. S. Thampi, and E.-S. El-Alfy, Eds. Cham: Springer International Publishing, 2016, pp. 131-146.
- Dhumal R.K., Vibhute A.D., Nagne A.D., Kale K.V., Mehrotra S.C. (2017) Performance Analysis of Spectral Features Based on Narrowband Vegetation Indices for Cotton and Maize Crops by EO-1 Hyperion Dataset. In: Behera H., Mohapatra D. (eds) *Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing*, pp 581-590, vol 556. Springer, Singapore DOI: 10.1007/978-981-10-3874-7_55
- Nagne A.D., Dhumal R., Vibhute A., Kale K.V., Mehrotra S.C. (2017) Comparative Analysis of Different Land Use-Land Cover Classifiers on Remote Sensing LISS-III Sensors Dataset. In: Behera H., Mohapatra D. (eds) *Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing*, pp 523-532, vol 556. Springer, Singapore, DOI: 10.1007/978-981-10-3874-7_49

Country Visited
Research Projects

Australia, Spain, UK, France, USA, Canada

Ph.D. Degree
Conference/Workshop
Invited Talk

- Completed: UGC-07
- On-going: UGC-01, DST-02, Media Lab-01, Central Govt.-01
- Awarded: **34** Working: **08**
- Attended: **50** Organized: **27**
- **28** Talks at Scientific Conferences, Seminars, Workshops, Refresher, Orientation Courses
- International Conference on Advanced in Computer Vision and Information Technology, (ACVIT-09) on 16th – 19th December 2009
- International Conference on Advanced in Computer Vision and Information Technology, (ACVIT-07) on 28th – 30th November 2007
- National Level Conference on "Computer Communication and Security" on 4th and 5th January 2004
- Two-Day Workshop on "Parallel Computing and Grid Computing", Dr. B.A.M University A' bad on 21 and 22 June 2002.
- One-day workshop on "E-Education" on 16th September 2004.
- One Day workshop on "Embedded Systems and Its Applications" on 7th March 2006
- One Day Workshop on "Open Source Quantum GIS" on 3rd September 2011
- **etc. (More than 26)**

Patron/Chairman/
Advisory/Technical

External Referee
Editorial Board

- Ph.D. thesis of More than 10 Universities in India
- (05)
- Editor in Chief, International Journal on Computer Science and Information Technology (IJCSIT), ISSN: 098474-8385
- Member, Editorial Board, Veer Narmad South Gujarat University (VNSGU) Journal of Science and Technology, ISSN: 0975-5446.
- Member, Editorial Board, ICT Academy of Tamil Nadu (ICTACT) Journal on Soft Computing, An International Publication of ICT Academy of Tamil Nadu ISSN: 0976-6561
- Member, Editorial Board, International Journal of Computer Science and Systems, DIT School of Engineering Greater Noida, ISSN: 2249-8222
- Everyman's Science, Indian Science Congress Associations, Kolkata, ISSN 0531-495 X

Reviewer

- IEEE Image and Signal Processing

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- IACSIT Conferences, May 2013
- IEEE, Science and Information(SAI) Conference 2014
- Springer Open, Human-centric Computing and Information Sciences,2017
- Image Analysis & Stereology journal of the International Society for Stereology & Image Analysis, Feb, 2017

Professional Membership

Life Member	Indian Physics Association (IPA), India Computer Society of India (CSI), India International Association for Pattern Recognition (IAPR), USA The Indian Science Congress Association (ISCA), India International Association of Engineers (IAEng), Singapore Indian Society of Remote Sensing (ISRS), India
Fellow	Institution of Electronics and Telecommunication Engineers (IETE), India Scientific Society of Advanced Research and Social Change (SSARSC), India
Member	The Institute of Electrical and Electronics Engineers (IEEE) , USA <ul style="list-style-type: none"> • Computer Society (CS), USA • Signal Processing (SP), USA • Communication, USA • Green ICT Community, USA • Cloud Computing, USA • Internet of Things Community, USA • Life Sciences Community • Special Interest Group in Artificial Intelligence (SIGAI), India • GEO Science and Remote Sensing Society (GRSS), USA
Technical Associate	Open Geospatial Consortium (OGC), USA
Coordinator	Rashtriya Uchchatar Shiksha Abhiyan (RUSA), Dr. BAMU,2016[20 Crore] Project Implementation Group, FIST-2013[120 Lakhs] UGC-SAP (II) DRS Phase-I(2009-2014) [59.93Lakhs+ PF As an Actual] UGC-SAP (II) DRS Phase-II(2015-2020)[77.75Lakhs+ PF As an Actual] Media Lab Asia, Ministry of Communications and Information Technology, Govt. of India, "Vishvesvaraya PhD Scheme for Electronics and IT"[55.06 Lakhs] BSR-Research Fellow[59 Lakhs/Per Year for 15 students] Algorithm Group of Network Programme on Imaging Spectroscopy and Applications (NISA)
President	ICT Section, The Indian Science Congress Association, Kolkata (2015-2016), Government of India.
State Coordinator	Research and Innovation Proposal under RUSA, Maharashtra State Government, 2015
Other Recognition	Interviewed for the post of Secretary to UGC, New Delhi, India, March 2014 Interviewed for the post of Vice-Chancellor, Shivjai University Kolhapur, 2015 Interviewed for the post of Vice-Chancellor, Mumbai University, Mumbai, 2015 Invited by the Chancellor and Governor of Maharashtra for interaction for the post of Vice-Chancellor, Sant Gadge Baba University, Amravati, 2016 Invited by the Chancellor and Governor of Maharashtra for interaction for the post of Vice-Chancellor, North Maharashtra University, Jalgaon, 2016 Interviewed for the post of Vice- Chancellor, YCMOU, Nashik, 2017 Interviewed for the post of Vice- Chancellor, Savitribai Phule Pune University, 2017 Interviewed for the post of Secretary to UGC, New Delhi, India, February 2018

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