

Resume

Prof.(Dr.) Vidya R. Khapli

1. Current Position:

Principal

K. K. Wagh Polytechnic, Chandori

2. Personal details:

- a. **Email:** vrkhapli@kkwagh.edu.in
- b. **Date of birth:** April 28, 1964
- c. **Marital status:** Married

3. Education & Qualifications :

- a. **Ph.D. (Electronics Engg.):** Title: Content Based Image Retrieval
Babasaheb Ambedkar Marathwad University, Aurangabad
Guide: Dr. Mrs. A. S. Bhalchandra
Professor and Head E & T/C Dept
Govt. Engineering College, Aurangabad
- b. **M.Tech. (Electronics):** V. N.I. T, Nagpur
M. Tech. Project : Fault Tolerant Speed Sensing for Turbine Governor.
- c. **B.E. (Electronics and Power):** COE, Amravati, India (1985)

4. Experience :

- a. **Academic experience: (30 years)**
 - Principal at K. K. Wagh Polytechnic, Chandori, Tal: Niphad, Nashik since 2-1-2017 till date
 - Principal at K. K. Wagh Women's Polytechnic, Nashik since 03-06-2008 to 01-01-2017
 - Assistant Professor at K. K. Wagh Institute of Engineering Education & Research, Nashik from 01-08-1998 to 02-06-2008.
 - Lecturer at K. K. Wagh Institute of Engineering Education & Research, Nashik from 22-07-1988 to 31-07-1998.
- b. **Industry Experience: (2 years)**
 - Project Trainee Crompton Greaves Ltd. Ind. Electronics Division, Nashik (03/07/96 to 31/12/96).
 - Trainee Engineer Nayar Electronics Pvt Ltd., Satpur, Nashik (29/06/86 to 30/04/87).
 - Graduate Apprentice HAL, Ozar (MIG), Nashik, India (1/12/85 to 28/06/86).

5. Research/ Teaching interests:

- a. **Topics of interest:** Image Processing, Content Based Image Retrieval, Parallel Processing, Digital Signal Processing, Basic Electronics
- b. **Courses taught**
- UG level**
- Advanced Computer Architecture
 - Computer Networks
 - Digital Signal Processing
 - Electronic Devices and Circuits
 - Linear circuit Analysis
 - Network and Lines
 - Digital Electronics
 - Advanced Microprocessors
- Diploma Level**
- Basic Electronics
 - Electronic Devices and Circuits
 - Behavioral Science
 - Basic Electronics and Mechatronics
 - Digital Techniques
 - Basic Electrical and Electronics Engg
- c. **Research studies** Survey of Compressed Domain Content Based Image Retrieval Techniques.

6. Awards and recognition:

- **Lady Engineer Achievement Award-2014** from Institution of Engineers (I) Nasik, Local Centre in 2014
- Received **Imminent Educationist Award** from National and International Compendium, New Delhi for Outstanding achievements in chosen field, July 2009.
- Felicitation by IEI Nasik Local Centre on occasion of International Women's Day for valuable contribution to society.
- Received Certificate of Appreciation for contribution as Session-Chair for "e-PGCon'14", A Conference for M.E. Students (E&TC/ Electronics) at K. K. Wagh Institute of Engg. And Research , Nasik
- Appreciation for the significant contribution for chairing session of cPGcon-2014, Third Post Graduate Conference on Computer Engineering at Matoshri College of Engg. and Research Centre, Nasik.
- Received certificate of Appreciation in "Pro-UTsav'15", National Level Project Competition for guiding the students..
- Felicitation by IETE Nasik Local Centre for valuable contribution in the field of Electronics Engg.
- KKW Womens Polytechnic, received a letter of appreciation for excellent performance in Academic monitoring by MSBTE
CM and IT courses of KKW Women's Polytechnic are accredited by NBA for 3 yrs w. e. f. Mar 2012
- NBA chairman appreciated leadership skills as Principal
- Appointed as a chairman of committee of revision of the curriculum of EE by MSBTE Pune 24 – 26 June 2010

- Felicitation by IE(I), Nashik Local center as Prominent Woman on International Women's Day 2009, at the hands of Dy. Meyor of Nashik Mrs. Devyani Pharande, 8th March 2009
- Received grant of Rs.1 Lac for research proposal on CBIR Techniques by Pune University, BCUD /578 dated 22 Jan 2007
- Appointed as a member of the team of faculty for finalizing Syllabus of EDC of SE (Comp) (2003 course)
- Awarded a Merit Certificate for achieving 100% result of "Advanced Computer Architecture and Computing" of BE Computer 2003 and 2004
- Awarded with a certificate of appreciation as a guide for BE (COMP) projects selected for the state level Exhibition "DIPEX"...
- Member of managing committee of KKWCOE ISTE chapter, Nashik for the period 1/7/1996 to 31/12/1996.
- Assistant coordinator for NSS unit at KKWCOE, Nashik during 2000-2003

7. Publications:

Papers presented at National/ International Conferences and Journals

1. V. R. Khapli, "Content Based Image Retrieval for Effective Image Searches" RACE 2007 International Conference, 24-25 March 2007. Engineering College Bikaner in association with Technical Sponsor IEEE AES COM LEO Society Chapter India.
2. V. R. Khapli and A S Bhalchandra, "Review Of Recent CBIR Techniques" at International Conference ACVIT 2007 on 28-29 November 2007.
3. V. R. Khapli and A S Bhalchandra, "CBIR for Biomedical images" is presented at International Conference by IET Mumbai dated 11-12th January 2008, pp 85-88.
4. V. R. Khapli and A S Bhalchandra, CDIR poster, at International Conference ICETET 2008 held during 16-18th July 08 at Rasoni Engineering College, Nagpur.
5. V. R. Khapli and A S Bhalchandra, "Compressed Domain Content Based Image Retrieval: State of the Art, Challenges and Open Issues", PWASET, Volume 36, ISSN2070-3740, December 2008 at Bangkok, Thailand, pp 1335-1339.
6. V. R. Khapli and A S Bhalchandra, "Compressed Domain Content Based Image Retrieval using Thumbnails of images", IEEE CS First International Conference on Computational Intelligence, Communication Systems and Networks, CICSyN 2009, 23-25 July 2009, Indore DOI 10.1109/CICSYN.2009.96 pp 392-396.
7. V. R. Khapli, "Image Retrieval for Compressed and Uncompressed Images", ICICS 2009, 8-10 December 2009, Macau, China
8. V. R. Khapli, A S Bhalchandra, "Spatial Domain Approach for Effective Image Retrieval using Thumbnails of Images", ICGST-GVIP Journal, Volume 11, Issue 3, June 2011.
9. V. R. Khapli, A S Bhalchandra, "Comparison of Similarity Metrics for Thumbnail Based Image Retrieval", International Journal Of Computer Science And Engineering, Volume 5, Issue 1, January 2011, pp 15-20.
10. V. R. Khapli, A S Bhalchandra, "Fast Encoding Technique of Transformed VQ for Effective CBIR", ICGST-GVIP Journal Vol. 12, Issue 2, August 2012 , pp 1-8.
11. V. R. Khapli, A S Bhalchandra, "Multistage VQ based Feature Vector for Effective CBIR", GVIP Journal, ISSN: 1687-398X, Volume 15, Issue 1, ICGST, Delaware, USA, June 2015 (IF 13-14 : 1.511).
12. V. R. Khapli, R. A. Bhadane, "CBIR Framework based on Bag-of-Features (BoF) and Super Vector Coding (SVC)", International Journal of Innovative Research in Computer and Communication Engineering, ISSN(Online): 2320-9801 ISSN (Print) : 2320-9798, Vol. 4, Issue 6, June 2016, pp 12407-12414

Other Publication:

1. "Life-Long Learning- A new paradigm" -Annual Convention of ISTE at DRBATU, Lonere in December 2001.
2. "Role of Women Engineers for Sustainable Development" -Annual Convention of ISTE at DRBATU, Lonere in December 2001.
3. "Building Averaging Pyramid : Pixel averaging Techniques" IEEE chapter workshop at MIT Alandi on 15 July 2003.
4. "Image Processing using Parallel Computing" RAME-2004 , National Conference at K. K. Wagh C.o.E., Nashik dated 16 - 17 January 2004.
5. "Role of Women in Agriculture sector" International Conference on Globalization and women's work in South Asia and EU: Frictions, Networks and Perspectives at I C college of home science CCS HAU , Hisar in August 2004.
6. "Delay Tolerant Networks" ETA 2005, National Conference on Emerging technologies & Applications, Organized by Computer Sc. Dept of Saurashtra University, Rajkot, held on 1-2 October 2005.
7. "Role of IT for flexibility in infrastructure" GLOGIFT- 2005 Fifth Global Conference On Flexible Systems Management 27-30 December, 2005, Venue : R.G.P.V. Bhopal in association with UAH College of Administrative Science, The University of Alabama in Huntsville, USA.
8. "Super Resolution Imaging- An Intelligent Algorithm" Incruis-2006, International Conference on Resource Utilization and Intelligent Systems at Kongu Engg College, Perundurai, Erode, T N, India-638052 in January 4-6 2006.
9. "Fault Tolerant Speed Sensing System" UTKARSH-2007 National Conference held at Vivekanand Education Society's Institute of Technology, Mumbai-71, dated 12 - 13 January 2007.
10. "E-Governance in Context to India" International conference on information & communication technology: IICT- 2007 Dehradun Institute of Technology Dehradun, Uttranchal, India. 26 – 28 July 2007.

Articles published:

- " Parallel Computers: The Next Generation Computers" in CSI Communication (National Level Magazine) Oct 2003 and November 2003 issue.
- Book chapter : Role of women in agricultural sector in Women Welfare and Empowerment in India : Vision for 21 Century/edited by Rameshwari Pandya, New Delhi, New Century, 2008, xxiv, 606 p., tables, ISBN 81-7708-172-5.

BOOK: Advanced Computer Architecture and Computing, Nirali Publication , April 2007

Professional Association

- Life Member of Indian Society for Technical Education
- Life Member of Computer Society of India
- Life Member of Institute of Electronics and Telecommunication Engg.
- Life Member of International Journal of Engineering and Research Industrial Applications

Participation in professional events:

a. Seminars/ Workshop attended /Conferences attended

1. Seminar by Dr Pandharipande on “Intelligent Approach for learning Electronics and Communication”, organized by E & T/c Dept of KKWIEER on 7th Feb 18
2. One Day Workshop on “ISO 9000 Quality Management System”
3. One day Workshop on Implementation of I scheme organized by MSBTE and K K Wagh Polytechnic Nashik
4. Three Day Course on “Induction Training for Teachers” in March 1995.
5. Workshop on Industry Institute Partnership & Entrepreneurship Development by ISTE, Nashik Chapter & MCED, Nashik in March 1997.
6. Workshop on “Reversed Engineering” in 1997.
7. Fifth ISTE Maharashtra Goa Convention held during 1999.
8. Course on Programming in C organized by ISTE during 20 Dec 1998 to 2 January 1999.
9. ISTE state level Annual convention at KKWCOE, Nashik in December 2000.
10. First Annual Convention of Women Engineers at Institute of Engineers, Pune in November 2001.
11. Syllabus setting for BE (Comp) at KKWCOE, Nashik in January 2000.
12. Syllabus setting for B.E (ETX) at KKWCOE, Nashik in July 2001.
13. Quality Management by ISTE.
14. Workshop on Induction training for teachers organized by ISTE.
15. Winter camp of NSS unit of KKWCOE Nashik from 1-10 January 2002.
16. “Seven Habits of most effective people”, CSI, Nashik, 2001.
17. National Seminar on Fighter Aircraft-History, Evolution and Modern Technologies organized by IE, Nasik at KKWCOE, Nashik during January 2003.
18. State Level Camp by NSS Cell, University of Pune, Govt. of Maha.in Feb.2003.
19. Workshop of PUNE University on finalizing subjects of BE Computer course at PICT Pune on 26- 27 July 2003.
20. National workshop on “Networking R& D, Industry and academics for quality enhancement in technical education” at Nirma University, Ahmedabad on 22 -23 December 2003.
21. National Level Seminar “RAME-2003” on recent advances in Mechanical Engg. held on 16 - 17 January 2004.
22. Technical seminar on “IT Literacy, e-education, e-Learning and e-governance” organized by IETE Nashik sub center on 27 February 2004.
23. Workshop on “Software Engineering” by Dr. Shashikant Kelkar, IIT Powai organized by CSI, Nashik Chapter on 28 - 29 February 2004.
24. Lecture on “MEMS and Nano Technology” by Dr. V. J. Sundaran on 1 March 2004 organized by T&P cell KKWCOE and also acted as an anchor person.
25. Seminar by Mr. Achyut Godbole, Director of Disha Technologies ,Pune on “Business Opportunities in 21st Century” dated 1 May 2004 organized by NCPL, Nasik.

26. CSI-IBM Seminar by CSI, Nasik Chapter and IBM on 23December 2004.
27. Management of IT and Infrastructure for flexibility and competitiveness “Glogift 2005” in December 2005.
28. Technical seminar on development of IT Business network, IT for Industrial control and Role of Renewable Energy in IT/ Telecom Industry.
29. Short Term Training Programme on “Recent Trends in Signal and Image Processing” by SGGSIET, Nanded in association with TEQIP, Networking Cell during 16– 18 January 2006.
30. Three Days Training Programme on “Communicative English” by ISTE Chapter, KKCOE and The English Personality Finishing School, Pune in August 2006.
31. MeL 2007 Two day workshop on Multimedia & e-learning.
32. International Conference “Recent Advanced Applications Of Computers in Electrical Engineering”.
33. Three days Workshop on Image Transforms by Dr. Kekre, Prof. TSEC, Mumbai at GECA.
34. Two days workshop on MATLAB and LaTeX at MAE Alandi.
35. International conference by DRBATU, ACVIT 2007, A” bad.
36. Three Days Workshop on “Object Oriented Analysis and Design using UML 2.0” organized by Computer Society of India, Nasik Chapter, July 2007
37. First Conference of University teachers “Innovation 2007” organized by university of Pune during November 19-20, 2007.
38. International Conference on Wireless, Mobile and Communication by IET 2008, Mumbai.
39. International conference , ICETET 2008, RHCOE, Nagpur, July 2008.
40. National conference INNOVA+TION 2008, Sinhgad Engg College, Pune.
41. Hasya Kallol By Prof Deshpande 2008, K. K. Wagh Smruti Vyakyanmala 2008.
42. Mazi Shodhyatra by Achut Godbole, 2008, K. K. Wagh Smruti Vyakyanmala 2008.
43. IEEE CS First International Conference on Computational Intelligence, Communication Systems and Networks, CICSyN 2009, 23-25 July 2009, Indore.
44. “Curriculum Revision Workshop” at MSBTE Regional Office, Pune in June 2010.
45. Two Days Workshop on “NBA Orientation” by Association of Management of Un-Aided Engg. Colleges in July 2011
46. One day workshop on “Innovation and IPR” at K. K. Wagh Women’s Polytechnic, Nasik in association with Vidurneeti Intelletual Capital Engineers, Mumbai in October 2012.
47. Educator’s Conference-Cum-Meditation Retreat on “Values and Spirituality for Empowerment of Life” at Brahma Kumaris Shantivan, Abu Road, Rajsthan in 2012
48. One Day Workshop on “MSBTE Online Procedure” by Association of the Management of Polytechnics in January 2012.
49. Soft Skill Industrial Training at L&T Ltd in July 2012.
50. One Day Seminar on “Drop out students in polytechnic: Problems and Solutions” at Sandip Polytechnic in April 2012

Expert Lecture Delivered

- How to make world class polytechnic, on October 09.
- TQM in Technical Education, 12 November 09.
- How to write and present technical paper to KKWWP staff in 2010.
- NBA orientation on 9 September 2011 for faculty of KKWP.
- NBA how to? for faculty of Poly and Engg. MECRC, 2011.
- Induction Training Program for newly joined lecturers at KKWWP.
- Induction training for newly joined faculty in July 2012.
- “Women entrepreneurs: Why?” at three days EAC program at KKW Women’s Poly on 11 January 2013.
- Carrier Guidance to SSC students at Govt. Girls H.S. Nashik, Geetai Kanya Shala, and KKW Junior College, B’Nagar, Niphad in February 2014.
- Delivered an Expert Lecture through Virtual Learning Center (VLC) on “Electronics Circuits & Design” on 23 September 2014 at YCMOU studio.
- Guest Lecture on „Women’s Day“ at MCERC, Nashik on 8 March 2014.
- Carrier Guidance about MSBTE diploma course at English Medium School, Sakore, in MSBTE sponsored Carrier Fare On Wheels on 7 January 2015.
- Scope of Eletronics Engg., Computer Engg and Information technology for SSC pass students as a carrier guidance June 2016, June 2017, June 2018