

<b>Name</b>	<b>Dr. Vinayak Ashok Bharadi</b> <b>Ph. D. in Engineering</b>
Date of Birth	25/03/1981
Highest Qualification	Ph.D. In Engineering
Branch / Specialization	Electronics and telecommunication
Designation	Associate Professor
Department	Information Technology
Date of Joining the Institute	16/01/2017



## Work Experience

### Total Teaching Experience: 13 Years 7 Months (As on 26 Jan 2017)

- **Government Polytechnic Mumbai, Maharashtra, India, 23 /06/ 2003 – 30 /05/ 2007**

**Lecturer:** Worked in IT department of Government Polytechnic Mumbai as a lecturer. Worked as System Administrator for Windows Networking and CCNA CEP organized by Electronics Department.

- **Institute of Engineers India (IEI India) –01 /06/ 2005 – 25/12/2009**

**Guest Lecturer:** Working as Guest Faculty for the IEI (India) for the Associate Member of Institute of Engineers (AMIE) Course at IEI (Maharashtra Centre) Mumbai.

- **Thadomal Shahani Engineering College, Bandra (w), Mumbai, 1 /06/ 2007 – 31 /10/ 2007.**

**Lecturer:** Worked in IT department of TSEC as a lecturer.

- **Thakur College of Engineering & Technology, kandivali (E), Mumbai, 27 /11/ 2007 – 10/07/2012.**

**Assistant Professor:** Worked as Assistant Professor in IT department of TCET, 27-11-2007 to 10-07-2012,

**Mumbai University Approval Letter No: CONCOL/SA/4042 of 2010 Dated 5<sup>th</sup> August 2010, Approved Since 09/07/2008 (USSC Appointment as Lecturer in 5<sup>th</sup> Pay equivalent to Assistant Professor in 6<sup>th</sup> Pay)**

- **Thakur College of Engineering & Technology, kandivali (E), Mumbai, 11 /07/ 2012 – 31-12-2013**

**Associate Professor, Deputy Head of IT Department:** Appointed as Associate Professor w.e.f. 11-07-2012, Worked as Associate Professor & Dy. HOD in IT department of TCET.

**Mumbai University Approval Letter No: CONCOL/IS/ECD/2014-15/28414 Dated 5<sup>th</sup> February 2015, Approved Since 11/07/2012 (USSC Appointment as Associate Professor)**

- **Thakur College of Engineering & Technology, kandivali (E), Mumbai, 01 /01/ 2014 – 14/01/2017.**

**Associate Professor & HOD IT:** Workied as Associate professor in the Information Technology Department (HOD Term: 01/01/2014 to 16/09/2016)

• *Finolex Academy of Management and Technology, Ratnagiri, Maharashtra, 16 /01/ 2017 – Present*

**Associate Professor :** Working as Associate professor in the Information Technology Department.

**Number of Papers Presented/Published in National/ International Conferences**

**111**

**Details**

**Annexure Attached**

**Number of Papers Presented/Published in National/ International Journals**

**28**

**Details**

**Annexure Attached**

**Number of Workshops, STTPs Attended**

**14**

**Details**

1. **Recent Trends in Communication Engineering** : 2 Weeks STTP organized by Thakur College of Engineering & Technology, Mumbai, 8 to 19 Dec 2008.
2. **Skill Enhancement:** 1 week FDP organized by Thakur institute of Management Studies & Research, Mumbai , Jan 5 to 9 Jan 2009.
3. **The Journey of Self Discovery-The Essence of Bhagvad Gita** : One week course organized by ISKON, 27 July 2009 to 01 August 2009
4. **Middleware Technology & Programming with J2ME:** 1 Weeks STTP organized by Rajeev Gandhi Institute of Technology, Mumbai, 4 to 8 Jan 2010.
5. **Two Day Self – Analysis Workshop for TCET:** Two day workshop for preparation of IMC-RBNOA Preparation at TCET,Mumbai, 6 to 7<sup>th</sup> May 2013.
6. **Two Week ISTE Workshop for Teachers on 'Database Management Systems':** 2 Weeks Workshop organized by IIT Bombay in, MHRD Founded by NME-ICT, 21<sup>st</sup> to 31<sup>st</sup> May 2013.
7. **One day Oracle Technology Network Workshop on OTN Database 12c** : One day Workshop organized by Oracle Technology Network, Oracle Corporation, 19<sup>th</sup> November 2013.
8. **Two-Week Main Workshop on Signals & Systems organized by IIT Kharagpur:** 2 Weeks Workshop organized by IIT Kharagpur, MHRD Funded by NME-ICT, 2<sup>nd</sup> Jan to 13<sup>th</sup> Jan 2014.
9. **Oracle Technology Network Cloud Application Foundation Developer Day** – March 12, 2014, Trident BKC, Mumbai, One day Workshop organized by Oracle Technology Network, Oracle Corporation
10. **Two Week Main Workshop on Cyber Security organized by IIT Bombay** – 2 Weeks Workshop organized by IIT Bombay, MHRD Funded by NME-ICT, 9<sup>nd</sup> July to 20<sup>th</sup> July 2014.
11. **Two Week STTP on Tools and Technology** – 2 Weeks Workshop

- organized by TCET It Department, TCET Mumbai, 14<sup>th</sup> to 24<sup>th</sup> December 2015.
12. One day Awareness Training Course on ISO 9001:2015, TCET, December 2015, IRCLASS Systems and Solutions, Mumbai
13. **One Week STTP on Academic Excellence in 21<sup>st</sup> Century** – 1 Weeks ISTE Approved Workshop  
organized by TCET, TCET Mumbai, 4<sup>th</sup> to 11<sup>th</sup> June 2016.
14. **Two Week STTP on Designing Applications for Smart City** – 2 Weeks ISTE Approved Workshop  
organized by TCET It Department in Collaboration with Intel Technology and Texas Instruments , TCET Mumbai, 13<sup>th</sup> to 24<sup>th</sup> June 2016.

**Details of student projects Guided at Masters Level**

**20+ Projects Guided at ME Information Technology**

**Membership in Professional Bodies**

1. **GATE 2005**, Passed GATE 2005 exam with 88.24 Percentile Score
2. **Microsoft Certified Professional**, May 2004 -Passed MCP Exam 70-210
3. **Member of Association of Computer Electronics and Electrical Engineers (ACEEE -ID: 1019),**
4. April 2009 ([www.theaceee.org](http://www.theaceee.org)) (Subsidiary of Institute of Doctors Engineers & Scientists – IDES, [www.theides.org](http://www.theides.org))
5. **Certified Internal Auditor** for ISO 9001:2008 Standard, May 2009
6. **Member of Association for Computing Machinery (ACM Group) –** (Membership ID – 2926478) – July 2009 ([www.acm.org](http://www.acm.org)) & Special Interest Group on Information Technology Education (**SIGITE**)
7. **Member of International Association of Computer Science and Information Technology (IACSIT) –** (Membership ID – 80334085) – Nov 2009 (<http://www.iacsit.org>)
8. **Member of www.CodeProject.com – Open Source Developers Community- (Silver Member)** (Membership ID – 6725811) – Sept 2009 (<http://www.codeproject.com/Members/Vinayak-Bharadi>)
9. **Senior Member Universal Association of Computer and Electronics Engineers: UACEE (<http://uacee.org>)–** (Membership ID – SNM1005208) – Jan 2014(<http://seekdl.org>)
10. **IMC RBNQA Certified Examiner –** 29<sup>th</sup> June 2016 to 1<sup>st</sup> July 2016, TCET, Mumbai

**Seminars/Lecture/ Invited Talks Delivered As Resource Person**

**30**

**Details**

1. **Reviewer for International Group IET Journal** (Image Processing, Computer Vision), June 2009, Oct 2009, Feb 2010, Oct 2013, Nov 2013, Dec 2013, Jan 2014, May 2014
2. **Reviewer for International Journal of Image Processing (IJIP -** <http://www.cscjournals.org>, Computer Science Journals, Malaysia)[http://www.cscjournals.org/csc/journals/IJIP/reviewer\\_board.php?JCode=IJIP](http://www.cscjournals.org/csc/journals/IJIP/reviewer_board.php?JCode=IJIP)
3. **Organizing Secretary of ACM International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010,** [www.icwet.co.cc](http://www.icwet.co.cc)), Feb. 26-27 2010, TCET, Mumbai India
4. **International Conference ICWET 2010 Proceedings –** Proceedings editing, compilation, printing and uploading on ACM Portal Digital

Library([www.portal.acm.org](http://www.portal.acm.org)). Compilation of both the Hard Copy & Digital Version of conference proceedings **ISBN: 978-1-60558-812-4**.

5. **Reviewer for** International Journal Of Advancements In Technology (<http://ijict.org>), August, Dec. 2010
6. **Organizing Committee member of Two weeks STTP** on Recent Trends in communication Engineering, IT Department Thakur College of Engineering & Technology, Dec 2008
7. **Resource Person in STTP** Organized by SFIT, Boriwali (W), Topic-Image Processing & it's Application in Biometrics (Fingerprint Recognition), 15 Jan 2010
8. **Resource Person in STTP** Organized by TCET, Kandivali (E), Topic-Using Internet for Teaching, 12 July 2010
9. **Organizing Secretary of ACM International Conference & Workshop on Emerging Trends in Technology 2011**, Feb. 25-26 2011, TCET, Mumbai India, Organized in –cooperation with ACM USA & International Journal of Computer Application (IJCA) (**ISSN - 0975 – 8887**), NY, USA.
10. **Organizing Secretary of 3<sup>rd</sup> International Conference & Workshop on Emerging Trends in Technology 2012**, Feb. 24-25 2012, TCET, Mumbai India, Organized in –cooperation with THESAI, USA & International Journal of Computer Application (IJCA) (**ISSN - 0975 – 8887**), NY, USA.
11. **Review Committee Member of International Conference ICMLC 2011**, Organized by IACSIT, Singapore, Feb 20-22, 2011
12. **Faculty Sponsor for TCET-ACM SIGITE Chapter** , TCET, Mubmai, Since Sept 2011
13. **Review Committee Member** : 2012 2<sup>nd</sup>International Conference on Electronics and Optoelectronics, Shenyang, China, July 27 - 29, 2012, <http://www.iceoe.org>
14. **Review Committee Member** : 2012 Emerging Trends in Engineering & Technology, VNCET, Vasai, Thane Maharashtra, India, National Conference, March 29 2012
15. **Editorial Board Member - Open Research and ScienceLibrary** (USA, [www.orslib.org](http://www.orslib.org)) - Editorial Board member of Open Source Journal - Lecture Notes in Information Science and Technology (LNIST), Since 6<sup>th</sup> August 2012
16. **Review Committee Member of IEEE International Conference on Advances in Technology & Engineering ICATES 2013**, Organized by NMIMS University, Mumbai, India, 23-25 Jan 2013
17. **Organizing Secretary of 4<sup>th</sup> Multiple Conference & Workshops Multicon-W 2013** , Feb. 22-23 2013, TCET, Mumbai India, Organized in – cooperation with THESAI (USA) , International Journal of Computer Application (IJCA) (**ISSN - 0975 – 8887**, NY, USA), International Journal of Advanced Information Systems (IJAIS) (**ISSN - 2249-0868**, NY, USA) & Researches & Applications in Mechanical Engineering Journal (RAME, Published by Science and Engineering Publishing Company, India)
18. **Reviewer of** International Journal of Science and Technology Education Research published by ACADEMIC JOURNALS,[www.academicjournals.org](http://www.academicjournals.org), May 2013.
19. Conducted one Day Workshop on the topic “**Android for Teaching**” on **21<sup>st</sup> September 2013**, for teaching staff at Thakur College of Engineering and Technology.
20. **Organizing Secretary of 5<sup>th</sup> Multiple Conference & Workshops Multicon-W 2014** , Feb. 28-March 01, 2014, TCET, Mumbai India,

- Organized in –cooperation with , International Journal of Computer Application (IJCA) (ISSN - 0975 – 8887, NY, USA), International Journal of Advanced Information Systems (IJAIS) (ISSN - 2249-0868, NY, USA)
21. **Reviewer for Journal of Real time Image Processing** : Published by Springer , ISSN: 1861-8200 (print version), ISSN: 1861-8219 (electronic version) , Impact Factor 1.156, From 24-05-2011 to Present, <http://www.springer.com/computer/image+processing/journal/11554>
  22. **Organizing Committee Member of 2 Day AICTE Sponsored National Seminar for Academic Excellence**, TCET, Jan 23-24 – 2014, Core Committee Member
  23. **Reviewer Panel Member : The Journal of the Optical Society of America A (JOSA A)**,ISSN: 1084-7529, eISSN: 1520-8532,<http://www.opticsinfobase.org/josaa/home.cfm>, Nov 2014
  24. Resource Person for the Two weeks ISTE Approved STTP on “**Integration of R&D, Consultancy and Academic Activities**”, **Organized by TCET, 15<sup>th</sup> Dec 2014 to 24<sup>th</sup> Dec 2014**, Delivered a session on “Organizing & managing Research”.
  25. **Reviewer for Engineering Science and Technology: an International Journal, Published by Elsevier International**, <http://ees.elsevier.com/jestch/> , August 2015
  26. **Review Committee Member of 2nd International Conference on Computing, Communication, Control And Automation , 12 -13 Aug 2016**, Organized by PCCOE, Pune
  27. **Member of Syllabus Design Committee for University of Mumbai: AY 2016-2017 for Postgraduate Course: ME IT, Subject : Mobile Cloud Computing, IT Infrastructure Design**
  28. **Session Chair at IEEE International Conference ICETET 2016, Organized by PPCOE Pune**
  29. **Resource person in the HOD meet organized by TCET, Oct 2016:** Delivered Session on Outcome based Education
  30. **Delivered session in FAMI Ratnagiri for UG students on “ Technical paper Writing” on 28/01/2017**

## Awards / Honours / Prizes

07

### 1. Smt. P. P. Chabria Prize, March 2003

Received Smt. P. P. Chabria prize for standing first in the academy for B E Electronics academic year 2002-2003

### 2. Junior Scientist Award, June 1994

Awarded Silver medal at School Level Junior Scientist Competition.

### 3. Best Employee Award, Oct 2009

Received best employee award in Teaching Category by Thakur College of Engineering & Technology

## Details

## Patents and IPRs

1. "A Method for Retrieving images based on Content Application Based Image Retrieval (CBIR) From Image Databases", Application Number - 201621005457,CBR Number 2829,-PATENT OFFICE, INTELLECTUAL PROPERTY BUILDING, **Patent Filed on 17/02/2016, Published on**

04/03/2016

## Scholarships

- AICTE Scholarship was awarded in academic year 2005-2006 during M.E. Electronics & Telecommunication, Thadomal Shahani College of Engineering

## Research Grants

- **Received Microsoft Azure Educator Grant:** 28<sup>th</sup> January 2015  
Received Microsoft Azure Cloud Access Grant for teaching Cloud Computing. In this grant Microsoft made available 40 - 6 month, \$100/month and 1 - 12 month, \$250/month Microsoft Azure

Pass Academic Passes to Thakur College of Engineering & Technology at no cost.

**The estimated total market value of this Grant is USD \$ 27,000 (16.2 Lakh Rupees) (40 Student passes x USD \$600 per pass + 1 Educator pass x USD \$3,000/pass).**

- **Received Amazon AWS Educate Educator Grant:** 18<sup>th</sup> January 2016  
Received Amazon AWS Grant for teaching Big Data and Analytics Labs. In this grant AWS made available \$75 AWS Services Access.

**The estimated total market value of this Grant is USD \$ 75 (INR 5000) (AWS Subscription Grant)**

Research /  
Sponsored /  
Consultancy Projects

01

Google Application for Business Consultancy at Bhaktivedanta Hospital, Miraroad, Thane, Sept 2016 to Dec 2016, Consultancy Cost : INR 1.67 lacs

# Annexure

## Research & Technical Paper Publications Details

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### National Level Research Papers:

#### AY 2006-2007

1. New Parameter for Signature Recognition: Walsh Coefficient of Vertical and Horizontal Histogram, National Conference on Communication and Signal Processing (NCCSP 2007), Mumbai, April-2007
2. Signature Recognition by Novel and Simple Contour Technique, National Conference on Communication and Signal Processing (NCCSP 2007), Mumbai, April-2007

#### AY 2007-2008

3. Successive Geometric Centers of a signature template, National Conference on Signal Processing & Automation (NCSPA 2007), Pune, September 2007
4. Grid & Texture Features for signature recognition, National Conference on Emerging Trends in Control & Instrumentation-(NCETCI 2007), Mumbai, October 2007
5. Signature recognition using Clustering techniques, National Conference on Information & communication technology (NCICT2008), Mumbai- Feb 2008
6. Phenom-Revolutionary Quad Core Processors, National Conference on Information & communication technology (NCICT2008), Mumbai- Feb 2008
7. Specialized Global Features for Off-line Signature Recognition, 7<sup>th</sup> Annual National Conference on Biometrics, RFID & Identification techniques, Organised by VPM, Thane- Jan 2009
8. GPS Navigation & Tracking System using GPS.NET Framework & Google Map Services, NCICT 2009, NMIMS University, March 2009
9. Multimodal Biometrics: Need for Future Security Systems, NCICT 2009, NMIMS University, March 2009
10. Palmprint Segmentation Using Gabor Filtering, National Conference NCNGCC 2009, Organized by GGITS, Jabalpur, Madhya Pradesh, 20-21 March 2009
11. Low Cost GPS Navigation & Tracking System, National Conference NCNGCC 2009, Organized by GGITS, Jabalpur, Madhya Pradesh, 20-21 March 2009

#### AY 2009-2010

12. Fingerprint's Core Point Detection Using Gradient Field Mask, National Conference on Recent Advances in Communication & Computing Technology, NCRACCT 2009, Oct 30-Nov 1, 2009, Jabalpur
13. Dynamic Signature Recognition & Verification, National Conference on Recent Advances in Communication & Computing Technology, NCRACCT 2009, Oct 30-Nov 1, 2009, Jabalpur
14. Content Based Image Retrieval System, National Conference on Recent Advances in Communication & Computing Technology, NCRACCT 2009, Oct 30-Nov 1, 2009, Jabalpur

#### AY 2010-2011

15. Retinal Scan Recognition using Kekre's Wavelets – March 15, 2011- National Conference NCC 2011- Organized by LRTCOE, Miraroad, Mumbai.

#### AY 2014-2015

16. Challenges for Private Engineering College & Action Required to be Taken, Proceedings of National Seminar on Technical Education, Jan 23-24, 2014, TCET, Mumbai

#### AY 2015-2016

17. An Introduction of Wavelet Transform and how it helps in Extracting an Image from Image Database, NCTAA, Atharva College of Engineering, Malab, Mumbai, Jan 28-29, 2016, pp 25-34  
Paper Available on : [http://ijsrd.com/C\\_Article.php?manuscript=NCTAAP089](http://ijsrd.com/C_Article.php?manuscript=NCTAAP089)

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### International Level Research Papers:

### **AY 2007-2008**

1. Walsh Coefficients of the Horizontal & Vertical Pixel Distributions of Signature Template, International Conference of Information Processing 2007 (ICIP 2007), Bangalore, August 2007
2. Vector Quantization applied for Signature Recognition, International Conference on Advances in **Computer Vision and Information Technology** 2007 (ACVIT 2007), Aurangabad, Maharashtra, Nov 2007
3. Performance Analysis of Geometric centers of Depth 2, International Conference on Emerging Technologies and Applications in Engineering Technology and Sciences (ICETAETS 2008), Rajkot, January 2008
4. Performance Analysis of Grid & Texture Features, International Conference on Sensors, Signal Processing, Communication, Control and Instrumentation (SSPCCIN-2008), Pune, January 2008
5. Performance Analysis of Codeword Histogram & Spatial Moments for Signature Recognition, SPIT-IEEE Colloquium 2008, Mumbai, February 2008

### **AY 2008-2009**

6. Content Based Image Retrieval using Modified BTC, WHT of Colour Histogram and Moments, International Conference on Information Processing, ICIP 2008, August 2008, Bangalore.
7. Adaptive Feature Set Updating Algorithm for Multimodal Biometrics, International Conference on Computing, Communication and Control (ICAC3'09), proceedings Pages 277-282, ACM Conference, Jan 2009, Mumbai, **Paper Published on ACM Portal Online Digital Library, ISBN: 978-1-60558-351-8, ACM DOI 10.1145/1523103.1523161**
8. Ageing Adaptation for Multimodal Biometrics using Adaptive Feature Set Update Algorithm, IEEE International Conference (IACC 2009), Thapar University, Patiala- Punjab, India. March 2009, **Paper Published on IEEE Xplore Paper Added to the Information Security Database of King Saud University, Created by Center of Excellence in Information Assurance (CoEIA), <http://www.ee.washington.edu/research/nsi/students/alomair/LB-Arabic/biometric/papers/index.html>**
9. Signature Recognition using Cluster Based Global Features, IEEE International Conference (IACC 2009), Thapar University, Patiala- Punjab, India. March 2009, DOI :10.1109/IADCC.2009.4809068, **Paper Published on IEEE Xplore**

### **AY 2009-2010**

10. Fingerprint Orientation Field Estimation Algorithm Based on Optimized Neighborhood Averaging, IEEE International Conference (ICETET 2009), G H Raison College of Engineering, Nagpur, Maharashtra, India, Dec 2009, DOI: 10.1109/ICETET.2009.105, **Paper Published on IEEE Xplore**
11. Fingerprint & Palmprint Segmentation by Automatic Thresholding of Gabor Magnitude, IEEE International Conference (ICETET 2009), G H Raison College of Engineering, Nagpur, Maharashtra, India, Dec 2009, DOI :10.1109/ICETET.2009.104 **Paper Published on IEEE Xplore**
12. Fingerprint's Core Point Detection Using Orientation Field, International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT 2009), Kerala, India, Dec 2009, DOI:10.1109/ACT.2009.45 **Paper Published on IEEE Xplore**
13. Fingerprint Core Point Detection Algorithm Using Orientation Field Based Multiple Features, International Conference on Futuristic Computer Applications (ICFCA 2010) is to be held in Bangalore on 20-21 March, 2010
14. Off-Line Signature Recognition Systems, International Conference on Futuristic Computer Applications (ICFCA 2010) is to be held in Bangalore on 20-21 March, 2010
15. Using Component Object Model for Interfacing Biometrics Sensors to Capture Multidimensional Features, 2009 International Joint Journal Conference on Computer and Communication Technology (IJJCT 2009), Shanghai China, 27, 28 Dec 2009.
16. Iris Recognition Using Vector Quantization, The 2010 International Conference on Signal Acquisition and Processing (ICSAP 2010), DOI:10.1109/ICSAP.2010.45, **Paper Published on IEEE Xplore**, 9-10 February, 2010, Bangalore, India
17. Off-Line Signature Recognition Using Morphological Pixel Variance Analysis, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), Mumbai, India, 26-27 Feb 2010, **Paper Published on ACM Portal Online Digital Library**
18. Signature Recognition using Vector Quantization, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), ACM International Conference, Pages 11-18, ISBN: 978-1-60558-812-4, DOI :10.1145/1741906.1741909, Mumbai, India, 26-27 Feb 2010
19. Iris Recognition Using Discrete Cosine Transform and Kekre's Fast Codebook Generation Algorithm, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), ISBN: 978-1-60558-812-4, DOI:10.1145/1741906.1741913, pp 36-42, Mumbai, India, 26-27 Feb 2010, **Paper Published on ACM Portal Online Digital Library**



20. Performance Comparison of Full 2-D DCT, 2-D Walsh and 1-D Transform over Row Mean and Column Mean for Iris Recognition, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), Mumbai, India, 26-27 Feb 2010, **Paper Published on ACM Portal Online Digital Library**
21. A Comparative Study of DCT and Kekre's Median Code Book Generation Algorithm for Face Recognition, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), Mumbai, India, 26-27 Feb 2010, **Paper Published on ACM Portal Online Digital Library**
22. Multimodal Biometrics, International Conference & Workshop on Emerging Trends in Technology 2010 (ICWET 2010), Pages 1002-1003, ISBN: 978-1-60558-812-4, doi>10.1145/1741906.1742159, Mumbai, India, 26-27 Feb 2010
23. Dynamic Signature Pre-processing by Modified Digital Difference Analyzer Algorithm, ThinkQuest 2010-International Conference on Contours of Computing technology, **SpringerLink Publication**, ThinkQuest 2010, March 2010, Online ISBN: 978-81-8489-989-4, doi> 10.1007/978-81-8489-989-4\_12, Available at : [http://link.springer.com/chapter/10.1007%2F978-81-8489-989-4\\_12](http://link.springer.com/chapter/10.1007%2F978-81-8489-989-4_12)
24. Dynamic Signature Recognition Using Time Based Vector Quantization by Kekre's Median Codebook Generation Algorithm, ThinkQuest 2010-International Conference on Contours of Computing technology, **SpringerLink Publication**, ThinkQuest 2010, March 2010, Online ISBN: 978-81-8489-989-4, doi>10.1007/978-81-8489-989-4\_46, Available at : [http://link.springer.com/chapter/10.1007%2F978-81-8489-989-4\\_46](http://link.springer.com/chapter/10.1007%2F978-81-8489-989-4_46)

#### AY 2010-2011

25. Finger-Knuckle-Print Region of Interest Segmentation using Gradient Field Orientation & Coherence, Third International Conference on Emerging Trends in Engineering and Technology (ICETET 2010), DOI : 10.1109/ICETET.2010.68, pp 130-133, **Paper Published on IEEE Xplore**, 19-21 November, 2010, Goa, India
26. Content Based Image Retrieval using Fusion of Gabor Magnitude and Modified Block Truncation Coding, Third International Conference on Emerging Trends in Engineering and Technology (ICETET 2010), DOI : 10.1109/ICETET.2010.166, pp 140-245, **Paper Published on IEEE Xplore**, 19-21 November, 2010, Goa, India
27. Image Processing for Real Time Traffic Control, 2<sup>nd</sup> ACM International Conference ICWET 2011, TCET, Mumbai India, Pages 1360-1360, Feb 2011, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980336, pp 1360-61
28. Survey On Data Mining Classification Techniques, 2<sup>nd</sup> ACM International Conference ICWET 2011, TCET, Mumbai India, Feb 2011, Page 1380, Proceedings ISBN : 978-1-4503-0449-8, doi>10.1145/1980022.1980419, pp-1362-1363
29. Face Recognition using Kekre's Wavelets Energy & Performance Analysis of Feature Vector Variants, ACM International Conference & Workshop on Emerging Trends in Technology 2011, Pages 404-409, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980108, ICWET 2011, TCET, Mumbai, India
30. Finger-Knuckle-Print Verification using Kekre's Wavelet Transform, ACM International Conference & Workshop on Emerging Trends in Technology 2011, Pages 32-37, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980030 ICWET 2011, TCET, Mumbai, India
31. Keystroke Dynamic Analysis Using Relative Entropy & Timing Sequence Euclidian Distance, ACM International Conference & Workshop on Emerging Trends in Technology 2011, ISBN: 978-1-4503-0449-8, Pages 220-223, doi>10.1145/1980022.1980072 ICWET 2011, TCET, Mumbai, India
32. Palmprint Recognition Using Kekre's Wavelet's Energy Entropy Based Feature Vector, ACM International Conference & Workshop on Emerging Trends in Technology 2011, Pages 39-45, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980031, ICWET 2011, TCET, Mumbai, India
33. Performance Comparison of DCT, FFT, WHT & Kekre's Transform for On-Line Signature Recognition , ACM International Conference & Workshop on Emerging Trends in Technology 2011, Pages 410-414, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980109, ICWET 2011, TCET, Mumbai, India.
34. Online Signature Recognition Using Kekre's Vector Quantization Algorithms KMCG & KFCG, ACM International Conference & Workshop on Emerging Trends in Technology 2011, Pages 415-421, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980110, ICWET 2011, TCET, Mumbai, India.
35. Blood Vessel Structure Segmentation from Retinal Scan Image Using Kekre's Fast Codebook Generation Algorithm , ACM International Conference & Workshop on Emerging Trends in Technology 2011 , ICWET 2011, TCET, Mumbai, India., pp 10-14, ISBN: 978-1-4503-0449-8, doi>10.1145/1980022.1980025
36. Performance Problems of VoIP in 802.11 Wireless Mesh Networks & Their Solutions, ACM International Conference & Workshop on Emerging Trends in Technology 2011 ,Pages 891-898, ISBN: 978-1-4503-0449-8 doi>10.1145/1980022.1980214, ICWET 2011, TCET, Mumbai, India.

#### AY 2011-2012

37. Content Based Image Retrieval using Fusion of Modified Block Truncation Coding and Kekre Transform Patterns, 3<sup>rd</sup> International Conference & Workshop on Emerging Trends in Technology 2012, pp. 68-72, ISBN : 978-0-615-58717-2, February 2012, TCET, Mumbai, India

#### AY 2012-2013

- 38.** Speaker Recognition using Vector Quantization by MFCC and KMCG Clustering Algorithm, IEEE International Conference on Communication, Information and Computing Technology (ICCICT-2012), SPIT, Mumbai, India, Oct 2012), DOI :10.1109/ICCICT.2012.6398146, pp 1-5, **Paper Published on IEEE Xplore**
- 39.** Fusion of Modified Block Truncation Coding and Kekre Transform Patterns for Colour & Texture Based CBIR, IEEE International Conference on Communication, Information and Computing Technology (ICCICT-2012), SPIT, Mumbai, India, Oct 2012 , IEEE DOI :10.1109/ICCICT.2012.6398096, Print ISBN:978-1-4577-2077-2, pp 1-6, **Paper Published on IEEE Xplore**
- 40.** Retinal Scan Recognition using Wavelet Energy Entropy, IEEE International Conference on Communication, Information and Computing Technology (ICCICT-2012),pp 1-6,SPIT, Mumbai, India, Oct 2012, IEEE DOI: 10.1109/ICCICT.2012.6398120, Print ISBN:978-1-4577-2077-2,DOI: 10.1109/ICCICT.2012.6398120,Page(s): 1- 6, **Paper Published on IEEE Xplore**
- 41.** Hyperspectral Face Recognition, 4<sup>th</sup> International Conference & Workshop on Advanced Computing, ICWAC 2013, TCET, ISBN - 978-0-9884925-3-0, pp 25-34,Mumbai, 22<sup>nd</sup>& 23<sup>rd</sup> February 2013.
- 42.** Cloud Computing: An Introduction, 4<sup>th</sup> International Conference & Workshop on Advanced Computing, ICWAC 2013, ISBN :978-0-9884925-4-7 , TCET, Mumbai, 22<sup>nd</sup>& 23<sup>rd</sup> February 2013
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2. BTC, WHT Coefficients & RGB Colour Histogram's Moments based Features for Content Based Image Retrieval, International Journal of Information Retrieval, ISSN: 0974-6285 Vol. 2, Suppl. Issue 1, 2009, pp. 56-63

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3. Fingerprint Core Point Detection Algorithm Using Orientation Field Based Multiple Features, **International Journal on Computer Applications (IJCA), France,Volume 1/Number 15 (ISBN: 978-93-80746-14-2 )**, <http://www.ijcaonline.org/archives/number15/314-482>(Impact Factor : 0.812 , 2012)

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Paper Link - <http://www.ijais.org/proceedings/icwccv2015/number1/790-1559>)

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1. **2D FFT of an Image in C# (GDI/C#)**  
Posted: 20 Nov 2009 Last Updated: March 2015 Views: 116,243, Downloads: 7517, Rating: 4.81/5  
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Two dimensional Fast Fourier Transform of an image in C#.
2. **Digitizer interface in C# using VTablet (Hardware & System)**  
Posted: 5 Dec 2009 Last Updated: March 2015 Views: 17,570, Downloads: 752, Rating: 4.10/5  
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Digitizer device interface using VTablet in C#.

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3. **2D DCT of an Image in C# (GDI/C#)**  
Posted: 2 Dec 2010 Last Updated: March 2015 Views: 36,820, Downloads: 5038, Rating: 4.31/5  
License: The Code Project Open License (CPOL)  
Two dimensional Discrete Cosine Transform of an image in C#.
4. **Canny Edge Detection in C# (GDI/C#)**  
Posted: 13 Jul 2010 Last Updated: March 2015 Views: 133,927, Downloads: 14,838, Rating: 4.60 /5  
License: The Code Project Open License (CPOL)  
Implementation of canny Edge Detection Algorithm
5. **Hartley Transform of an Image in C# (GDI/C#)**  
Posted: 22 Dec 2010 Last Updated: March 2015 Views: 14,716, Downloads: 606, Rating: 4.41 / 5

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Implementation of 2D Discrete Hartley Transform of an Image in C#

AY 2011-2012

## 6. Homomorphic Filtering in C#.NET (GDI/C#)

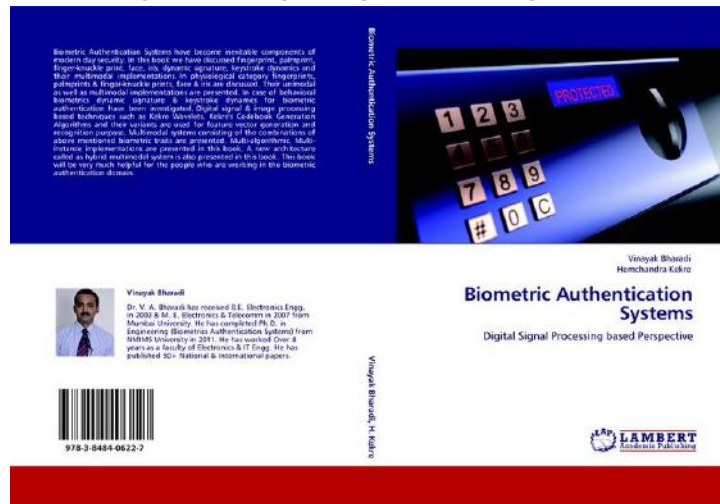
Posted: 11 Sept 2012 Last Updated: March 2015 Views: 12384, Downloads: 1298, Rating: 4.33/5  
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## Books Written

Series of Books on Biometrics Recognition is written. The Details are as follows

AY 2011-2012

### 1. Biometric Authentication Systems: Digital Signal Processing based Perspective



ISBN :978-3-8484-0622-7

Publisher :LAMBERT Academic Publishing GmbH & Co. KG, [www.lap-publishing.com](http://www.lap-publishing.com)

Address: Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

Online Link :<https://www.morebooks.de/store/gb/book/biometric-authentication-systems/isbn/978-3-8484-0622-7>(Prize : 79 € ), <http://www.amazon.com/Biometric-Authentication-Systems-Processing-Perspective/dp/3848406225/> (\$105)

Publication Date : 13<sup>th</sup> February 2012

### 2. Static Signature Recognition using Morphology: Morphological Image Processing Applied for Static Signature Recognition



**Vinayak Bharadi**  
Dr. V. A. Bharadi has received B.E. Electronics Engg in 2002 & M. E. Electronics & Telecomm. in 2007 from Mumbai University. He has completed Ph.D. in Engineering (Biometrics Authentication Systems) from NITWRS University in 2011. He has worked Over 8 years as a faculty of Electronics & IT Engg. He has published 10+ National & International papers.



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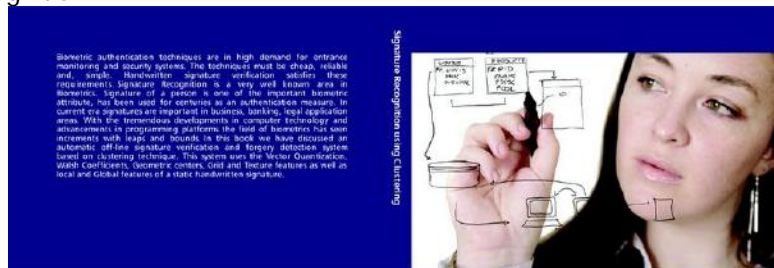
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**Online Link :**<https://www.morebooks.de/store/gb/book/static-signature-recognition-using-morphology/isbn/978-3-8484-2184-8>(Prize : 49 € ),<http://www.amazon.com/Static-Signature-Recognition-using-Morphology/dp/3848421844/> (\$57.60)

**Publication Date :**14<sup>th</sup> March 2012

### 3. Signature Recognition Using Clustering Techniques: Vector Quantization based Approach for Static Signature Recognition



**Vinayak Bharadi**  
Dr. V. A. Bharadi has received B.E. Electronics Engg in 2002 & M. E. Electronics & Telecomm in 2007 from Mumbai University. He has completed Ph.D. in Engineering (Biometrics Authentication Systems) from NITWRS University in 2011. He has worked Over 8 years as a faculty of Electronics & IT Engg. He has published 10+ National & International papers.



978-3-8484-4755-8

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**Online Link :**<https://www.morebooks.de/store/gb/book/signature-recognition-using-clustering-techniques/isbn/978-3-8484-4755-8> (Prize : 68 € ), <http://www.amazon.com/Signature-Recognition-Using-Clustering-Techniques/dp/384844755X> (\$81)

**Publication Date :**22<sup>nd</sup> March 2012



#### 4. Retinal Scan Recognition:Kekre Wavelets based Perspective



ISBN :978-3-8484-8829-2

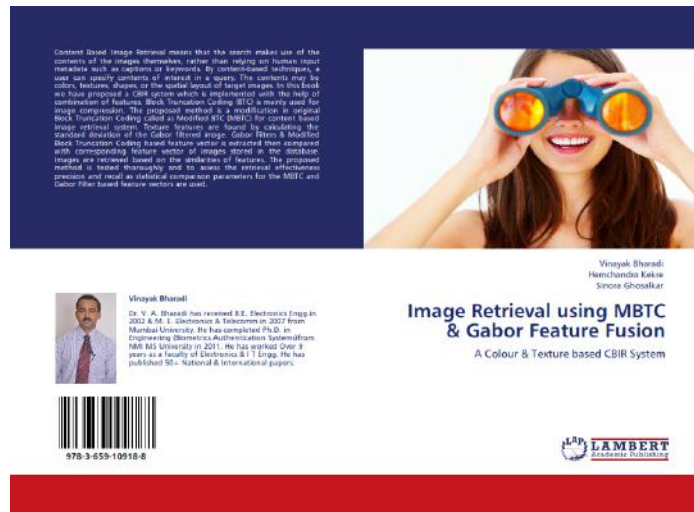
Publisher :LAMBERT Academic Publishing GmbH & Co. KG, www.lap-publishing.com

Address: Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

Online Link :https://www.morebooks.de/store/gb/book/retinal-scan-recognition/isbn/978-3-8484-8829-2 (Prize : 49 € )

Publication Date :12<sup>nd</sup> April 2012

#### 5. Image Retrieval using MBTC & Gabor Feature Fusion:A Colour & Texture based CBIR System



ISBN :978-3-659-10918-8

Publisher :LAMBERT Academic Publishing GmbH & Co. KG, www.lap-publishing.com

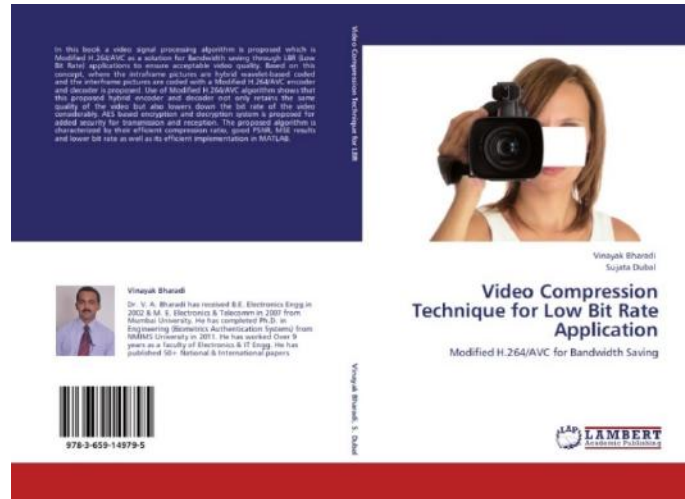
Address: Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

Online Link :https://www.morebooks.de/store/gb/book/image-retrieval-using-mbtc-gabor-feature-fusion/isbn/978-3-659-10918-8 (Prize : 49 € )

Publication Date :3<sup>rd</sup> May 2012

AY 2012-2013

## 6. Video Compression Technique for Low Bit Rate Application: Modified H.264/AVC for Bandwidth Saving



ISBN :978-3-659-14979-5

Publisher :LAMBERT Academic Publishing GmbH & Co. KG, [www.lap-publishing.com](http://www.lap-publishing.com)

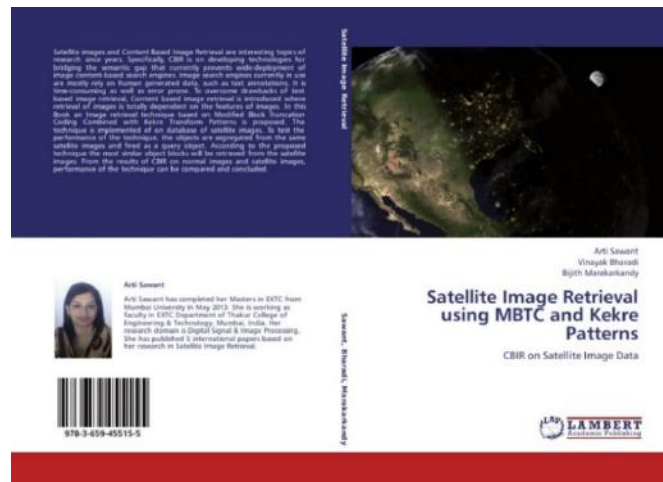
Address: Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

Online Link <https://www.morebooks.de/store/gb/book/video-compression-technique-for-low-bit-rate-application/isbn/978-3-659-14979-5> (Prize : 49 € ), <http://www.amazon.com/Video-Compression-Technique-Rate-Application/dp/3659149799/> (\$54.90)

Publication Date :11<sup>th</sup> June 2012

AY 2013-2014

## 7. Satellite Image Retrieval using MBTC and KekrePatterns: CBIR on Satellite Image Data



ISBN :978-3-659-45515-5

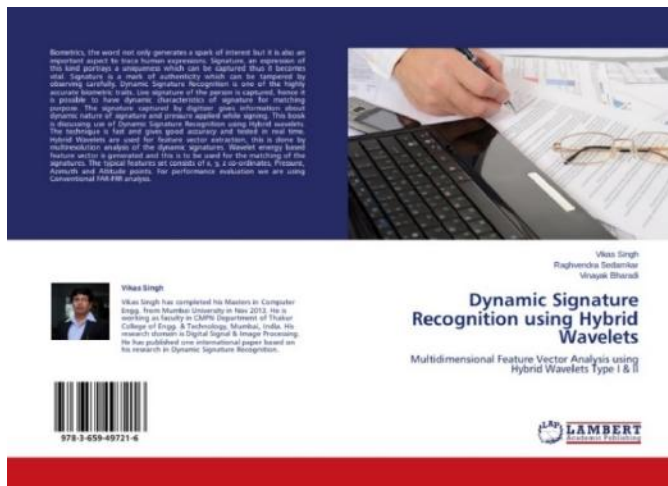
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## 8. Dynamic Signature Recognition using Hybrid Wavelets:Multidimensional Feature Vector Analysis using Hybrid Wavelets Type I & II



ISBN :978-3-659-49721-6

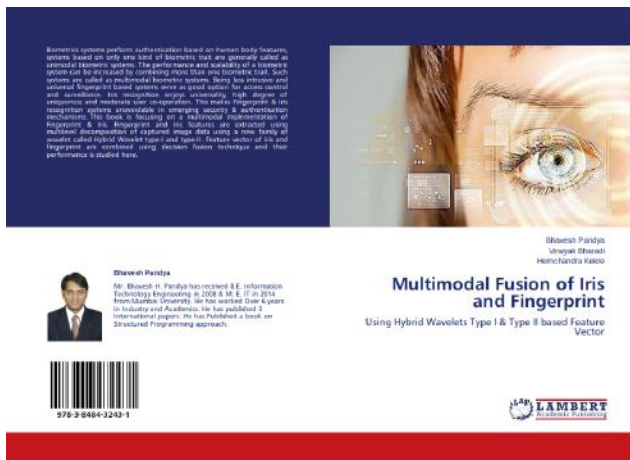
Publisher :LAMBERT Academic Publishing GmbH & Co. KG, www.lap-publishing.com

Address: Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

Online Link :<https://www.morebooks.de/store/gb/book/dynamic-signature-recognition-using-hybrid-wavelets/isbn/978-3-659-49721-6> (Prize : 49.9 € ), <http://www.amazon.com/Dynamic-Signature-Recognition-Hybrid-Wavelets/dp/3659497215> (\$61.20)

Publication Date :7<sup>th</sup> December 2013

## 9. Multimodal Fusion of Iris and Fingerprint:Using Hybrid Wavelets Type I & Type II based Feature Vector



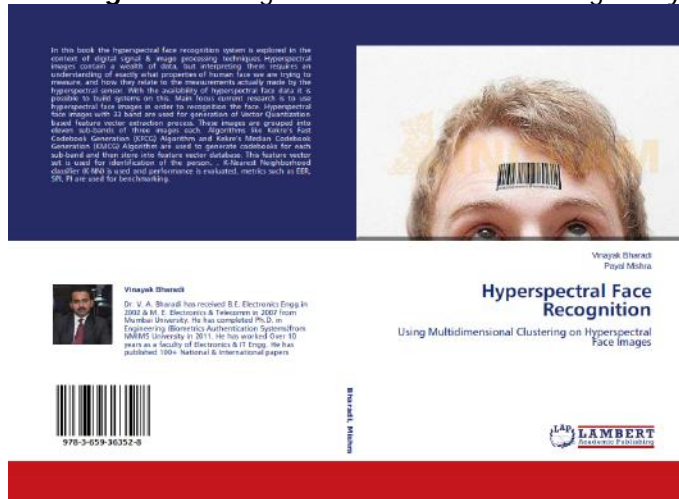
ISBN :978-3-8484-3243-1

Publisher :LAMBERT Academic Publishing GmbH & Co. KG, www.lap-publishing.com

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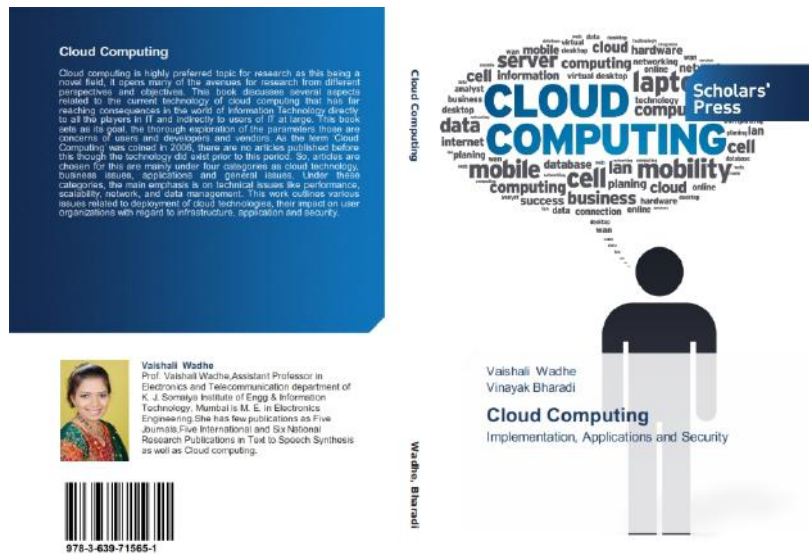
**Online Link :** <https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-8484-3243-1/multimodal-fusion-of-iris-and-fingerprint> , <http://www.amazon.com/Multimodal-Fusion-Iris-Fingerprint-Wavelets/dp/3848432439> (Prize : 49.9 € ) (\$62.10)  
**Publication Date:** 11<sup>th</sup> February 2014

**10. Hyperspectral Face Recognition:Using Multidimensional Clustering on Hyperspectral Face Images**



**ISBN :**978-3-659-36352-8  
**Publisher :**LAMBERT Academic Publishing GmbH & Co. KG, [www.lap-publishing.com](http://www.lap-publishing.com)  
**Address:** Dudweiler Landstraße 99, 66123 Saarbrücken, Germany  
**Online Link :** <https://www.morebooks.de/store/gb/book/hyperspectral-face-recognition/isbn/978-3-659-36352-8>, (Prize : 49.9 € ) (\$62.10)  
**Publication Date:** 23<sup>rd</sup>April 2014

**11. Cloud Computing:Implementation, Applications and Security**



**ISBN :**978-3-639-71565-1

**Publisher** :Scholars' Press Publishing,OmniScriptum GmbH & Co. KG, <https://www.scholars-press.com>

**Address:** OmniScriptum GmbH & Co. KG, Heinrich-Böcking-Straße 6-8, 66121 Saarbrücken, Germany

**Online Link** :<https://www.morebooks.de/store/gb/book/cloud-computing/isbn/978-3-639-71565-1>,  
(Prize : 89.9 € )

**Publication Date:** 23<sup>rd</sup>May 2014

**AY 2014-2015**

## 12. Online Signature Recognition Using Sectorization of Complex Plane:Using Digital Signal & Image Processing Concepts



**ISBN** :978-3-659-59419-9

**Publisher** :LAMBERT Academic Publishing GmbH & Co. KG, [www.lap-publishing.com](http://www.lap-publishing.com)

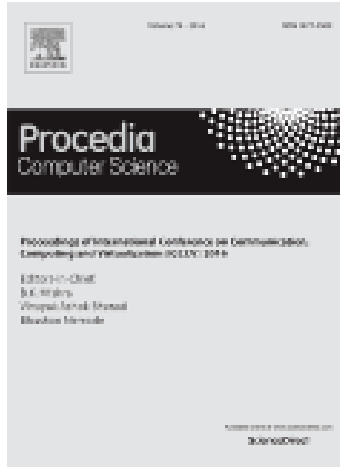
**Address:** Dudweiler Landstraße 99, 66123 Saarbrücken, Germany

**Online Link** :[http://www.amazon.in/Online-Signature-Recognition-Sectorization-Complex/dp/3659594199/ref=sr\\_1\\_9?ie=UTF8&qid=1413446097&sr=8-9&keywords=bharadi](http://www.amazon.in/Online-Signature-Recognition-Sectorization-Complex/dp/3659594199/ref=sr_1_9?ie=UTF8&qid=1413446097&sr=8-9&keywords=bharadi), (Prize : 49.9 € ) (\$62.10)

**Publication Date:** 16<sup>th</sup> Sept 2014

**AY 2015-2016**

## 13. Proceedings of International Conference on Communication, Computing and Virtualization (ICCCV) 2016



**Journal Title :**Elsevier - Procedia Computer Science, Volume 79, Pages 1-1060 (2016)  
**ISSN:**1877-0509  
**Source Normalized Impact per Paper (SNIP):**0.705  
**Publisher :**Elsevier Limited (Corporate Office),  
**Address:** 125 London Wall, London, EC2Y 5AS  
**Online Link :** <http://www.sciencedirect.com/science/journal/18770509/79>

**AY 2016-2017**

#### 14. Online Signature Recognition using SaaS Architecture



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**Address:** Dudweiler Landstraße 99, 66123 Saarbrücken, Germany  
**Online Link :** [http://www.amazon.in/Online-Signature-Recognition-Sectorization-Complex/dp/3659594199/ref=sr\\_1\\_9?ie=UTF8&qid=1413446097&sr=8-9&keywords=bharadi](http://www.amazon.in/Online-Signature-Recognition-Sectorization-Complex/dp/3659594199/ref=sr_1_9?ie=UTF8&qid=1413446097&sr=8-9&keywords=bharadi), (Prize : 49.9 € ) (\$62.10)  
**Publication Date:** 17<sup>th</sup> Nov 2016

## Books Edited

### AY 2009-2010

1. **International Conference ICWET 2010 Proceedings** – Proceedings editing, compilation, printing and uploading on ACM Portal Digital Library ([www.protal.acm.org](http://www.protal.acm.org)). Compilation of both the Hard Copy & Digital Version of conference proceedings **ISBN: 978-1-60558-812-4**. (Online Link : <http://dl.acm.org/citation.cfm?id=1741906>)

### AY 2010-2011

2. **International Conference ICWET 2011 Proceedings (Volume I and Volume II)** – Proceedings editing, compilation, printing and uploading on ACM Portal Digital Library ([www.protal.acm.org](http://www.protal.acm.org)) of both the volumes. Compilation of both the Hard Copy & Digital Version of conference proceedings **ISBN: 978-1-4503-0449-8**(Online Link : <http://dl.acm.org/citation.cfm?id=1980022&coll=DL&dl=GUIDE&CFID=74853062&CFTOKEN=35852431>)
3. **International Journal of Computer Application (IJCA) – Special Issue of International Journal –IJCA ([www.ijcaonline.org](http://www.ijcaonline.org)) (ISSN - 0975 – 8887)**, for the extended paper of International Conference ICWET 2011 (Online Link : <http://www.ijcaonline.org/proceedings/icwet>)

### AY 2011-2012

4. **BIT Tech@TCET**, National Journal, Volume 1, Issue 1-4, Jan to Oct 2011, Published by TCET, Quarterly
5. **International Conference ICWET 2012 Proceedings (Full Length Papers)** – Proceedings editing, compilation, printing and uploading on IJCA Digital Library ([www.protal.acm.org](http://www.protal.acm.org)). Compilation of both the Hard Copy & Digital Version of conference proceedings **ISBN:973-93-80864-47-3**
6. **International Journal of Computer Application (IJCA) – Special Issue of International Journal –IJCA ([www.ijcaonline.org](http://www.ijcaonline.org)) (ISSN - 0975 – 8887)**, for the extended paper of International Conference ICWET 2012 (Online Link : <http://www.ijcaonline.org/proceedings/icwet2012>)
7. **International Conference ICWET 2012 Proceedings (Short Length & poster Papers)** – Proceedings editing, compilation, printing of both the Hard Copy & Digital Version of conference proceedings **ISBN: 978-0-615-58717-2**

### AY 2012-2013

8. **International Conference MulticonW 2013 Proceedings (Volume I,II & III)**– Proceedings editing, compilation, printing and uploading on Digital Library of the IJCA, IJAIS & RAME Journals
  - i. **ICWAC 2013** - Volume I of the Proceedings with ISBN : 978-0-9884925-1-6& Special Issue Publication with International Journal of Applied Information Systems (IJAIS) – ISSN : 2249-0868
  - ii. **ICWET 2013** - Volume II of the Proceedings with ISBN : 978-0-9884925-0-9 & Special Issue Publication with International Journal of Computer Applications (0975 – 8887
  - iii. **ICWAME 2013** - Volume III of the Proceedings with ISBN : 978-0-9884925-2-36 & Special Issue Publication with Researches & Applications of Mechanical Engineering (RAME)

### AY 2013-2014

9. **International Conference MulticonW 2014 Proceedings (Volume I,II & III)**– Proceedings editing, compilation, printing and uploading on Digital Library of the IJCA, IJAIS & RAME Journals

- i. **ICWAC 2014** - Volume I of the Proceedings with ISBN : 978-0-9884925-3-0 & Special Issue Publication with International Journal of Applied Information Systems (IJAIS) – ISSN : 2249-0868
- ii. **ICWET 2014** - Volume II of the Proceedings with ISBN : 978-0-9884925-4-7& Special Issue Publication with International Journal of Computer Applications (0975 – 8887)
- iii. **ICWAME 2014** - Volume III of the Proceedings with ISBN : 978-0-9884925-5-4

#### AY 2014-2015

- 10. **International Conference MulticonW 2015 Proceedings (Volume I,II & III)–** Proceedings editing, compilation, printing and uploading on Digital Library of the IJCA, IJAIS Journals
  - i. **ICWCCV 2015** - Volume I of the Proceedings with ISBN : 978-0-9884925-7-8& Special Issue Publication with International Journal of Applied Information Systems (IJAIS) – ISSN : 2249-0868
  - ii. **ICWET 2015** - Volume II of the Proceedings with ISBN : 978-0-9884925-8-5& Special Issue Publication with International Journal of Computer Applications (0975 – 8887)
  - iii. **ICWAME 2015** - Volume III of the Proceedings with ISBN : 978-0-9884925-9-2

#### AY 2015-2016

- 11. **International Conference ICCCV 2016 Proceedings–** Proceedings editing, compilation, printing and uploading on Digital Library of the IJCA, IJAIS Journals
  - i. **ICWCCV 2016** - Short Length Papers Proceedings with ISBN: 978-0-9884925-6-1
  - ii. Special Issue Publication with International Journal of Applied Information Systems (IJAIS) – ISSN: 2249-0868
  - iii. Special Issue Publication with International Journal of Computer Applications (IJCA) ISSN: 0975 – 8887

## Webinars Attended

#### AY 2015-2016

1. The new classroom of learning for organizations, Date: August 5, 2015, Time: 3:00 PM, Mandar Satpute,CEO, 24x7 Learning, Microsoft Azure Team.
2. Azure Vidyapeeth August Week 1 Webinar Series, Introducing Azure Mobile engagement, Date: Friday, August 7, 2015, Time: 3:00 PM – 4:00 PM IST
3. Deliver Virtual or Hosted Desktop Application through Single VDI Platform (VMWare Horizon 6), 03/09/2015
4. Security LIVE Webcast Series, Rapid Breach Detection, Remediation Are you ready?, Wednesday 23 September 2015 1:00 PM SGT / 10:30 AM IST
5. Introduction to Azure Machine Learning, Microsoft Azure Team, September 10, 2015, Time: 3:00 PM,
6. Rapid Breach Detection, Remediation Are you ready?, Wednesday 23 September 2015, Lawrence Ong (Business Development Manager), CISCO
7. Smart Labs on AWS/Google - for software training, sales demos and testing, Wed, Jan 27, 2016 11:30 PM - Thu, Jan 28, 2016 12:30 AM IST, by Ravello Systems