

## (J) PUBLICATIONS: 169

Sr. No.	Publication Particulars	Detail
1	Patent	03
2	Book Published	12
3	Book Chapters	01
4	Magazine Article	07
5	International/National Journal	93
6	International Conferences	66
7	National Conferences	21
	Total Publication	203

### (a) Details of Book Published: 12

- 1) Developed and edited the book of **Quantitative Techniques** as study material for B.B.A. Course at Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik. (Academic year 2013-14)
- 2) Developed and edited the book of **Financial Mathematics** as study material for B.B.A. Course at Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik. (Academic year 2013-14)
- 3) **Editor-in-chief** for proceeding of International Joint Conferences on CNC 2013 and CSEE 2013 (Feb 22-23, 2013) organized by ACEEE and published by Springer. (ISSNPrint: 1867-8211)
- 4) **Editor-in-chief** for proceeding of International Joint Conferences on CNC 2013 and CSEE 2013 (Feb 22-23, 2013) organized by ACEEE and published by IDES-CPS. (ISSNPrint: 2214-1464)
- 5) Editor, the book, "**Knowledge Engineering**" the Proceedings of International Conference on Knowledge Engineering (ICKE-2011). ISBN-978-81-8487-123-4 Published by Narosa Publishing House, New Delhi.
- 6) Editor, the book, "**Recent Trends in Library and Computer Science**" the Proceedings of UGC Sponsored Two Days State Level Seminar on Recent Trends in Library and Computer Science (17-18 Feb 2011). ISBN-978-81-905495-6-3

- 7) Developed and edited the book of **Quantitative Techniques** as study material for B.B.A. Course at Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik. (Academic year 2006-07)
- 8) Developed and edited the book of **Financial Mathematics** as study material for B.B.A. Course at Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik. (Academic year 2006-07)
- 9) **R. R. Deshmukh**, B.M. Patil, R.S. Havinal, "**Concepts of C Programming**" published by Shri. LaxmiPrakashan, Aurangabad (June/July, 2005).
- 10) Swapnil D. Waghmare, **Ratnadeep R. Deshmukh**, Babasaheb S. Sonawane, "**Recognition System for Stuttered Isolated Spoken Marathi Numeric Words**", Publisher: LAP LAMBERT Academic Publishing (November 27, 2017) Language: English, ISBN-10: 6202066334, ISBN-13: 978-6202066334 (Available on Amazon.com)
- 11) Sangeeta Kakarwal, **Ratnadeep R. Deshmukh**, Anil V. Turukmane "Fundamentals of Soft Computing", Publisher: LAP LAMBERT Academic Publishing (January 25, 2017) Language: English, ISBN-10: 3330034106, ISBN-13: 978-3330034105 ((Available on Amazon.com)).
- 12) A. S. Gavali, **R. R. Deshmukh**, S. N. Kakarwal, "Analysis of 3D Face Recognition Robust to Expressions and Occlusions", LAP LAMBERT Academic Publishing (April 05, 2017) Language: English, ISBN-10: 3659824577, ISBN-13: 978-3659824579 (Available on Amazon.com)

**(b) Book Chapters: 01**

- 1) R. Gangwal, R. Deshmukh and M. Emmanuel, "**Big Data Predictive Analysis for Detection of Prostate Cancer on Cloud-Based Platform: Microsoft Azure**", in *Privacy and security policies in big data*, 1st ed., S. Tamane, V. Solanki and N. Dey, Ed. IGI GLOBAL PUBLICATION, 2017. (ISSN:1948-9730; eISSN: 1948-9749)
- 2) **Magazine Article :**
  - 1) Pooja V. Janse, R.R. Deshmukh, "**Smart City: A Step towards Sustainable Development**", CSI Communication, Vol.40, Issue 2, May 2016 (ISSN: 0970-647X), PP 27-29.
  - 2) Swapnil D. Waghmare, R.R. Deshmukh, "**Speech, language Disorder Detection and Altered Auditory Feedback: A Practitioner Approach**", CSI Communication, Vol.42, Issue 5 & 6, May 2018 (ISSN: 0970-647X), PP 31-33.
  - 3) S N Kakarwal, **R R Deshmukh**, "**Pattern Recognition based approach for Real time recognition of Human Activities in Videos**", CSI Communication, Vol.41, Issue 11, Feb 2018 (ISSN: 0970-647X), PP 50-51
  - 4) Ritesh A Gagwal, **Ratnadeep R. Deshmukh**, Emmanuel M., "**Application of Pattern Recognition in Medical Imaging and Computational Analytics for Cancer Detection.**", CSI Communication, Vol.41, Issue 12, March 2018 (ISSN: 0970-647X), PP 50-51.
  - 5) S. N. Kakarwal, D. V. Kurmude and **R. R. Deshmukh**, "**Role of Big Data in Agriculture**", CSI Communication, Vol.42, Issue 07, November 2018 (ISSN: 0970-647X), PP 17-19.
  - 6) S. N. Kakarwal, **R. R. Deshmukh** and D. V. Kurmude, "**Role of ICT in Education**", CSI Communication, Vol.42, Issue 07, November 2018 (ISSN: 0970-647X), PP 29-30.

**(c) Patent(03):**

- 1) Indian Patent File - Application No. 201721019076
- 2) Indian Patent File - Application No. 201721042194
- 3) Indian Patent File - Application No.201821037901

**(d) Details of Research Papers Published: 180**

**I) Paper Published in International/National Journal: 93**

- 1) Bhagat, Kanchan & B. Patil, Pramod & Deshmukh, Ratnadeep & Kirange, D &Waghmare Swapnil. (2017), "**Iris recognition using radon transform and GLCM**" 2257-2263. 10.1109/ICACCI.2017.8126182, IEEE Explorer.
- 1) Khandizod Anita, Ratnadeep Deshmukh, and SushmaBorade. "**Spectral Biometric Verification System for Person Identification.**" Information and Communication Technology for Sustainable Development. Springer, Singapore, 2018. 103-111.
- 2) Padmanabhi, Ashwini Dilip, and Ratnadeep R. Deshmukh. "**Hyperspectral Analysis of Soil Total Nitrogen using PLSR Method: A Review.**" International Journal of Theoretical and Applied Mechanics 12.2 (2017): 357-364.
- 3) Ansari Saima, Ashwini Padmanabhi, R.R. Deshmukh "**Spectral Estimation of Soil Moisture Content using Semi Empirical Soil Model in the 0.4-2.5 um Domain.**", International Journal of Computer Applications Technology and Research Volume 6– Issue 7, 338-343, 2017, ISSN:-2319–8656.
- 4) Ansari Saima, and Ratnadeep R. Deshmukh. "**Estimation of Soil Moisture Content: A Review.**" International Journal of Theoretical and Applied Mechanics 12.3 (2017): 571-577.
- 5) Swapnil. D. Waghmare, R.R. Deshmukh, P. P. Shrishrimal, V.B. Waghmare, G.B. Janvale, "**Stuttered Isolated Spoken Marathi Speech Recognition by using MFCC and LPC**", International Journal of Innovations in Engineering and Technology (IJJET), Vol. 08, Issue 3, June-2017, ISSN:2319-1058, June-2017,RID: P-8165-2015, (**Impact Factor: 0.672**).
- 6) Swapnil. D. Waghmare, R.R. Deshmukh, P. P. Shrishrimal, V.B. Waghmare, G.B. Janvale, B.S. Sonawane, "**A Comparative Study of Recognition Technique Used for Development of Automatic Stuttered Speech Dysfluency Recognition System**", Indian Journal of Science and Technology, Vol 10, Issue 21,pp. 1-16, June-2017, ISSN : 0974-5645 with (**Impact Factor 0.564 Thomson Reuters (Web of Science)**)
- 7) SushmaGuthe, R. R. Deshmukh. "**Estimation of Phosphorus Content in Leaves of Plants using PLSRand SVMR: A Review.**"International Journal of Advanced Research in Computer Science,Volume 8, No. 5, May-June 2017(ISBN:0976-5697).
- 8) SmitaKhajekar, R. R. Deshmukh. "**Identification of Copper Content in Soil: A Review**"International Journal of Advanced Research in Computer Science,Volume 8, No. 5, May-June 2017(ISBN:0976-5697).

- 9) Rahul B. Kharat, Ratnadeep R. Deshmukh, "**Analysis of Effective Leaf Nitrogen Concentrations in Tomato Plant using Vegetation Indices**", International Journal of Engineering Science and Computing, Vol. 6, No. 8, August-2016, (ISSN: ), pp. 2397-2400.
- 10) Devyani S. Kulkarni, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, Swapnil D. Waghmare, "**HTK Based Speech Recognition Systems for Indian Regional languages: A Review**", International Research Journal of Engineering and Technology (IRJET), Volume: 03 Issue: 07, July-2016, (ISSN: 2395 -0056), PP 595-608
- 11) Shaikh Naziya S., R.R. Deshmukh, "**Speech Recognition System – A Review**", IOSR Journal of Computer Engineering, Vol. 18, Issue 4, (Jul-Aug 2016), (ISSN: 2278-8727), PP 01-09,
- 12) Swati B. Magare, Ratnadeep R. Deshmukh, "**Analysis of Effect of 2,4-D Amine on Chlorophyll Content in Crops**", International Journal of Engineering Science and Computing, Vol. 6, No. 6, June 2016, (ISSN: 2250-1371), pp.
- 13) Pooja V. Janse, R.R. Deshmukh, "**Smart City: A Step towards Sustainable Development**", CSI Communication, Vol.40, Issue 2, May 2016 (ISSN: 0970-647X), PP 27-29.
- 14) Archana Mate, Ratnadeep R. Deshmukh, "**Analysis of Effects of Air Pollution on Chlorophyll, Water, Carotenoid and Anthocyanin Content of Tree Leaves Using Spectral Indices**", International Journal of Engineering Science and Computing, Vol. 6, No. 5, May 2016, (ISSN: 2321-3361) pp. 5465-5474
- 15) Devyani Kulkarni, Ratnadeep R. Deshmukh, Pukhraj Shrishrimal, "**A Review of Speech Signal Enhancement Techniques**", International Journal of Computer Application, Vol. 139, No. 14, April 2016, (ISSN: 0975-8887), pp. 23-26.
- 16) Rahul B. Kharat, Ratnadeep R. Deshmukh, "**To Study the Effect of Leaf Nitrogen Concentrations over Plant Growth**", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, No. 4, April 2016, (ISSN: 2319-8753) pp. 6956-6960.
- 17) D. K. Kirange, R. R. Deshmukh, "**Sentiment Analysis of News Headlines for Stock Price Prediction**", An International Journal of Advanced Computer Technology, Vol-5, No. 3, March - 2016, (ISSN: 2320-0790), pp. 2080-2084.
- 18) Swati B. Magare, Ratnadeep R. Deshmukh, "**To Study The Impact of Glyphosate on Chlorophyll Content of Crops**", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 5, No. 3, March 2016 (ISSN: 2319-8753), pp. 3036-3040.
- 19) Jaypalsing Kayte, Sangramsing Kayte, Suvarnsing Bhabale, Raju Maher, R. R. Deshmukh, "**Modification and Climate Change Analysis of surrounding Environment using Remote Sensing and Geographical Information System**", IOSR Journal of

Computer Engineering (IOSR-JCE), Vol. 17, No. 6, Nov-Dec 2015, (ISSN: 2278-0661), pp. 138-146.

- 20) Rita B. Patil, R. R. Deshmukh, "**Development of Iris Recognition System for Person Identification**", International Journal of Engineering Research and Technology (IJRIT), Vol. 3, No. 11, November 2015, (ISSN: 2001-5569), pp. 81-86.
- 21) Archana R. Mate, Dr. Ratnadeep R. Deshmukh, "**To Control Effects of Air Pollution Using Roadside Trees**", International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 4, No. 11, November 2015, (ISSN: 2319-8753) pp. 11167-11172.
- 22) Aaron M. Oirere, Ganesh B. Janvale, Ratnadeep R. Deshmukh, "**Automatic Speech Recognition and Verification using LPC, MFCC and SVM**", International Journal of Computer Application (IJCA), Vol. 127, No. 8, October 2015, (ISSN:0975-8887), pp. 47-52.
- 23) ShaikhNilofer, R. R. Deshmukh, V. B. Waghmare, "**Comparative Analysis of Pitch and Formant for Recognizing Emotions of Isolated Marathi Speech**", International Journal of Computer Applications (IJCA), Vol. 128, No.3, October 2015 (ISSN:0975-8887), pp. 44-46.
- 24) Kishori Ghule, R. R. Deshmukh, "**Automatic Speech Recognition System using MFCC and DTW for Marathi Isolated Words**", International Journal of Technology Enhancements and Emerging Engineering Research, Vol. 3, No. 9, September 2015, (ISSN 2347-4289), pp. 11-13.
- 25) Maheshkumar B. Landge, R. R. Deshmukh, P. P. Shrishrimal, "**Analysis of Variations in Speech in Different Age Groups using Prosody Technique**", International Journal of Computer Applications (IJCA), Vol. 126, No. 1, September 2015, (ISSN: 0975-8887), pp. 14-17
- 26) Praphulla A. Sawakare, Ratndeeep R. Deshmukh, Pukhraj P. Shrishrimal, "**Speech Recognition Techniques: A Review**", International Journal of Scientific & Engineering Research, Vol. 6, No. 8, August 2015, (ISSN: 2229-5518), pp. 1693-1698.
- 27) Sonali Ingale, R. R. Deshmukh, "**Sentiment Classification for Product Review Analysis**", International Journal of Engineering Research & Technology (IJERT), Vol. 4, No. 7, July 2015, (ISSN: 2278-0181), pp. 646-650
- 28) Sonali Ingale, R. R. Deshmukh, "**Identifying and Ranking Dominating Product Features using NLP Technique**", International Journal of Computer Applications (IJCA), Vol. 122, No. 17, July 2015, (ISSN: 0975-8887), pp. 14-17
- 29) Kishori Pawar, R. R. Deshmukh, "**Twitter Sentiment Classification on Sanders Data Using Hybrid Approach**", IOSR Journal of Computer Engineering (IOSR-JCE), Vol. 17, No. 4, July 2015, (ISSN: 2278-0661), pp. 118-123
- 30) Suman Saksamudre, R. R. Deshmukh, "**Isolated Word Recognition System for Hindi Language**", International Journal of Computer Sciences and Engineering, Vol. 3, No. 7, July 2015, (ISSN: 2347-2693), pp. 110-114.

- 31) Suman Saksamudre, R. R. Deshmukh, "**Comparative Study of Isolated Word Recognition System for Hindi Language**", International Journal of Engineering Research & Technology (IJERT), Vol. 4, No. 7, July 2015, ISSN: 2278-0181, pp. 536-540.
- 32) Snehal S. Patwardhan, Ratnadeep R. Deshmukh, "**A Review on Offline Handwritten Recognition of Devnagari Script**", International Journal of Computer Applications, Vol. 117, No. 19, May 2015, ISSN: 0975-8887, pp. 7-10.
- 33) Suman K. Saksamudre, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, "**A Review on Different Approaches for Speech Recognition System**", International Journal of Computer Applications, Vol. 115, No. 22, April 2015, ISSN: 0975-8887, pp. 23-28.
- 34) Kishori K. Pawar, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, "**Twitter Sentiment Analysis: A Review**", International Journal of Scientific & Engineering Research, Vol. 6, No. 4, April 2015, ISSN: 2229-5518, pp. 957-964.
- 35) Shaikh Nilofer R. A., Rani. P. Gadhe, Ratnadeep R. Deshmukh, Vishal B. Waghmare, Pukhraj P. Shrishrimal, "**Automatic Emotion Recognition from Speech Signals: A Review**", International Journal of Scientific & Engineering Research, Vol. 6, No. 4, April 2015, ISSN: 2229-5518, pp. 636-639.
- 36) Rani. P. Gadhe, Shaikh Nilofer R. A., Ratnadeep R. Deshmukh, Vishal B. Waghmare, Pukhraj P. Shrishrimal, "**Emotion Recognition from Speech: A Survey**", International Journal of Scientific & Engineering Research, Vol. 6, No. 4, April 2015, ISSN: 2229-5518, pp. 632-635.
- 37) Kishori R. Ghule, Ratnadeep R. Deshmukh, "**Feature Extraction Techniques for Speech Recognition: A Review**", International Journal of Scientific & Engineering Research, Vol. 6, No. 4, April 2015, ISSN: 2229-5518, pp. 143-147.
- 38) Urmila M. Sawant, Kalyan K. Pattekar, S. D. Sapkal, R. R. Deshmukh, "**Biometric Fingerprint Combination to Improve Anonymity Protection**", IOSR Journal of Computer Engineering (IOSR-JCE), Vol. 17, No. 2, March-April 2015, (ISSN: 278-0661), pp. 75-78.
- 39) D. K. Kirange, Ratnadeep R. Deshmukh, "**Emotion Classification of Restaurant and Laptop Review Dataset :Semeval 2014 Task 4**", International Journal of Computer Application. Vol. 113, No.6, March 2015, ISSN: 0975-8887, pp. 17-20
- 40) Manjusha Deshmukh, Ratnadeep R. Deshmukh, Sangeeta Kakarwal, "**Mobility Aware Refined Counter Based Broadcasting Model of MANET**", International Journal of Engineering and Technology, Vol. 2, No. 1, March 2015, ISSN: 2395-0056, pp. 31-34.
- 41) Smita Zol, R. R. Deshmukh, "**A Comparative Study of MRI Image Segmentation based on Fast Kernel Clustering Analysis**", International Journal of Computer Application, Vol. 110, No. 6, January 2015, ISSN: 0975-8887, pp.26-29

- 42) Smita Zol, R. R. Deshmukh, "**A Study of Segmentation Methods for Detection of Diseases from Brain MRI**", International Journal of Science and Research(IJSR), Vol. 3, Issue. 12, December 2014, ISSN: 2319-7064, pp.1959-1963
- 43) Smita Zol, R. R. Deshmukh, "**A Comparative Study of Segmentation Techniques used for Brain Tumor Detection from Pre-processed MR Images**", International Journal of Science and Research(IJSR), Vol. 3, Issue. 12, December 2014, ISSN: 2319-7064, pp.2260-2263
- 44) Smita Zol, R. R. Deshmukh, "**A Review on Efficient Detection of Diseases from MRI using Thresholding and Deformable Models**", International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 4, Issue. 12, December 2014, ISSN: 2277-128x, pp.363-366
- 45) Pratik K. Kurzekar, Ratnadeep R. Deshmukh, Vishal B. Waghmare, Pukhraj P. Shrishrimal, "**A Comparative Study of Feature Extraction Techniques for Speech Recognition System**", International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, No. 12, December 2014, ISSN: 2319-8753, pp.18006-18016
- 46) Sonali D. Ingale, R. R. Deshmukh, "**A Survey on Sentiment Mining**", International Journal on Recent and Innovation Trends in Computing and Communication, Vol. 2, Issue. 11, November 2014, ISSN: 2321-8169, pp. 3595-3601
- 47) V. K. Kale, R. R. Deshmukh, G. B. Janvale, V. B. Waghmare, P. P. Shrishrimal, "**Isolated English Words Recognition Spoken by Non-Native Speakers**", International Research Journal of Computer Science (IRJCS), Vol. 1, No. 3, November 2014, ISSN: 2393-9842, pp. 7-12
- 48) Shubhangi D. Patil, Ratnadeep R. Deshmukh, "**Review of Twitter Sentiment Analysis**", International Journal of Scientific & Engineering Research, Vol. 5, No. 10, October 2014, ISSN: 2229-5518, pp. 1616-1623
- 49) Sujata S Magare, Ratnadeep R Deshmukh, "**Offline Handwritten Sanskrit Character Recognition Using Hough Transform and Euclidean Distance**", International Journal of Innovation and Scientific Research (IJSR), Vol. 10 No. 2, October 2014, ISSN: 2351-8014, pp. 295-302
- 50) D. K. Kirange, Ratnadeep R. Deshmukh, "**Aspect Based Sentiment Analysis Semeval-2014 Task 4**", Asian Journal of Computer Science And Information Technology (AJCSIT), Vol. 4, No. 8, August 2014, ISSN: 2249-5126, pp. 72-75.
- 51) M. A. Z. Javeed, S. Sapkal, R. R. Deshmukh, "**Fixed-Rank Representation for Image Classification Using ANN and KNN**", in International Organization of Scientific Research Journals (IOSR), Vol. 16, no. 4, July-August 2014, e-ISSN: 2278-0661, p-ISSN: 2278-8727, pp. 70-74
- 52) P. V. Janse, R. R. Deshmukh, S. B. Magre, "**Design and Development of Speech Database for Travel Purpose in Marathi**", in International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 3, no. 7, July 2014, ISSN: 2320-088X, pp. 872-875.

- 53) Ritesh A. Gangwal, Ratnadeep R. Deshmukh, "**Prostate Cancer Identification Using Segmentation and Kernel Based Classifier in Magnetic Resonance Images**", in International Journal of Computer & Electronic Research (IJCER), Vol. 3, no. 3, June 2014, ISSN: 2278-5795, pp. 138-141
- 54) Smita B. Magre, Ratnadeep R. Deshmukh, "**Design and Development of Automatic Speech Recognition of Isolated Marathi Words for Agricultural Purpose**", in International Organization of Scientific Research Journals (IOSRJ), Vol. 16, no. 3, May - June 2014, e-ISSN: 2278-0661, p-ISSN: 2278-8727, pp. 79-85.
- 55) S. Gawali, R. R. Deshmukh, "**3D Face Recognition Using Geodesic Facial Curves to Handle Expression, Occlusion and Pose Variations**", in International Journal of Computer Science and IT (IJCSIT), Vol. 5, No. 3, May - June 2014, ISSN: 0975-9646, pp. 4284-4287.
- 56) P. K. Kurzekar, R. R. Deshmukh, V. B. Waghmare, P. P. Shrishrimal "**Continuous Speech Recognition System: A Review**", in Asian Journal Computer Science & Information Technology (AJCSIT), Vol. 4, No. 6, June 2014, ISSN: 2249-5126, pp. 62-66.
- 57) P. P. Shrishrimal, R. R. Deshmukh, V. B. Waghmare, "**Marathi Isolated Words Speech Database for Agriculture Purpose**" in International Journal of Engineering Innovations and Research (IJEIR) Vol. 3, Issue 3, May-June 2014, ISSN: 2277-5668, pp. 248-253 [**Impact Factor: SJIF = 3.121**].
- 58) V. B. Waghmare, R. R. Deshmukh, P. P. Shrishrimal, G. B. Janvale, "**Development of Isolated Marathi Words Emotional Speech Database**" in International Journal of Computer Application (IJCA) Vol. 94, Issue 4, May 2014, ISSN: 0975-8887 pp. 19-22 [**Impact Factor: 0.831**].
- 59) Sushma Niket Borade, Ratnadeep R. Deshmukh, "**Comparative Study of Principal Component Analysis and Independent Component Analysis**" in International Journal of Computer Application (IJCA) Vol. 92, Issue 15, April 2014, ISSN: 0975 - 8887, pp. 45-49 [**Impact Factor: 0.831**].
- 60) Paras V. Kothare, Yogesh K. Gedam, Ratnadeep R. Deshmukh, "**Ranking Algorithm RA-SVM for Domain Adaption: A Review**" in International Journal of Scientific and Engineering Research (IJSER), Volume 5, Issue 4, April-2014, ISSN: 2229-5518, pp. 503-507.
- 61) V. K. Kale, R. R. Deshmukh, G. B. Janvale, "**Development of English Language Isolated Words Corpus and Views on Recognition Methods**" in International Journal of Innovative Research in Technology & Science (IJIRIS), Vol. 2 no. 2, March 2014, ISSN: 2231-1156, pp. 56-61.
- 62) Sonal Deshmukh, Ratnadeep Deshmukh, Sachin Deshmukh, "**Performance Analysis of Different Sentence Oddity Measures Applied on Google and Google News Repository for Detection of Substitution**" in International Refereed Journal of Engineering and Science (IRJES), Volume 3, Issue 3, March-2014, ISSN: 2319-183X, pp. 20-25.

- 63) Anita G. Khandizod, R. R. Deshmukh, **“Analysis and Feature Extraction using Wavelet based Image Fusion for Multispectral Palmprint Recognition”** in International Journal of Enhanced Research in Management & Computer Applications (IJERMCA) Vol. 3, Issue 3, March 2014, ISSN: 2319-7471, pp. 57-64.
- 64) Yogesh K. Gedam, Sujata S. Magare, Amrapali C. Dabhade, Ratnadeep R. Deshmukh, **“Design and Development of Speech Database of Marathi Numerals”** in International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 4, No. 3, March-2014, ISSN: 2277-128X, pp. 1-6.
- 65) Y. K. Gedam, S. S. Magare, A. C. Dabhade, R. R. Deshmukh, **“Development of Automatic Speech Recognition of Marathi Numerals-A Review”** in International Journal of Engineering and Innovative Technology (IJEIT), Volume 3, Issue 9, March-2014, ISSN: 2277-3754, pp. 198-203.
- 66) S. B. Magre, P. V. Janse, R. R. Deshmukh, **“A Review on Feature Extraction and Noise Reduction Technique”** in International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 2, February-2014, ISSN: 2277-128X, pp. 352-356.
- 67) Anita G. Khandizod, R. R. Deshmukh, **“Multispectral Palm print Image Fusion- A Review”** in International Journal of Engineering Research & Technology (IJERT) Vol. 3, Issue 2, February 2014, ISSN: 2278-0181, pp. 2054-2058.
- 68) Kakarwal Sangeeta, Ratnadeep Deshmukh, Vandana Jadhav Patil, **“Statistical Analysis of Face Recognition Technique”** in International Journal of Electronics Communication and Computer Engineering (IJECCCE) Vol. 5, Issue 1, January 2014, ISSN: 2249-071X pp. 115-119.
- 69) S. S. Magare, Y. K. Gedam, D. S. Randhave, R. R. Deshmukh, **“Character Recognition of Gujarati and Devanagari Script: A Review”** in International Journal of Engineering Research and Technology (IJERT), Volume 3, Issue 1, January-2014, ISSN: 2278-0181, pp. 3279-3282.
- 70) P. V. Janse, S. B. Magre, P. K. Kurzekar, R. R. Deshmukh, **“A Comparative Study between MFCC and DWT Feature Extraction Technique”** in International Journal of Engineering Research and Technology (IJERT), Volume 3, Issue 1, January-2014, ISSN: 2278-0181, pp. 3124-3127.
- 71) R. B. Patil, R. R. Deshmukh, **“A Review on Feature Extraction Techniques of Iris”** in International Journal of Engineering Research & Technology (IJERT), Volume 2, Issue 12, December – 2013, ISSN: 2278-0181, pp. 2909-2912.
- 72) Shubhangi Sapkal, R.R. Deshmukh, **“Template Protection for Fingerprint Recognition System using Fuzzy Vault”** in International Journal of Engineering and Innovative Technology (IJEIT) Vol. 3, Issue 2, August 2013, ISSN: 2277-3754, pp. 26-29.
- 73) Aaron M. Oirere, Ratnadeep R. Deshmukh, P. P. Shrishrimal, **“Development of Isolated Numeric Speech Corpus for Swahili Language for Development of**

**Automatic Speech Recognition System”** in International Journal of Computer Application (IJCA) Vol. 74, No 11, July 2013, ISSN: 0975-8887, pp. 20-22. **[Impact Factor: 0.831]**

- 74)R. R. Deshmukh, D. K. Kirange, **“Classifying News Headlines for Providing User Centered E-Newspaper Using SVM”** in International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Vol. 2, Issue 3, May-June 2013, ISSN: 2278-6856, pp. 157-160 **[Impact Factor: 2.524]**.
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- 65) Datta Sable, RatnadeepDeshmukh, "**ZigBee: Wireless Technology for Low-Power Sensor Networks**" at International Technical Symposium "Techno-millennium 2006" organized at M.I.T. Engineering College, Aurangabad (15-17 Sept. 2006).
- 66) RavindraDeshmukh, RatnadeepDeshmukh, "**Analysis of Process of Centre less Grinding Machine for Betterment of Production**", at the International Conference on "Operations & Quantitative Management" organized by AIMS (Association of Indian Management Scholars), INFOMS (International Forum of Management Scholars) and University of Rajasthan at Jaipur (3-5 August, 2006).

### III) Papers Presented in National Conferences:21

- 1) Devyani S. Kulkarni, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, Swapnil D. Waghmare, "**Speaker Recognition Techniques: A Review**", at 103rd Indian Science Congress Organized by University of Mysore, Mysore (03-07 Jan 2016)
- 2) Swapnil D. Waghmare, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, Devyani S. Kulkarni, Ganesh B. Janvale, "**Speaker Recognition Techniques: A Review**", at 103rd Indian Science Congress Organized by University of Mysore, Mysore (03-07 Jan 2016)

- 3) Presented paper entitled "**Comparison of Kernel Based Classifier for Prostate Segmentation and Cancerous gland identification in Magnetic Resonance Imaging**" at National Conference on Innovations in IT and Management organized by Sinhgad Technical Education Society (STES), Sinhgad Institute of Management & Computer Application, Pune, (21 - 22 Feb 2014), ISBN No.978-81-927230-0-6:
- 4) Maheshkumar B. Landge, R. R. Deshmukh, P. P. Shrishrimal, R. R. Naik, "**A Review on Speech Analysis Methods**" at National Conference on Recent Advances in Information Technology, Organized by Department of Computer Science and Computer Applications, School of Computational Sciences, Solapur University, Solapur. (15-16 Feb-2014)
- 5) Vishal B. Waghmare, R. R. Deshmukh, "**Development of Artificial Marathi Emotional Speech Database**" at 101<sup>st</sup> Indian Science Congress organized by University of Jammu, Jammu. (03-07 Feb-2014)
- 6) Presented paper entitled "**Marathi Isolated Word Automatic Speech Recognition System based on Vector Quantization (VQ) Approach**" at 101<sup>st</sup> Indian Science Congress organized by University of Jammu, Jammu. (03-07 Feb-2014)
- 7) Anita G. Khandizod, R. R. Deshmukh, R. R. Manza, "**Wavelet-based image fusion and quality assessment of Multispectral Palmprint Recognition**" at the National Conference on Advances in Computing (NCAC-2013) organized by School of Computer Sciences, North Maharashtra University, Jalgaon (5-6 March 2013) ISBN No. 978-81-910591-7-5
- 8) RashmiBhale, Ratnadeep R. Deshmukh, "**Statistical View Towards Palm Print Recognition**" at National Conference on "Machine Learning (NCML-2012)" organized by Department of MCA, Siddhant College of Engineering, Pune. (15-17 March-2012).
- 9) Ganesh Janvale, Aaron M. Oirere, Vishal Waghmare, Ratnadeep Deshmukh, "**Designing of new proposed Technique for Lie Detection using EEG Signals**" at National Conference on "Computational Neuroscience (NCCNS-2011)" organized by Sinhgad Institute of Business Administration and Computer Application, Lonavala. (10-12 March-2011) ISBN-978-81-910118-9-0.
- 10) Amrita G. Purohit, Gauri O. Tiwari, C. Namrata Mahender, R. R. Deshmukh, "**Face Recognition System an PCA Approach**" at UGC Sponsored Two Days State Level Seminar on Recent Trends in Library & Computer Science organized by VasantNaikMahavidyalaya, Aurangabad. (17-18, February 2011).
- 11) R. R. Deshmukh, Vishal B. Waghmare, "**Bluetooth and Wi-Fi : Coexistence Issues and Solutions – Review**" at National Conference on "New Generation Wireless Communication Technologies" organized by IEEE Communication Society (Bombay & India Council Chapter) at L & T Institute of Technology, Bombay. (30-31 Oct-2009).
- 12) S. N. Kakarwal, R. R. Deshmukh, "**Face Recognition Using Probabilistic Neural Network**" at National Conference on "Recent Advances in Computers

&Communications” organized by Vidyalkar Institute of Technology, Wadala (E), Mumbai, 400037. (29-30 Sept-2008).

- 13) SavitaLothe, RatnadeepDeshmukh, **“Reduction of Image Based on Self Organizing Feature Map”** at National Conference on “Emerging Trends in Information Technology” organized by Dept. of Information Technology, P. E. S. College of Engineering, Aurangabad (28-29 Jan-2008).
- 14) Datta Sable, R. R. Deshmukh, M. S. Joshi, **“V-Ring: An Application Level Multicast Protocol, and its Implementation”**National Conference sponsored by IEEE Bombay Section on “Recent Trends in Electronics and Information Technology (RTEIT-2006)”& organized at SRES College of Engineering, Kopargaon (28-29 July 2006).
- 15) RatnadeepDeshmukh, Datta Sable, **“Super Resolution: A Review”** at National Level Technical Symposium “Technomillennium 2005” organized by M. I.T.EngineeringCollege, Aurangabad (15-17 September, 2005).
- 16) R. R. Deshmukh, D. S. Sable, **“Bluetooth and Wi-Fi : Coexistence Issues and Solutions”** at National Conference on “Recent Trends in Computer & Communication Networking” approved by I.S.T.E. and organized by Dept. of Electronics & Telecomm. Engg., and Dept. of C. S. & Engineering and Dept. of I.T., Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (2-3 July-2004).
- 17) R. R. Deshmukh, Datta Sable, **“Image Compression Techniques: A Review”** at National Conference on “Computer Communication and Security” organized by I.S.T.E. and Dept. of C.S. & I.T., Dr. B. A. M. University Aurangabad (4-5 Jan-2004).
- 18) R. R. Deshmukh, Datta Sable, **“Visual Sensing of Motion in Robot Work Space”** at National Conference on “Emerging Trends in Mechatronics” jointly organized by Dept. of Electronics/ Mechanical/Production Engineering, M. I. T. Aurangabad (23-24 July-2004).
- 19) P. E. Yewale, M. B. Joshi, S. P. Singh, Ratnadeep R. Deshmukh, **“Incidence of Twins in Nashik Region”** at National Conference on “Emerging Pollutants: Impact on Health, Agriculture and Environment” organized by Dept. of Environmental Science. Dr. B.A. M. University, Aurangabad. (29-31 Jan-2004).
- 20) D. V. Ratnalikar, M. B. Joshi, S. P. Singh, Ratnadeep R. Deshmukh, **“Studies on Yields and Plants Density Models- A Non Linear Approach”** at National Conference on “Emerging Pollutants: Impact on Health, Agriculture and Environment” organized by Dept. of Environmental Science. Dr. B.A. M. University, Aurangabad. (29-31 Jan-2004).
- 21) Ratnadeep R. Deshmukh, **“Determination of Midazolamine, Injection, where High- performance Liquid Chromatographic”** at National Conference on “Emerging Pollutants: Impact on Health, Agriculture and Environment” organized by Dept. of Environmental Science. Dr. B.A. M. University, Aurangabad. (29-31 Jan-2004).

**IV) Conferences/Workshops/Seminars Conducted/participated/ attended: 42**

- 1) Chaired Technical Session in 103<sup>rd</sup> Indian Science Congress, University of Mysore, Mysore, India (3<sup>rd</sup> – 7<sup>th</sup> January 2016).
- 2) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC - Human Resource Development Center, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (18<sup>th</sup> November to 8<sup>th</sup> December 2015).
- 3) Chaired Session and Participated in International Symposium on Intelligent Systems Technologies and Applications (ISTA'15), held at SCMS School of Engineering & Technology, Kochi, Kerala, India during 10<sup>th</sup> to 13<sup>th</sup> August 2015.
- 4) Chaired Session and Key Note Talk in 2<sup>nd</sup> International Conference “Emerging Trend in Computer Science, Communication and Information Technology” CSCIT2015 “KUSUM Auditorium”, YeshwantMahavidyalaya Campus, Nanded. February 09-11 2015
- 5) Chaired Technical Session in 102<sup>nd</sup> Indian Science Congress, Mumbai, India (3<sup>rd</sup> – 7<sup>th</sup> January 2015).
- 6) Chaired Two Days National Workshop on “Emerging Trends in Geo-Spatial Technology for Smart City” Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (19-20 September 2014).
- 7) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (7<sup>th</sup> to 27<sup>th</sup> November 2014).
- 8) Keynote Address in Valedictory Function during Short Term course on Research Grants, Publication & Methods organized by UGC Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University on 12/07/2014.
- 9) Chaired Technical Session in 101<sup>st</sup> Indian Science Congress, Jammu, India (3<sup>rd</sup> to 7<sup>th</sup> Feb 2014).
- 10) Chaired a Technical Session in National Workshop on “Microwave Remote Sensing” organized by Department of Computer Science & IT, Dr. B. A. M. University at Aurangabad (22<sup>nd</sup> – 24<sup>th</sup> January 2014).
- 11) Chaired a Session in 2<sup>nd</sup> International Conference on “Current Trends and Challenges in Management, Engineering, Computer Applications and Technology” organized by Deogiri Institute of Engineering and Management Studies and Choice Institute of Management Studies & Research, Pune at Aurangabad (23<sup>rd</sup> – 24<sup>th</sup> March 2013).
- 12) Attended One Day Workshop on “Integrating GeoSpatial Technology with e-Governance of an Indian District (IGST-2013)” Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (19<sup>th</sup> Jan 2013).
- 13) Chaired session in 100<sup>th</sup> Indian Science congress, Kolkata, India (3<sup>rd</sup> to 7<sup>th</sup> Jan 2013).

- 14) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (3<sup>rd</sup> to 27<sup>th</sup> September 2013).
- 15) Participated in 8<sup>th</sup> International conference on Microwave, Antenna, Propagation & Remote Sensing (ICMARS 2012), Organized by International centre for Radio Science, Jodhpur, India (11<sup>th</sup> -15<sup>th</sup> December 2012).
- 16) Chief Guest & Resource Person in All India Council for Technical Education, New Delhi (IIPC Cell) sponsored one week short term training program for teachers on "Innovative Instructional Tools: Use of Software" organized by Government College of Pharmacy, Aurangabad on 16<sup>th</sup> April 2012.
- 17) Attended One Day Workshop on "Right to Information Act 2005", organized by Dr. B. A. M. University, Aurangabad and Yeshwantrao Chavan Vikas Prashasan Prabodhini, Yashda, Pune on 16<sup>th</sup> March 2012.
- 18) Attended a One Day Workshop on Opportunities in DRDO, jointly held by Dr. B. A. M. University and G.S. Mandal's Maharashtra Institute of Technology, Aurangabad on 21<sup>st</sup> April 2012.
- 19) Session Chair in three days International Conference on Current Trends and Challenges in Management, Engineering, Computer Application and Technology (ICCTCMECAT - 2012) organized by Deogiri College, Aurangabad, India (23<sup>rd</sup>-25<sup>th</sup> March, 2012).
- 20) Attended one day Workshop arranged for designing of S.E. syllabus in Computer Science & Engineering, conducted by Dr. B. A. Marathwada University at MIT, Aurangabad, India (9<sup>th</sup> March 2012).
- 21) Attended one day Workshop National Vocational Education Qualification Framework jointly organized by AICTE, Delhi and DTE Maharashtra State. (05<sup>th</sup> March 2012).
- 22) Session Chair in three days International Conference on Recent Technologies (i-CORT 2012) organized by Institute of Knowledge College of Engineering, Pune, India (09<sup>th</sup> to 11<sup>th</sup> February, 2012).
- 23) Participated in one day Workshop on proposed "The Maharashtra Public Universities Act-2011" -Organized by S. B. College of Science, Aurangabad. (14<sup>th</sup> February 2012).
- 24) Participated in one day Seminar on "Software 2.0" - Emerging Competencies for Enterprise Solutions and Knowledge Based Engineering (KBE) Organized by Computer Society of India, Division II (Software) & CSI Aurangabad Chapter at Aurangabad. (9<sup>th</sup> October 2010).
- 25) Convener, three days National Workshop on Data Warehousing and Data Mining, at Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (25<sup>th</sup> to 27<sup>th</sup> February, 2010).

- 26) Session Chair in two days National Conference on Recent Trends in Computer Applications (NCRTCA-2010) at Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (17<sup>th</sup> to 18<sup>th</sup> February, 2010).
- 27) Participated and worked as Session Coordinator in three days 2<sup>nd</sup> "International Conference on Advances in Computer Vision & Information Technology" Organized by Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (17<sup>th</sup> to 19<sup>th</sup> December 2009).
- 28) Participated three days Workshop on Ontology, NLP, IE & IR organized by IIT, Bombay & Sponsored by HP Labs, Bangalore at CFILT, Bombay. (16<sup>th</sup> to 18<sup>th</sup> July, 2008).
- 29) Participated two days Workshop on Embedded Systems & Robotics organized by IETE & Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (24<sup>th</sup> to 25<sup>th</sup> March 2008).
- 30) Participated and worked as Session Coordinator in four days International Conference on "International Conference on Microwave & Optoelectronics" (ICMO-2007) Organized by Dept. of Computer Science & I.T. & Dept. of Physics at Dr. B.A.M. University, Aurangabad. (17<sup>th</sup> to 20<sup>th</sup> December 2007).
- 31) Participated and worked as Session Coordinator in three days 1<sup>st</sup> "International Conference on Advances in Computer Vision & Information Technology" Organized by Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (28<sup>th</sup> to 30<sup>th</sup> November 2007).
- 32) Participated in two days 27<sup>th</sup> Annual State Level Conference on "Strength & Limitation of Higher Education" Organized by Dr. B.A.M. University Principals Association at SaraswatiBhuvan Education Society's, College of Science, Aurangabad (20<sup>th</sup> to 21<sup>st</sup> January 2007).
- 33) Participated two days Short Term Training Program on Open Source My-SQL & PHP-2005 (OSMP - 2005), Organized by Dept. of Computer Science and Engineering, Govt. College of Engineering, Aurangabad. (21<sup>st</sup> to 22<sup>nd</sup> Feb 2005).
- 34) Attended NAAC sponsored two days State Level Seminar on "Access, Equity and Quality in Higher Education", Organized by M.S.P. Mandal's Deogiri College, Aurangabad. (29<sup>th</sup> to 30<sup>th</sup> April 2005).
- 35) Attended one day Workshop on E-Education organized by Dept. of Computer Science & Information Technology and Dept. of Library & Information Science and University Library. (16<sup>th</sup> September 2004).
- 36) Attended one day workshop on Guidance and Preview of T.E. (I.T) Structure and syllabus. (7<sup>th</sup> August 2002).
- 37) Participated in National Conference on "Emerging Trends in Engineering Education" Organized by D.T.E. and Govt. Engineering College, at Aurangabad. (25<sup>th</sup> to 26<sup>th</sup> October 2002).

- 38) Participated in the Exhibition Cum Seminar and Workshop on the *e-com* perspective held at Aurangabad. (2<sup>nd</sup>- 4<sup>th</sup> Feb 2001).
- 39) Attended two days Awareness Workshop on Accreditation (N.B.A.) conducted at V.I.T. Pune. (8<sup>th</sup> to 9<sup>th</sup> April 2001).
- 40) Attended one-day meet/workshop organized by M.S.B.T.E. R.O. Aurangabad on “Role of Principal in Effective Curricular Implementation” (22<sup>nd</sup> October-2001).
- 41) Participated two days National Workshop on “A.T.M Technology for Multimedia Applications”, organized by S.S.G.M. College of Engineering, Shegaon. (12<sup>th</sup> to 13<sup>th</sup> Feb 2000).
- 42) Attended one day National Workshop on “Impact of Information Technology on Technical Education”, Organized by Government College of Engineering, Pune. (24<sup>th</sup> Feb 2000).

**(K) ADMINISRATIVE EXPERIENCE:**

1. **Chairman**, Admission Committee for M. Sc. (Computer Science) & M. Sc. (Information Technology) the year 2007-08 to 2008-09.
  2. **Member**, M.S.B.T.E. Regional Assessment Center (RAC) Monitoring Committee at Govt. Polytechnic, Aurangabad. (April-May-2002).
  3. **Chairman** of Vigilance Squad for MSCIT Exam. Dec.-2003 Conducted by M. S. Board of Technical Education, R. O. Aurangabad.
  4. **Chairman**, Admission Committee for the year 2000-2001.
  5. **Member**, Admission Committee for the year 1999-2000.
  6. **Controller**, M.S.B.T.E. Exam in Pharmacy at Kamala Nehru Polytechnic, (Pharmacy) (April-1997).
  7. **Officer-In charge**, M.S.B.T.E. Exam at M.I.T. Polytechnic (Nov-Dec, 1999).
  8. **Co-ordinator**, Y.C.M.O.U. Nashik Examination at M.I.T. Aurangabad July-1999).
  9. **Member**, Academic Monitoring Committee of the years 2000-01& 2001-02.
  10. **Member**, Internal Squad for M.S.B.T.E. Exam at M.I.T. Aurangabad (April-May, 2001, Nov, 2000, April-2000, Nov, 1998).
- (L)**
1. Completed **AS/400** Training at M.I.T. Aurangabad.
  2. Organized an Internet Workshop at M.I.T. Aurangabad.
  3. Completed the training in AUTOMOBILE PRODUCTS OF INDIA LTD. (API), Aurangabad (For 45 days.)

***(Dr. R. R. DESHMUKH)***