

Curriculum Vitae

Dr. DESHMUKH RATNADEEP RAGHUNATHRAO
Former Professor & Former Head,
Visiting Professor, Southern Federal University,
Rostov, Russia

Department of Computer Science & I. T.,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad-431004 (MS) India.



1. Personal Details:

Resi. Address	: "VAN-LAKXMI", D-8, Shevanti Type, Tirupati Park, N-4, CIDCO, AURANGABAD. PIN: 431 003.		
Contact	: +91-9423147466, 7588061755		
Email	: rrdeshmukh.csit@bamu.ac.in, ratnadeep_deshmukh@yahoo.co.in		
Date of Birth	: 09 TH May 1963	Sex	: Male
Nationality	: Indian	Marital Status:	Married
Languages Known	: English, Hindi, Marathi		
Website	: http://www.drratnadeep.in/		
YouTube Chanel	: https://www.youtube.com/c/RatnadeepDeshmukh		

2. Educational Qualifications:

Sr.no	Qualification	University	Grade obtained
1	Ph.D.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Topic: "Contribution to some Problems in Operations Research with Special References to Transportation"
2	M.E. (CSE)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	A
3	M.Sc. (CSE)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	A

3. Teaching and Administrative Experience: 31.5 Years

3.1 Positions Held

Positions	Organization	Period	Nature of Work
Professor	Department of Computer Science & I. T., Dr. B. A. M. University, Aurangabad.	March 2013 to till date	Teaching and Research
Professor & Head	Department of Computer Science & I. T., Dr. B. A. M. University, Aurangabad.	Aug 2014 to Aug 2017	Administrative, Teaching and Research

Associate Professor	Department of Computer Science & I. T., Dr. B. A. M. University, Aurangabad.	March 2007 to March 2013	Teaching and Research
Director	Navjeevan Institute of Management, Nashik	February 2006 to March 2007	Teaching, Research & Administration
Director	VIASMSC, Aurangabad	March 2004 to 25 Feb 2006	Teaching, Research & Administration
Principal, (Additional Charge)	M.I.T. Polytechnic, Aurangabad	August 2001 to Feb 2004	Teaching, Research & Administration
Lecturer	M.I.T. College of Engineering, Aurangabad	April 1992 to Feb 2004	Teaching and Research
Coordinator	Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik	Academic Year 2003-04	Coordination of YCMOU-MIT Courses run at College(B. Tech, Diploma)

4. Research Contribution:

4.1 Student Guided

Sr.no	Course Name	Awarded	Working
1	Ph.D.	19	08
2	MPhil	16	00
3	M.Tech	24	02

4.2 Research Projects Ongoing/Completed

Sr.no	Title	Sponsored by	Amount	Status
1	Rajiv Gandhi Science and Technology Commission	Govt. of India	Rs. 50,000,00/-	Ongoing
2	महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ, महाराष्ट्र शासन, for development of Marathi Vishvakosh in the subject of InformationTechnology and Computer Science.	MaharashtraGovt.	Rs.9,60,000/-	Ongoing
3	DST-FIST support for Hyper Spectral ImageAnalysis of RS and GIS (2013-20).	DST	Rs.1,22,00,000 /-	Completed
4	“Perception and Modelling of 3 Dimensional Scense” (2017-18).	Global Initiative of Academic Networks (GIAN),Program	Rs.6,49,931/-	Completed

5	Development of Database and Automatic Recognition System for Continuous Marathi Spoken Language for Agriculture Purpose in Marathwada Region	UGC	Rs. 13,61,454/-	Completed
6	Development of Marathi Emotional Speech Database for Marathwada Region	University-UGC	Rs. 10,000/-	Completed
Total			Rs.2,01,81,385/-	

4.3 Publications

Sr. No.	Publication Particulars	Detail
1	Patents	10 (03: Awarded; 07 Published)
2	Copyrights	08 : Published
3	Book Published	15
4	Book Chapters	01
5	Magazine Article	14
6	International/National Journal	150
7	International Conferences	113
8	National Conferences	20
Total Publication		331

5. Significant Positions:

5.1 University Level:

1. **Management Council Member**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From August 2011 to September 2014).
2. **Chancellor's nominated Member** of the Senate, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (September 2005-2010).
3. **Senate Member**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2011-2014).
4. **Member**, Academic Council, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Since 2018.
5. **Chairman**, Board of Studies in Computer Science and Engineering, Dr. B. A. M. University, Aurangabad Since 2018.

6. **Chairman**, Ad-hoc Board of Computer Science & IT, Dr. B.A. Marathwada University, Aurangabad (2011-2016).
7. **Chairman**, Ad-hoc Board of Bio-informatics, Dr. B. A. Marathwada University, Aurangabad (2013-2015).

5.2 State Level Position:

1. **समन्वयक**, महाराष्ट्र राज्य मराठी विश्वकोश निर्मिती मंडळ, महाराष्ट्र शासन for developmen of Marathi Vishvakosh in the subject of Information Technology and Computer Science. (From 17th May 2017).
2. **Subject Expert**, Computer Science, MPSC, Mumbai Since 2018.
3. **Member**, Ad-Hoc Board of Studies in Computer Engineering, Mumbai University, Mumbai (From June 2012).
4. **Member**, Ad-Hoc Board of Studies in Computer Science, SRTMU University, Nanded Since 2021.
5. **Member**, Ad-Hoc Board of Studies in Computer Science, Savitribai Phule Pune, University, Pune Since 2017.
6. **Member**, Board of Study Computer Science, Solapur University, Solapur (Since December 2010).
7. **Member**, Board of Study Computer Engineering, Mumbai University, Mumbai (2012-2015).
8. **Subject Expert**, Research Recognition Committee, Gondwana University, Gadchiroli.
9. **Member**, Research & Recognition Committee in Computer Science and Engineering, Faculty of Science and Technology, Dr. B. A. M. University, Aurangabad (Since 2011).

5.3 National Level Positions

1. **Peer Review Team Member**, National Assessment and Accreditation Council (NAAC), Bangalore, Karnataka, Since 2019.
2. **Member**, All India Board of Information Technology Education, (AIB-ITE) to prepare model curriculum for MCA programme.
3. **Member**, Technical Committee at All India Council for Technical Education (AICTE),

New Delhi (February 2011).

4. **Sectional President**, ICT Section, The Indian Science Congress Association, 2019.
5. **Coordinator**, Global Initiative of Academic Networks (GIAN), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (From October 2016).
6. **Governing Council Member**, Institute of Electronics and Telecommunication Engineering, New Delhi Since 2021.
7. **Editor In Chief**, Computer Society of India (CSI), Mumbai Since 2019.

5.4 International Positions

1. **Member**, Curriculum Advisory Board for the Master in Data Science Programme, Namibia University of Science and Technology, Namibia.
2. **Member**, Program Committee (PC), O-COCOSDA2020, hosted by University of Computer Studies, Eyangol (UCSY) and O-COCOSDA2021 organized by hosted by Chinese and Oriental Languages Information Processing Society (COLIPS) and National University of Singapore (NUS) since 2017 to 2022.
3. **Publication and Publicity Chair** for 2nd International Conference on Deep Learning, Artificial Intelligence and Robotics (ICDLAIR) 2020, Italy.
4. **Member**, Technical Programme Committee(TPC), International Conference on DSMLAI-2021, 2022 Organized by Namibia University of Science and Technology, Namibia.

6. Awards:

1. Received One Month Fellowship under the **Research Excellence Program USC - India (PEIN-Fellow)**. The fellowship was granted by the University of Santiago de Compostela, Spain.
2. Won **First** prize in Inter University State Level Research Festival “**AVISHKAR - 2009**” under H. L. F. A. category at Teacher level and for the Team Management.
3. Won **First** prize in Inter University State Level Research Festival “**AVISHKAR - 2009**” for the Team Management.
4. Received “**Best Teacher Award**” Award 2017 for Outstanding Excellence and Remarkable Achievement in the field of Teaching, Research and Publication from IRDP Group of Journal, Chennai, India
5. Received “**BHARATRATNA MOTHER TERESA GOLD MEDAL**” Award 2015 for extraordinary meritorious person for outstanding service in various fields – Health, Education, Research, Industry and Social Service to strengthen India’s Unity and economic development from GEPRA, New Delhi.

6. Profile published **32nd Edition of Marquis Who's Who** in world 2014 for his meritorious services, outstanding performance and remarkable role in the field of Education and Computer Science.
7. Govt. of India, Ministry of Science & Technologies Department of Science & Technology has sanctioned complete travel grant for attending 18th Oriental **COCOSDA** (International Committee for the Coordination and Standardization of Speech Database and Assessment Techniques) /CASLRE Conference, organized by Shanghai Jiao Tong University, Shanghai, China.
8. Dr. Babasaheb Ambedkar Marathwada University, Aurangabad has sanctioned Rs. 30,000 (Fifty thousands) financial assistance grant to attend the **18th Oriental COCOSDA** (International Committee for the Coordination and Standardization of Speech Database and Assessment Techniques) /CASLRE Conference, organized by Shanghai Jiao Tong University, Shanghai, China.
9. Achieved International Scientist Awards on Engineering Science and Medicine has award Outstanding Scientist Award.
10. Recognition at World Scientist and University Ranking 2021.

7. Other Significant Contributions:

Sr.no	Particulars	Total	
1	Events Organized	International	07
		National	06
2	Chair Person	20	
3	Invited Lectures/ Keynote Speakers	30	
4	Conferences/Symposiums/Workshops Attended	55	

8. Invited /Keynote Lectures:

1. Resource Person at 5 Days Online International Multidisciplinary Conference on COVID-19 Changes in Social, Culture, Economical, Commercial, Educational, Literary and Science and Technology Scenario organized by D. N. Bhole College, Bhusawal held on 17 August 2020
2. Resource Person at Faculty Development Program (FDP) organized by Vivekanand Indian Society, Institute of Technology Mumbai, In Association with CSI on "Research Directives in Security and Computation Intelligence" on 03 August 2020
3. Resource Person at Faculty Development Program (FDP) used of ICT in learning process organized by Indraraj Arts, Commerce and Science College on 25 May 2020
4. Chief Guest at "National Webinar on IRS and Indian Patent Filing System" organized by Swami Vivekanand College, Mantha, Jalna (MS) on 09 June 2020

5. Keynote Speaker at "International Virtual Conference on opportunities and Challenges in Computer Science after COVID-19" organized by Dayanand College of Arts and Science, Solapur (MS) on 29 June 2020
6. Keynote Address at online International Scientific and Technical Conference: "Computer and Information Technologies in Science, Engineering and Management" "ComTech-2019" organized by Ministry of Education and Science Russia, Southern Federal University, Russia and Leibniz University of Hannover, Germany during 17-19 June 2020 at Southern Federal University, Taganrorg, Rostov, Russia.
7. Invited Talk at 107th Indian Science Congress at University of Agricultural Sciences, January 2020.
8. Keynote Address at International Scientific and Technical Conference: "Computer and Information Technologies in Science, Engineering and Management" "ComTech-2019" organized by Ministry of Education and Science Russia, Southern Federal University, Russia and Leibniz University of Hannover, Germany during 4-8 June 2019 at Southern Federal University, Taganrorg, Rostov, Russia, supported with Travel grant and local hospitality of Two weeks by host uiversity.
9. Invited Talk at Int. Conference on Science, Engineering and Technology (ICSET-2019) organized by STAMI, Tashkent, Uzbekistan
10. Keynote Address and session chair at INDIACom-2019, International Conference on "Computing for Sustainable Global Development March 2019, New Delhi.
11. Presidential Address at 106th Indian Science Congress at LPU, Jalandhar Punjab, January 2019.
12. Keynote address at 2nd National Conference on Innovations and Development in Computational and Applied Science at MIT Arts, Commerce and Science College, Pune
13. Invitee Lecture at National Seminar on "Future India-Science and Technology" at Guru Nanak College, Guru Nanak Salai, Velechery Chennai, TN
14. Key Note Address at Pre Science Congress Conference at Kanpur Chapter, Kanpur, India
15. Key Note Address in 2nd International Conference on Emerging Trends in Computer Science, Communication & Information Technology, Nanded, India 9-11, Feb-2015
16. Resource Person for All India Council for Technical Education, New Delhi (IIPC Cell) sponsored one week short term training program for teachers on
17. "Innovative Instructional Tools: Use of Software" organized by Government College of Pharmacy, Aurangabad on 16 April 2012.

18. Staff Academic College, Amravati University, Amravati.
19. Staff Academic College, Dr. B. A. M. University, Aurangabad.
20. Key Note Address in Two Days workshop on “Multicore Technology” organized by IETE Aurangabad Chapter and M.I.T. College, CIDCO, Aurangabad.
21. Employment Information & Guidance Bureau, Dr. B. A. M. University, Aurangabad
22. M.I.T. College of Information Technology, Aurangabad.
23. Government Polytechnic, Aurangabad.
24. Dr. G. Y. Pathrikar College of Computer Science & Information Technology, Aurangabad (25 Feb 2012).

9. Technology Known:

9.1 SOFTWARE:

- ❖ TRNSLATORS
 COMPILERS (LANGUAGES): C ++, Pascal (Up to Ver 7.0),
 FORTRAN.INTERPRETER : BASIC
- ❖ OPERATING SYSTEMS: DOS (Up to Ver7.0), UNIX, Windows-98,
 Windows-2000, Windows-XP.

9.2 PACKAGES : FoxBASE, FoxPro, Clipper, PageMaker 6.0,
 Ms-office, Lotus, Wordstar-7.0, AUTOCAD.

9.3 HARDWARE : Familiarity with 386, 486, Pentium,
 LAN Interfacings.

10. Various Positions at University Level:

1. **Principal Coordinator**, DST-FIST program, Department of Computer Science and IT, Dr. B. A. M. University, Aurangabad.
2. **Member**, Advisory Committee, UGC-SAP-DRS-Phase I& II, Government of India, sanctioned top Department of Computer Science and IT, Dr. B. A. M. University, Aurangabad.
3. **Member**, Research & Recognition Committee in Computer Science and Engineering, Faculty of Science and Technology, Dr. B. A. M. University, Aurangabad (Since 2011).
4. **Member**, National ExeComm Nomination Committee, Computer Society of India (CSI), Mumbai.
5. **Chairman**, the Institution of Electronics & Telecommunication Engineers (IETE) Centre, Aurangabad. (From 2014 to 2018).
6. **Member**, Selection Committee for UGC CAS at S.R.T.M. University, Nanded.

7. **Chairman**, Purchase Committee of SCOPUS Database, Knowledge Resource Center, Dr. B. A. Marathwada University, Aurangabad (since 2014).
8. **Member**, Editorial Advisory Board, ISCA journal, 'Everyman's Science'.
9. **Member**, CSI Best Award Thesis Committee, 2018.
10. **Member**, Expert Visit Committee, AICTE, New Delhi
11. **University Coordinator**, I-MADE Program, of Dr. B. A. M. University, Aurangabad (Since 2015).
12. **Member**, Departmental Research Council(DRC), Department of Computer Science and IT, Dr. B.A.M. University, Aurangabad
13. **Member**, Scrutiny and Selection committee of Endress+Housser, Late R.N. Bagla and ShriGovindbhaiShroff Scholarship, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From 2016, 2017).
14. **Member**, University-Industry Interaction for Faculty, Research Scholars & Students, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From April 2016)
15. **Member**, Advisory Committee, Reservation Cell, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (From June-2017)
16. **Sectional Member (West Region)**, Indian Science Congress Section of Information and Communication Science and Technology (Including Computer Science & Library Science)
17. **Member**, Technical Committee at All India Council for Technical Education (AICTE), New Delhi (February 2011).
18. **Member**, Grievance Redressal Committee, AICTE New Delhi Since 2013 for the all affiliated Colleges under the Faculty of Engineering, Pharmacy, Management & Architecture, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2012-13).
19. **Vice-Chairman**, the Institution of Electronics & Telecommunication Engineers (IETE) Centre, Aurangabad (2012 - 2014).
20. **Observer**, Maharashtra State Eligibility Test for Lecturers (SET) (2010-2011).
21. **Member of the Academic Council**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (2005-2010).
22. **Member**, Faculty of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2005-2010).
23. **Member of, Committee constituted under section 32(5)(a)**, Dr. Babasaheb Ambedkar Marathwada, Aurangabad (From 2013)

24. **Member**, Academic Audit Committee for various departments, Dr. B. A. Marathwada University, Aurangabad (2012-13).
25. **Member of Committee**, Finalization of Affiliation Fees for Various UG/ PG Courses in affiliated colleges at Dr. B. A. Marathwada University, Aurangabad (September 2012).
26. **Member**, ShulkNirdharan Committee for various UG/PG Courses at Dr. B. A. Marathwada University, Aurangabad and Sub-Center, Osmanabad. (2012-13).
27. **Member**, of Committee Constituted for Computer Science & Engineering, to design and prepare syllabus of SE (CSE), Dr. B. A. Marathwada University, Aurangabad (2012-13).
28. **Member**, of Anti Ragging Committee, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From August 2012).
29. **Member of the Senate**, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From June 2005 to September 2005).
30. **Member of the Senate**, Marathwada University, Aurangabad (since 1987-88).
31. **Recognized Research Guide** in the subject of Computer Science & Information Technology in the faculty of Engineering and Technology, Dr. B. A. Marathwada University, Aurangabad (Since 2009).
32. **Recognized Research Guide** in the subject of Computer Science & Information Technology in the faculty of Science, Dr. B. A. Marathwada University, Aurangabad (Since 2009).
33. **Coordinator/Member AVISHKAR** organization committee at University Level from 2010 to 2015.
34. **Team Manager** AVISHKAR 2009 and 2010.
35. **Chairman/Member**, Permanent Affiliation Committees to Various Colleges of Dr. B. A. M. University, Aurangabad (2007-10).
36. **Chairman/Member**, Pre-affiliation Committee for establishment of new colleges of Dr. B. A. M. University Aurangabad (2007-08).
37. **Member**, Purchase Committee, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (From November 2011).
38. **Member**, Technical Committee as per Common Account Code, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2012-13).
39. **Chairman**, Students Council Election Committee, Dr. B. A. M. University, Aurangabad (Since October 2011).

40. **Chairman**, University Guest House/Canteen Committee, Dr. B. A. M. University, Aurangabad (Since February 2012).
41. **Chairman**, University Girls/Boys Hostels Committee, Dr. B. A. M. University, Aurangabad (Since November 2011).
42. **Member**, Vidyarthi Sahayya Nidhi Committee, Dr. B. A. M. University, Aurangabad (From February 2012).
43. **Paper Setter/Examiner**, for Ph.D. course work examination 2011, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
44. **Chairman**, for Ph.D. Entrance Test 2012, in the subject of Computer Science and Engineering in Faculty of Engineering, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2012).
45. **Member**, for Ph.D. Entrance Test 2012, in the subject of Computer Science and Information Technology in Faculty of Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2012).
46. **Member**, for Ph.D. Entrance Test 2012, in the subject of Management Science in Faculty of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (2012).
47. **Paper Setter/Examiner**, for Ph.D. course work examination 2011, Swami Ramanand Teerth Marathwada University, Nanded.
48. **Member of Experts panel** to evaluate the Ph.D. candidates in Computer Science at S. R. T. Marathwada University, Nanded (Since 2008).
49. **Member of Experts panel** to evaluate the M. E. (C.S.E) candidates at Mumbai University, Mumbai (Since 2008).
50. **Member of Experts panel** to evaluate the Projects for M.B.A. course at Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik.
51. **Invited Member**, for P.B.A.S (Performance Appraisal System for direct Recruitment & for CAS), Dr. B. A. M. University, Aurangabad (2011-12).
52. **Member**, Purchase of Steel Furniture Sub Committee, Dr. B. A. M. University, Aurangabad (From February 2012).
53. **Member**, Purchase of Sports equipment's Committee, Dr. B. A. M. University, Aurangabad (From February 2012).
54. **Invited Member**, Faculty of Engineering & Technology, Dr. B. A. M. University, Aurangabad (2012-13).
55. **Member**, Advisory Committee, Sub-Center, Dr. B. A. M. University, Osmanabad (Since

November 2011).

56. **Member**, Security Agency Committee, Dr. B. A. M. University, Aurangabad (Since January 2012).
57. **Member**, Late. Vasantrao Kale Swabhiman (Earn & Learn) Yojna Committee, Dr. B. A. M. University, Aurangabad (From October 2011).
58. **Member**, Advisory Committee, Special Assistant Program at the level of Departmental Research Support (DRS) Phase-I, Department of Computer Science & IT, Dr. B. A. M. University, Aurangabad (Since 2009).
59. **Member**, Research & Recognition Committee in Faculty of Engineering, Computer Science & Engineering, Dr. B. A. M. University, Aurangabad (Since 2011).
60. **Member**, Research & Recognition Committee in Faculty of Science, Computer Science & Information Technology, Dr. B. A. M. University, Aurangabad (Since 2011).
61. **Member**, Student Facility Centre Inauguration Committee, Dr. B. A. M. University, Aurangabad (April 2012).
62. **Member**, Selection Committee for Accounts Officer, Administrative Officer and Junior Engineer, Dr. B. A. M. University, Aurangabad (March 2012).
63. **Member**, Local Governing Council, College of Social Welfare run by Dr. B. A. M. University, Aurangabad ()
64. **Member**, as a University representative on Governing body for various Engineering & Management Colleges affiliated to Dr. B. A. M. University, Aurangabad.
65. **Member**, E-Mail Complaint System Committee, Dr. B. A. M. University, Aurangabad (Since February 2011).
66. **Chairman**, e-Convocation Enquiry Committee, Dr. B. A. M. University, Aurangabad (From February 2012).
67. **Member**, Implementation and Operation of University Campus Wide Secured Wi-Fi infrastructure committee, Dr. B. A. M. University, Aurangabad (Since September 2012)
68. **Member of Committee** to revise the Syllabi of M. Sc.(Comp. Sci.) & M. Sc.(I.T.) at Dr. B. A. Marathwada University, Aurangabad(2007-08).
69. **Recognized Post-Graduate Teacher** in the subject of Computer Science at Dr. B. A. Marathwada University, Aurangabad (Since 2000).
70. **Chairman/Senior/Paper Setter/ Examiner** for M.Sc. (Information Technology) at Dr. B. A. M. University Aurangabad (Since 2007).
71. **Paper Setter/Examiner** for M. Sc. (Computer Science), & B. Sc. (Computer Science),

- Dr. B. A. M. University Aurangabad (Since 2007).
72. **External Examiner** for Computer Programming Lab (Degree-III Sem.), Maharashtra Institute of Technology, IGNOU Study Centre, Aurangabad.
 73. **Paper Setter/Examiner** for M. Sc. (Computer Science), M. Sc. (Information Technology) at Amravati University, Amravati.
 74. **Paper Setter/Examiner** for M. Sc. (Computer Science), Swami Ramanand Teerth Marathwada University, Nanded since 1997.
 75. **Chairman/Senior/Paper Setter/ Examiner** for M.C.A./M.C.M./B.C.M./B.C.A./D.C.A. at Dr. B. A. M. University Aurangabad (Since 2007).
 76. **Paper Setter/Examiner** for M.B.A. Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik.
 77. **Senior External/Internal Examiner** for the Practical Examination of B. Tech/Diploma for Yashwantrao Chavan Maharashtra Open University (Y.C.M.O.U), Nashik since 1999-2000.
 78. **Chairman/Member**, Local Enquiry Committees (L.E.C.) for affiliation to Various College of Dr. B. A. M. University, Aurangabad.
 79. **Member, Re-moderation/Moderation**, Re-counting Verification of cases of B. Sc.(CS)/M. Sc.(CS & IT), F.E. to B.E. Dr. B. A. M. University, Aurangabad.

11. Visited Foreign Countries:

1. Visited **University of San Carlos (Talamban Campus) Cebu City, Philippines** for presenting the paper and Chaired the Session at **22nd Oriental COCOSDA (International Committee for the Coordination and Standardization of Speech Database and Assessment Techniques) /CASLRE** Conference, Organized by the Computing Society of the Philippines – Special Interest Group on Natural Language Processing (CSP SIG-NLP), National University (NU), and University of San Carlos (USC).
2. Visited **Southern Federal University, Russia** for Keynote Address at International Scientific and Technical Conference: “Computer and Information Technologies in Science, Engineering and Management” “ComTech-2019” organized by Ministry of Education and Science Russia, and Leibniz University of Hannover, Germany.
3. Visited **Tashkent, Uzbekistan** for Invited Talk at Int. Conference on Science, Engineering and Technology (ICSET-2019) organized by STAMI,
4. Visited University of Santiago de Compostela, Spain under the **Research Excellence Program USC - India (PEIN)**. The Scholarship granted by the University of Santiago de Compostela for one Month.

5. Visited Shanghai, China for presenting the paper at **18th Oriental COCODA (International Committee for the Coordination and Standardization of Speech Database and Assessment Techniques)** /CASLRE Conference, organized by Shanghai Jiao Tong University, Shanghai, China.
6. Visited Bangkok, Thailand for presenting the paper at Fourth International Conference on Intelligent Systems, Modeling and Simulation (ISMS 2013) organized by Kasetsart University, Bangkok, Thailand.
7. Visited University of **Washington Seattle, WA, USA** during 23 May to 14 June 2015.

12.Events Organized:

1. Convenor, International Web Conference on "**IMPACT OF COVID-19 ON EDUCATION SYSTEM**" Organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, MS, India In Association with Computer Society of India, Wikimedia India and IETE 30th May, 2020
2. Convenor, 2nd International Conference on Cognitive Knowledge Engineering (**2nd ICKE-2016**)21-23Dec 2016.
3. Course Coordinator, MHRD Supported one week GIAN course entitle "Perception and modelling of Three Dimensional Scenes" conducted during 04th December to 10th December 2017.
4. Convenor, National Workshop on Data Warehousing and Data Mining (**NWDWDM-2010**), 25-27 Feb 2010.
5. Convenor, IEEE International Conference on Knowledge Engineering (**ICKE-2011**) 29-31 Jan 2011.
6. Member, Advisory Committee, Two days National Conference on Recent Trends in Computer Applications (NCRTCA-2010) at Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (17-18 February, 2010).
7. Member, Advisory Committee, UGC Sponsored National Conference on Interface Between Statistics and other Sciences (**NCISS-2012**) organized by Department of Statistics, Dr. B.A.M. University, Aurangabad, during Feb 24-25, 2012.
8. Member, Advisory Committee, UGC Sponsored National Workshop on Exploratory Statistical Data Analysis Using Statistical Software's (**NWESDASS-2012**) organized by Department of Statistics, Dr. B.A.M. University, Aurangabad during Feb 22-23, 2012.
9. Member, Advisory Committee, UGC Sponsored National Seminar on Recent Developments in Operations Research and their Applications (Under UGC-SAP-DRS-I) Organized by Department of Statistics, Dr. B. A. M. University, Aurangabad during February 22-23, 2013.

13.Editor/Reviewer/Program Committee Member for

National/International Journals/Conferences:

- 1) **Editor-in-Chief**, CSI Journal of Computing, India, Since 2019.
- 2) **Guest Editor**, CSI Communication India,2018.
- 3) **Reviewer** for The 20th Annual Conference of the International Speech Communication Association INTERSPEECH 2019 | Graz, Austria, Sep. 15-19, 2019.
- 4) **Reviewer** for The 3rd International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra state, INDIA on January 03-04, 2020,
- 5) **Reviewer** for 6th IEEE International Advance Computing Conference (IACC - 2016) 27-28 February 2016, S R K R Engineering College, Bhimavaram, Andhra Pradesh, India
- 6) **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**)
- 7) **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**)
- 8) Advanced Institute of Convergence Of Information Technology's (AICIT)'s Advances in Sciences & Service Sciences (AISS) an International Journal of Research and Sciences. (**ISSN : 1976-3700**)
- 9) Open Access Journal Scientific Research and Essays (**SRE**).
- 10)IEEE International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2009.
- 11)Scientific Research Publishing Journal of Communications and Network which is an academic publisher of open access journals (**ISSN Print: 1949-2421**)
- 12)International Conference on Knowledge Engineering (ICKE-2011), Dr. B. A. Marathwada University, AURANGABAD. **ISBN-978-81-8487-123-4** Published by Narosa Publishing House, New Delhi.
- 13)**Editor-in-chief**, 2nd International Conference on Cognitive Knowledge Engineering (2nd ICKE-2016)21-23Dec 2016.
- 14)Advanced Institute of Convergence Of Information Technology's (AICIT) International Conference on Computer Science & Convergence Information Technology (ICCIT-2011).
- 15)Advanced Institute of Convergence Of Information Technology's (AICIT) International Conference on Next Generation Information Technology (ICNIT-2011).

- 16) Advanced Institute of Convergence Of Information Technology's (AICIT) International Conference on Next Generation Information Technology (ICCM-2013).
- 17) National Conference on Recent Trends in Computer Applications (NCRTCA-2010), Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (17-18 February, 2010).
- 18) "Recent Trends in Library and Computer Science" the Proceedings of Two Days UGC Sponsored Seminar on Recent Trends in Library and Computer Science (17-18 Feb 2011) ISBN-978-81-905495-6-3.

14. MEMBERSHIPS / INVOLVMENT:

Sr. No.	As a Life Member/ Fellow	Detail
1	Fellow Member of "The Institution of Electronics and Telecommunication Engineers" (FIETE)	Membership No.: F203171
2	Life Member of CSI (Computer Society of India) CSI is a professional body aiming to improve teaching and learning by organizing workshops, seminars and paper publications.	Membership No.: 00100518
3	Life Member of "The Indian Society for Technical Education" (ISTE)	Membership No.: LM30049
4	Senior Member of " Association of Computer Electronics and Electrical Engineers" (ACEEE)	Membership No.: 7000408
5	Member of International Association of Engineers (IAEng)	Membership No.: 108351
6	Member of " Computer Science Teachers Association" (CSTA)	Membership No.: 2060900
7	Member of " IEEE "	Membership No.: 91195256
8	Life Member of " Indian Science Congress Association" (ISCA)	Membership No.: L18872
9	Life Member of " Institute of Doctors Engineers and Scientists" (IDES)	Membership No.: 1027
10	Full Member of " International Speech Communication Association (ISCA) "	Membership No: 17664
11	Life Member of " Indian National Cartographic Association "	Membership No: LM2980

15. PUBLICATIONS: 329

15.1 Patents: 10

- 1) Australian Patent File – Application No. 2021102976 (Granted)
- 2) German Patent File – Application No. 202022100596 (Granted)
- 3) South Africa Patent File– Application No. 2022/08617(Granted)

- 4) Indian Patent File - Application No. 201721019076 (Published)
- 5) Indian Patent File - Application No. 201721042194 (Published)
- 6) Indian Patent File - Application No.201821037901(Published)
- 7) Indian Patent File – Application No. 202221002889 (Published)
- 8) Indian Patent File – Application No. 202121052164 (Published)
- 9) Indian Patent File – Application No. 2058 (Published)
- 10) Indian Patent File – Application No.202321006863A(Published)

15.2 Copyrights: 08

- 1) Gov. of India Copyright office – Registration No: SW-14635/2021 (Published)
- 2) Gov. of India Copyright office – Registration No: SW-14758/2021 (Published)
- 3) Gov. of India Copyright office – Registration No: SW-14829/2021 (Published)
- 4) Gov. of India Copyright office – Registration No: SW-15159/2021 (Published)
- 5) Gov. of India Copyright office – Registration No: SW-16902/2023 (Published)
- 6) Gov. of India Copyright office – Registration No: SW-16918/2023 (Published)
- 7) Gov. of India Copyright office - Registration No: 16485/2021-CO/SW (Filled)
- 8) Gov. of India Copyright office - Registration No: 28575/2021-CO/SW (Filled)

15.3 Details of Book Published: 15

- 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) Editor, the book, "**Cognitive Knowledge Engineering**" the Proceedings of 2nd International Conference on Cognitive Knowledge Engineering (ICKE-2016).
- 11) 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)
- 12) 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)
- 13) 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)
- 14) Anita G. Khandizod, **Ratnadeep R. Deshmukh**, "**Spectral Biometric System for Human Identification and Recognition**" LAP LAMBERT Academic Publishing (March-2019), ISBN: 978-613-9-46252-0 (Available on Amazon.com)
- 15) Jaypalsing N. Kayte, Dr. Ratnadeep R. Deshmukh, Dr. Charansing N. Kayte, "**Analysis of Cardiac MRI to recognize Cardiovascular disease by AST**", Scholar's Press, International Book Market Service Ltd, ISBN: 978-613-8-82748-1 (Available on Amazon.com)

15.4 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)

15.5 Magazine Article: 12

- 1) S. N. Kakarwal (Kurmude), Ravindra Babanrao Patil, D. V. Kurmude, R. R. Deshmukh, "**Semantic Web in Clinical Research: Review**", CSI Communication, Vol.44, Issue 2, May2020 (ISSN: 0970-647X)
- 2) D.V. Kurmude, S.N. Kakarwal, R. R. Deshmukh, "**Smart Computing: An Integrated Approach of Computing**", CSI Communication, Vol.42, Issue 12, March 2019 (ISSN:

- 0970-647X)
- 3) Rashmi Ratnakar Bhal, Ratnadeep R. Deshmukh, "**Mammography: Awareness and Prevention**", CSI Communication, Vol.42, Issue 12, March 2019(ISSN: 0970-647X)
 - 4) Ritesh Anilkumar Gangwal, Ratnadeep R. Deshmukh, Emmanuel M , "**Computational Analytics for Prostate Cancer Detection using MRI and Machine Learning**", CSI Communication, Vol.42, Issue 11, February 2019(ISSN: 0970-647X)
 - 5) D.V. Kurmude, S.N. Kakarwal, R.R. Deshmukh, "**NANO making a big difference!**", CSI Communication, Vol.42, Issue 12, February 2019(ISSN: 0970-647X)
 - 6) D. V. Kurmude, S. N. Kakarwal, Ratnadeep R. Deshmukh, "**Artificial Intelligence: Simplifying Human Life**", CSI Communication, Vol.42, Issue 10, March 2019(ISSN: 0970-647X)
 - 7) Ritesh Anilkumar Gangwal, Ratnadeep R. Deshmukh, Emmanuel M, "**Application of Pattern Recognition in Medical Imaging and Computational Analytics for Cancer Detection**", Vol.41, Issue 10, March 2018(ISSN: 0970-647X)
 - 8) Ratnadeep R. Deshmukh, Swapnil D.Waghmare, Shaikh Naziya Sultana, "**Speech, Language Disorder Detection and Altered Auditory Feedback: A Practitioner Approach**", CSI Communication, Vol.42, Issue 5&6, Sept. 2018(ISSN: 0970-647X)
 - 9) Pooja Vinod Janse, Ratnadeep R. Deshmukh, "**Hyperspectral remote sensing: Emerging technology for Agricultural Application**", CSI Communication, Vol.42, Issue 5&6, Sept.2018(ISSN: 0970-647X)
 - 10)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)
 - 11)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)
 - 12)Pooja V. Janse, R.R. Deshmukh, "**Smart City: A Step towards Sustainable Development**",CSI Communication, Vol.40, Issue 2, May 2016(ISSN: 0970-647X)

15.6 Details of Research Papers Published: 283

I) Paper Published in International/National Journal: 150

- 1) Malkauthekar MD, Gulve AK, Deshmukh RR, Edla DR, "**Liver Cancer Classification Using Single Pass Neural Networks Based on Ultrasound Images: A Review**", Wireless Personal Communications, Vol.130, Issue 1 pp.241-68, May 2023.

- 2) Chudaman Sukte, R. R. Deshmukh and Emmanuel M., "**Modified Elliptic Curve Cryptography Model for Personal Health Record Sharing in Cloud with Trust Valuation**", IJCSNS International Journal of Computer Science and Network Security (WoS), VOL.22 No.1, January 2022, pp.592-601.
- 3) Chudaman Sukte, R. R. Deshmukh and Emmanuel M. "**Efficient Cryptographic Protocol Design for Secure Sharing of Personal health Records in Cloud**", International Journal of Information Technologies and Systems Approach (IJITSA)- (Scopus), Volume 15 Issue 1, pp.1-6, Jan 2022.
- 4) Chaudhary S, Kakarwal S, Deshmukh R, "**Musical instrument recognition using audio features with integrated entropy method**", Journal of Integrated Science and Technology, Volume 9, Issue 2), pp.92-97, 2021.
- 5) Gupta RS, Deshmukh RR, Kshirsagar AV, "**Spectral Database of Pharmaceutical Common Excipients and Paracetamol API Using ASD Field Spec 4 Spectroradiometer**", Medico-Legal Update, Volume 21, Issue 2, 2021.
- 6) Gore R, Mishra A, Deshmukh R, "**Exploring the Mineralogy at Lonar Crater with Hyperspectral Remote Sensing**", Journal of the Geological Society of India, Volume 97, pp. 261-266, 2021.
- 7) Omeer AA, Deshmukh RR, "**Improving the classification of invasive plant species by using continuous wavelet analysis and feature reduction techniques**", Ecological Informatics. Volume 61:101181, 2021.
- 8) Anjana N. Ghule, Ratnadeep R. Deshmukh, "**Wavelength selection and classification of hyperspectral non-imagery data to discriminate healthy and unhealthy vegetable leaves**", CURRENT SCIENCE, VOL. 120, NO. 5, pp. 936-941, 2021
- 9) Abbasov I.B, Deshmukh R.R, "**APPLICATION OF ARTIFICIAL INTELLIGENCE FOR MEDICAL VISUALIZATION**", International Research Journal, ISSN 2227-6017, pp. 37-43, 2021 (DOI: <https://doi.org/10.23670/IRJ.2021.114.12.005>).
- 10) Bharati S. Pawar, Ratnadeep R. Deshmukh, "**Predicting Lead and Nickel Contamination in Soil using Spectroradiometer**", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 (Online), Volume-10, Issue-1, May 2021.
- 11) Pooja Vinod Janse, Ratnadeep R. Deshmukh, "**Crop Discrimination using Non-Imaging Hyperspectral Data**", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-10 Issue-5, June 2021.
- 12) Abdulmalik A. Alasadi, Theyazn H. H. Adhyani, Ratnadeep R. Deshmukh, "**Efficient Feature Extraction Algorithms to Develop an Arabic Speech Recognition System**", Engineering, Technology & Applied Science Research, Vol. 10, No. 2, pp. 5547-5553, 2020
- 13) Swapnil D. Waghmare, B.S. Sonowane, Abdulmalik A. Alasadi, Ratnadeep R. Deshmukh, "**Classification of Stuttered Disordered Speech and Normal Speech of Marathi**

Language by using ANN", International Journal of Advanced Science and Technology, 28(9s), 89-97, 2020

- 14) Alasadi AA, Aldhayni TH, Deshmukh RR, Alahmadi AH, Alshebami AS, "**Efficient feature extraction algorithms to develop an arabic speech recognition system**", Engineering, Technology & Applied Science Research, Volume 10, Issue 2, pp.5547-53, 2020.
- 15) Gujar GV, Devane SR, Deshmukh RR, "**Deep Study on Trends of Load Balancing in Cloud Scenario**", International Journal of Grid and Distributed Computing, Volume 13, Issue 2, pp.1855-62, 2020.
- 16) Deshmukh M, Kakarwal S, Deshmukh R, Kurmude DV, "**Analysis of Hybrid Broadcasting Schemes in Mobile Ad-hoc Networks**", Grenze International Journal of Engineering & Technology (GIJET), Volume 6, Issue 1, 2020.
- 17) Pawar RG, Ghumbre SU, Deshmukh RR, Kolhe KR, "**A Hybrid Approach towards Improving Performance of Recommender System Using Matrix Factorization Techniques**", International Journal of Future Generation Communication and Networking, Volume 13, Issue 4, pp.467-77, 2020.
- 18) Sapkal S, Kakarwal S, Deshmukh RR, "**Template Security of Multimodal Biometric System with Face and Fingerprint Images using Fuzzy Vault Method**", CSI Journal of Computing, Volume 3, Issue 3, pp.36-40, 2020.
- 19) Waghmare VB, Deshmukh RR, Janvale GB, "**Emotions Recognition from Spoken Marathi Speech Using LPC and PCA Technique**", New Trends in Computational Vision and Bio-inspired Computing: Selected works presented at the ICCVBIC 2018, Coimbatore, India, pp.81-88, 2020.
- 20) Gore R, Mishra A, Deshmukh R, "**Mineral mapping at lonar crater using remote sensing**", Journal of Scientific Research, Volume 64, Issue 2, 2020.
- 21) Deshmukh M, Kakarwal SN, Deshmukh R, Kurmude DV, "**Multi-criteria Decision Making for Routing Process in MANET**", Internet of Things, Smart Computing and Technology: A Roadmap Ahead, pp. 241-262, 2020.
- 22) Patil R, Chaudhari K, Kakarwal SN, Deshmukh RR, Kurmude DV, "**Analysis of Facial Expression Recognition of Visible, Thermal and Fused Imaginary in Indoor and Outdoor Environment**", Internet of Things, Smart Computing and Technology: A Roadmap Ahead, pp.31-55, 2020.
- 23) Anjana Ghule, R. R. Deshmukh, Chitra Gaikwad Distinguishing, "**Healthy and Infected Vegetable Crops using Hyperspectral Leaf Reflectance**", CSI Journal of Computing, ISSN. 2277-7091, Vol. 03, No. 02, pp. 42-46, April-June 2020
- 24) Priyanka U. Randive, Ratnadeep R. Deshmukh, Pooja V. Janse, Rohit S. Gupta, "**Classification of Healthy and Diseased Cotton Plant by using Regression Techniques on Hyperspectral Reflectance Data**", CSI Journal of Computing, ISSN. 2277-7091, Vol. 03, No. 02, pp. 8-11, 2020

- 25) Syed Akhter Hussain, Deshmukh R. R., "**Automated Fundoscopy for Glaucoma Detection and Classification**", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 ,Issue-5, January 2020.
- 26) Syed Akhter Hussain , Deshmukh.R.R, Osmani Mohsin, "**Comparative Study of Retinal Blood Vessel Segmentation based on SVM and K-NN Classification**", International Journal for Research in Applied Science & Engineering Technology (IJRASET) ,ISSN: 2321-9653,Volume 7, Issue IV, Apr 2019.
- 27) K Vishal Reddy, Jayantrao B Patil, Ratnadeep R Deshmukh, "**SecHDFS: Efficient and Secure Data Storage Model over HDFS using RC6**", IJEAT, ISSN. 2249-8958, Vol. 09, Issue. 02, 2019
- 28) RG Pawar, Dr.S.U.Ghumbre, Dr.R.R. Deshmukh,"Visual Similarity Using Convolution Neural Network over Textual Similarity in Content- Based Recommender System", IJAST, ISSN. 2005-4238, Vol. 27, No. 1, pp. 137-147, 2019
- 29) Ashok R. Avachar, Shubhangi D. Sapkal, Ratnadeep R. Deshmukh, "Identifying Human Face under video surveillance using Machine Learning Technique", IJSDR, ISSN. 2455-2631, Vol. 04, Issue. 10, 2019
- 30) Rohit S. Gupta, Ratnadeep R. Deshmukh, Priyanka U Randive, Abdulla Omeer, "**Building Spectral Library of Soil Samples using Spectroscopic Device and ENVI Software**", IJRAR, ISSN. 2348-1269, Vol. 06, Issue. 06, pp. 392-396, 2019
- 31) Pooja Vinod Janse, Ratnadeep R Deshmukh, Priyanka U Randive, "**Vegetation Indices for Crop Management: A Review**", IJRAR, ISSN. 2348-1269, Vol. 06, Issue. 06, 2019
- 32) Pratiksha P Shete, R R Deshmukh, Pooja V Janse, Bharti S Pawar, "**Mapping of Soil Organic Matter (SOM) using Hyperspectral Imaging and Non-imaging Data - A Review**", IJREAM, ISSN. 2454-9150, NCRICE, 2019
- 33) Nikhil M Sapate, R R Deshmukh, Pooja V Janse, "**Spectral Discrimination of Healthy and Diseased Plants Using Non Imaging Hyper spectral Data - A Review**", IJREAM, ISSN. 2454-9150, NCRICE, 2019
- 34) Akshay Kshirsagar, Ratnadeep R. Deshmukh, Pooja Vinod Janse, Jaypalsing N Kayte, "**Detection of disease from Chilly Plant Using Vegetation Indices**", IJSE,7, pp.333-337, 2019
- 35) Syed Akhter Hussain, Deshmukh R. R., Mohammed Zeeshan R., "**Automated Detection of Glaucoma from Fundus Images using Blood Vessel Segmentation**" Journal of Applied Science and Computations, ISSN NO: 1076-5131,Volume V, Issue XII, pp:1086-1095, December 2018.
- 36) G.N. Peerzade, R R Deshmukh, S D Waghmare, "**A Review: Speech Emotion Recognition**", IJCSE, ISSN. 2347-2693, Vol. 06, Issue. 03, pp. 400-402, 2018
- 37) Kanchan Sukhdev Kayande, Ratnadeep R Deshmukh, Pooja Vinod Janse, Jaypalsing N Kayte, "**Hyper spectral Analysis of Soil Iron Oxide using PLSR Method: A Review**", IJFRCE, ISSN. 2454-4248, Vol. 04, Issue. 02,pp. 337-341, 2018

- 38)Kanchan Sukhdev Kayande, Ratnadeep R Deshmukh, Pooja Vinod Janse, Jaypalsing N Kayte, **"Hyper spectral Analysis of Soil Iron Oxide using Fieldspec4 Spectroradiometer"** , IJCSE, ISSN. 2347-2693,Vol. 06, Issue. 11,pp. 395-399, 2018
- 39)M K Maid, R R Deshmukh, **"Hyperspectral Analysis of Wheat Leaf Rust (WLR) Disease: A Review"**, IJCSE, ISSN. 2347-2693, Vol. 06, Issue. 01, pp. 215-219, 2018
- 40)Rohit S Gupta, Ratnadeep R Deshmukh, Priyanka U Randive, **"Study of Pharmaceutical Solid Dosage forms using Invasive and Non Invasive Techniques: A Review"**, JECET, ISSN. 2278-179X, Vol. 07, Issue. 03, pp. 321-327, 2018
- 41)Priyanka U Randive, Ratnadeep R Deshmukh, Jaypalsing Kayte, **"Study of detecting Plant diseases using Non-Destructive Methods: A Review"**, ISSN.2278-6856, Vol. 07, Issue. 01, pp. 66-71, 2018
- 42)Sushma Niket Borade and Ratnadeep R Deshmukh, **"Effect of Similarity Measures and Underlying PCA Subspace on Linear Discriminant Analysis"**, IJCA, ICKE 2016(2):5-7, January 2018
- 43)Devyani S Kulkarni, Ratnadeep R Deshmukh, Vandana Jadhav L Patil, Pukhraj P Shrishrimal, Swapnil D Waghmare and Aaron M Oirere, **"Marathi Isolated Digit Recognition System using HTK"** , IJCA, ICKE 2016(2):42-45, January 2018.
- 44)Padmapani Prakash Tribhuvan, Sunil G. Bhirud, Ratnadeep R Deshmukh, **"Annotating Features Extracted Through Latent Dirichlet Allocation For Feature Based Opinion Mining"** , IJARCS, ISSN. 0976-5697, Vol. 08, Issue. 09, 2017
- 45)Sarika B Solankar, Ratnadeep R Deshmukh, **"Iris Detection by Image Scaling"** , IJCSIS, Vol. 15, Issue.07, 2017
- 46)Sushma D Guthe, Ratnadeep R Deshmukh, **"Prediction of Phosphorus Content in Different Plants: Comparison of PLSR and SVMR Methods"**, IJCATR, ISSN. 2319-8656, Vol. 06, Issue. 08, pp. 410-416, 2017
- 47)Ashwini Dilip Padmanabhi, Saima Ansari, R R Deshmukh, **"Hyperspectral Analysis Of Soil Total Nitrogen Using Asd Fieldspec4"**, IJARCS, ISSN. 0976-5697, Vol. 08, Issue. 07, 2017
- 48)Smitha Thomas Khajekar, Ratnadeep R. Deshmukh, **"Estimation Of Copper Content In Agricultural Soils By Vnir Spectroscopy Using Fieldspec4 Spectroradiometer"**, IJRSR, ISSN. 0976-3031, Vol. 08, Issue. 08, pp. 19005-19008, 2017
- 49)Padghan Mayuri Laxman, Deshmukh Ratnadeep R, **"Spectroscopic Determination of Aboveground Biomass in Grass using Partial Least Square Regression Model"**, IJSET, ISSN. 2277-1581, Vol. 06, Issue. 09, pp. 332-335, 2017
- 50)Mayuri Laxman Padghan, Ratnadeep R Deshmukh, **"Spectroscopic Determination of Aboveground Biomass in Grass using Hyperspectral Indices"**, IJARCS, ISSN. 0976-5697, Vol. 08, Issue. 05, 2017
- 51)Dnyaneshwar D Karale, Ratnadeep R Deshmukh, **"Estimation of Soil Organic Carbon Content using Visible Near Infrared Reflectance Spectroscopy: A Review"**, ISSN.

- 52) 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.
- 53) Khandizod Anita, Ratnadeep Deshmukh, and Sushma Borade. "**Spectral Biometric Verification System for Person Identification.**" Information and Communication Technology for Sustainable Development. Springer, Singapore, 2018. 103-111.
- 54) 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.
- 55) 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.
- 56) 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.
- 57) 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**).
- 58) 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)**)
- 59) Sushma Guthe, R. R. Deshmukh. "**Estimation of Phosphorus Content in Leaves of Plants using PLSR and SVM: A Review.**" International Journal of Advanced Research in Computer Science, Volume 8, No. 5, May-June 2017 (ISBN:0976-5697).
- 60) Smita Khajekar, 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).
- 61) Rohinee M. Misal, Ratnadeep R Deshmukh, "**Application of Near-Infrared Spectrometer in Agro-Food Analysis: A Review**", IJCA, ISSN. 0975-8887, Vol.141, No. 07, pp. 18-20, 2016
- 62) Vaibhav N Lokhande, Ratnadeep R. Deshmukh, "**Identification of Arsenic Content in Soil Using Spectral Signature**", IJIRCCE, ISSN. 2320-9801, Vol. 04, Issue. 06, pp. 12531-12536, 2016

- 63) Vaibhav N Lokhande, Ratnadeep R Deshmukh, "**Monitoring Arsenic Contamination in Agriculture Soil using Spectroradiometer**", IJRSET, ISSN. 2319-8753, Vol. 5, Issue. 4, pp. 5508-5513, 2016
- 64) Rohinee M. Misal, Ratnadeep R Deshmukh, "**Nondestructive Detection of Pesticide Residue on Banana Surface Based on Near Infrared Spectroscopy**", IJSR, ISSN. 2319-7064, pp. 644-647, 2016
- 65) 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.
- 66) 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
- 67) 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,
- 68) 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)
- 69) 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.
- 70) 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
- 71) 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.
- 72) 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.
- 73) 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.
- 74) 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.

- 75)Rahul T Naharkar, Ratnadeep R Deshmukh, "**Spectral Analysis of Chlorophyll, Water Content within Fresh and Water Stressed Leaves Using Hyperspectral Data**", IJRSET, ISSN. 2319-8753, Vol. 05, Issue. 07,pp. 12682-12688, 2016
- 76)Anita G. Khandizod, R.R. Deshmukh, "**Comparative Analysis of Image Enhancement Technique for Hyperspectral Palmprint Images**",International Journal of Computer Applications, ISSN.0975 – 8887,Volume 121 – No.23,pp.30-35, July 2015
- 77)Snehal S. Patwardhan and Dr. Deshmukh, "**Offline Handwriting Recognition Using Genetic Algorithm**",IJISR,pp. 441-444,2015
- 78)JaypalsingKayte, SangramsingKayte, SuvarnsingBhable, 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.
- 79)Rita B. Patil, R. R. Deshmukh, "**Development of Iris Recognition System for Person Identification**", International Journal of Engineering Research and Technology (IJRET), Vol. 3, No. 11, November 2015, (ISSN: 2001-5569), pp. 81-86.
- 80)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.
- 81)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.
- 82)Shaikh Nilofer, 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.
- 83)Kishori Ghule, R. R. Deshmukh, "**Automatic Speech Recognition System using MFCCand 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.
- 84)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.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.
- 85)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

- 86) 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
- 87) 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
- 88) 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.
- 89) 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.
- 90) 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.
- 91) 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.
- 92) 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.
- 93) 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.
- 94) 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.
- 95) 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.
- 96) 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.
- 97) 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

- 98) 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.
- 99) 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
- 100) 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
- 101) 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
- 102) 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
- 103) 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
- 104) 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
- 105) 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
- 106) 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.
- 107) Sujata S Magare, Ratnadeep R Deshmukh, "**Offline Handwritten Sanskrit Character Recognition Using Hough Transform and Euclidean Distance**", International Journal of Innovation and Scientific Research (IJISR), Vol. 10 No. 2, October 2014, ISSN:2351-8014, pp. 295-302
- 108) 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.
- 109) 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
- 110) 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.
- 111) 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
- 112) 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.
- 113) 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.
- 114) 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.
- 115) 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**].
- 116) 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].
- 117) SushmaNiketBorade, 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**].
- 118) 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.

- 119) 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.
- 120) Sonal Deshmukh, RatnadeepDeshmukh, 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.
- 121) 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.
- 122) 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.
- 123) 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.
- 124) 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.
- 125) 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.
- 126) Kakarwal Sangeeta, RatnadeepDeshmukh, VandanaJadhavPatil, "**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.
- 127) 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.
- 128) 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.

- 129) 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.
- 130) ShubhangiSapkal, 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.
- 131) 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]**
- 132) 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]**.
- 133) SarikaSolunke, R. R. Deshmukh, "**Comparison of Feature Extraction**" in International Journal of Multidisciplinary Research (IJMR) Vol. I, Issue 12 (XI), March 2013, ISSN: 2277-9302, pp. 76-79.
- 134) M. Oirere, R. R. Deshmukh, P. P. Shrishrimal, V. B. Waghmare, "**Swahili Text and Speech Corpus: A Review**" in Asian Journal Computer Science & Information Technology (AJCSIT), Vol.2, no.11, November-2012, ISSN: 2249-5126, pp. 286-290.
- 135) P. P. Shrishrimal, R. R. Deshmukh, V. B. Waghmare, "**Development of Isolated Words Speech Database of Marathi words for Agriculture Purpose**" in Asian Journal Computer Science & Information Technology (AJCSIT), Vol. 2, No. 7, July-2012, ISSN: 2249-5126, pp. 217-218.
- 136) Pukhraj P. Shrishrimal, R. R. Deshmukh, V. B. Waghmare, "**Indian Language speech Database: A Review**" in International Journal Computer Applications (IJCA), Vol. 47. No. 5 June-2012, ISSN: 0975-888, pp-17-21. **[Impact Factor: 0.831]**
- 137) V. B. Waghmare, R. R. Deshmukh, P. P. Shrishrimal, "**A Comparative Study of the Various Emotional Speech Databases**" in International Journal Computer Science & Engineering (IJCSE), Vol. 4 Issue 6, ISSN 0975-3397, pp.1236-40.
- 138) D. K. Kirange, R. R. Deshmukh, "**Emotion Classification of News Headlines Using SVM**" in Asian Journal of Computer Science and Information Technology (AJCSIT-2012), Vol. 2, No. 5, May2012, ISSN: 2249-5126, pp. 104-106.
- 139) Sangeeta Kakarwal, R. R. Deshmukh, "**Hybrid Feature Extraction Technique for Face Recognition**" in International Journal of Advanced Computer Science and Applications (IJACSA-2012), Vol. 3, No. 2, ISSN: 2156-5570, pp 60-64 **[Impact Factor: 1.324]**.
- 140) S. C. Tamane, R. R. Deshmukh, "**Blind 3D Model Watermarking based on Multi-**

Resolution Representation and Fuzzy Logic” in International Journal of Computer Science & Information Technology (IJCSIT-2012), Vol. 4, No. 1, February 2012, E-ISSN: 0975-3826, ISSN: 0975-4660.

- 141) S. N. Kakarwal, R. R. Deshmukh, “**Performance Analysis of Face Recognition by Principal Component Analysis and Feed Forward Neural Network**” in International Journal of Engineering Innovations and Research (IJEIR-2012), Vol. 1, No. 1, January 2012, ISSN: 2277-5668, pp. 40-45.
- 142) SmitaZol, R. R. Deshmukh, “**Critical Analysis of Image Segmentation Methods by Using Computer & Application of Segmentation to Medical Imaging Modalities**” in Researchers World: International Refereed Research Journal of Arts, Science & Commerce, Issue –1 Vol. III, January 2012, ISSN: 2231-4172, pp 81-85.
- 143) S. N. Kakarwal, R. R. Deshmukh, “**Wavelet Transform based Feature Extraction for Face Recognition**” in International Journal of Computer Science and Applications (IJCSA-2010), Issue – I, ISSN: 0974-0767, pp. 100-104.
- 144) S. N. Deshmukh, Sunil V. Kawale, R. R. Deshmukh, “**Comparison of Google Similarity Distance Calculated Using Different Search Engines**” in International Journal of Computer Engineering & Information Technology (IJCEIT), Special Edition 2010, Volume 18, No. 23, ISSN: 0974-2034, pp. 26-30.
- 145) S.N. Kakarwal, S.D. Sapkal, R.R. Deshmukh, “**Information Theory and Neural Network based Approach for Face Recognition: A Review**” in International Journal of Recent Trends in Engineering (Computer Science), Vol. 2, No. 4, November 2009, ISSN: 1797-9617, pp 176-178.
- 146) M. S. Abhang, M. S. Deshmukh, U. Shinde, R. R. Deshmukh, “**Design issues of Vulnerabilities and Suspicious behavior detection system in Storage Area Network (SAN)**”, in International Journal of Recent Trends in Engineering (Computer Science), Vol 2, No. 4, November 2009, ISSN: 1797-9617, pp. 129-133.
- 147) S. K. Pathan, S. N. Deshmukh, R. R. Deshmukh , “**Kerberos Authentication System – A Public Key Extension**” in International Journal of Recent Trends in Engineering (Computer Science), Vol. 1, No. 2, May 2009, ISSN: 1797-9617, pp. 15- 18.
- 148) S. C. Tamane, R. R. Manza, R. R. Deshmukh, “**Digital Watermarking using Image Fusion Method**” in International Journal of Recent Trends in Engineering (Computer Science), Vol. 1, No. 2, May 2009, ISSN: 1797-9617, pp. 113-116.
- 149) Ganesh Janvale, Aaron M. Oirere, Vishal Waghmare, Ratnadeep Deshmukh, “**Designing of new proposed Technique for Lie Detection using EEG Signals**” in International Journal of Pharma and Bio Sciences (IJPBS), AB V1-Pr 3-4, March 10, 2011 ISSN: 0975-6299.
- 150) Ratnadeep R. Deshmukh, M. R. Patil, L. B. Thakur, “**Modified Method for Initial Basic Feasible Solution to Transportation Problem**” in Bulletin of M.M.S., Research Journal of Dr. B. A. M. University, Aurangabad, Vol. IV, December -2003, pp. 12-18.

II) Papers Presented in International Conferences:113

- 1) Gore R, Mishra A, Deshmukh R, Dharmadhikari D, “ Unearthing the Lonar Crater Using Hyperspectral Remote Sensing and Validating Through Non-destructive Approach”,International Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022),pp. 761-773,2023 .
- 2) Bhable SG, Deshmukh RR, Kayte CN, “**Comparative Analysis of Automatic Speech Recognition Techniques**”, International Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022),pp. 897-904,2023.
- 3) Bhalshankar SV, Deshmukh RR, “ **MARGEN: Marathi Question Answering Generative Conversation Model**”, International Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022),pp. 527-556 2023.
- 4) Nitwane R, Bhagile V, Deshmukh R, “**Drought Monitoring & Changes in the Vegetation Cover of Aurangabad Region, Maharashtra Over Last Two Decades: A Comparative Study of Remote Sensing Indices VCI and SVI Using Time Series MODIS Data Product MOD13Q6** ”, International Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022),pp. 260-275,2023.
- 5) Bhalshankar SV, Deshmukh RR, “**CAAS (Chatbot as a Service): Sector-Wise Survey**”, InInternational Conference on Applications of Machine Intelligence and Data Analytics (ICAMIDA 2022),pp. 86-111,2023.
- 6) Bhale RR, Deshmukh RR, “ **Design a Computer-Aided Diagnosis System to Find Out Tumor Portion in Mammogram Image with Classification Technique**”, Computational Intelligence for Engineering and Management Applications: Select Proceedings of CIEMA 2022, Singapore: Springer Nature Singapore.,pp. 241-249,30 Apr 2023.
- 7) Al-Awadhi MA, Deshmukh RR,“**A Machine Learning Approach for Honey Adulteration Detection Using Mineral Element Profiles**”, Computer Vision and Robotics: Proceedings of CVR 2022,Singapore: Springer Nature Singapore., pp. 379-388, 28 Apr 2023.
- 8) Datwase S, Deshmukh R, “**Palmprint Identification Using Non-Imaging Database**”, 2023 IEEE International Conference on Contemporary Computing and Communications (InC4), Vol. 1, pp. 1-5,21 Apr 2023.
- 9) Malkauthekar MD, Gulve AK, Deshmukh RR, “**Brain Tumor Classification Using MR Images with OSTU, DWT, and K-means Clustering**”, Computational Vision and Bio-Inspired Computing: Proceedings of ICCVBIC 2022, Singapore: Springer Nature Singapore.,pp. 99-114, 8 Apr 2023.
- 10) Lahase A, Bhable S, Deshmukh R, Nimbhore S, “**Comparative Analysis of Automatic Speaker Diarization Techniques**”, InInternational Conference on Smart Computing and Communication,Singapore: Springer Nature Singapore,pp. 715-722, Jan 24 2023.
- 11) Ms. Suvarnmala B. Bangar, Dr. Ratnadeep R.Deshmukh, “**Remote Sensing and Machine Learning Techniques for development of E-Governance System and Smart City: a Review**”, Proceedings of Information systems and Emerging Technologies, vol. 1, 2023.
- 12) Aparna Magare, Ratnadeep Deshmukh , Ranjana Gore, “**Milk Powder Analysis for**

- Protein Content Estimation Using Fieldspec4 Spectroradiometer**", Proceedings of International Conference on Information systems and Emerging Technologies, 2022.
- 13) Nitwane R, Bhagile VD, Deshmukh RR, "**Machine Learning Tools and Techniques for Prediction of Droughts**", 5th World Congress on Disaster Management, Taylor & Francis, Volume II, 2022.
 - 14) Rohit S. Gupta, Ratnadeep R. Deshmukh, Akshay V. Kshirsagar, "**Analysis of Pharmaceutical Solid dosage forms using Machine Learning and Chemometrics Techniques**", Proceedings of International Conference on Information systems and Emerging Technologies, 2022.
 - 15) Mokhtar Al-Awadhi, Ratnadeep Deshmukh, "**Classification of Honey Botanical and Geographical Sources using Mineral Profiles and Machine Learning**", Proceedings of International Conference on Information systems and Emerging Technologies, 2022.
 - 16) Al-Awadhi MA, Deshmukh RR, "**Honey adulteration detection using hyperspectral imaging and machine learning**", 2022 2nd international conference on artificial intelligence and signal processing (AISP), pp. 1-5, 12 Feb 2022.
 - 17) Datwase SS, Deshmukh RR, Gupta RS, "**MODERN AVAILABLE PALMPRINT DATABASES: A REVIEW**", News of the Southern Federal University. Technical science 2022.
 - 18) Nitwane RR, Bhagile VD, Deshmukh RR, "**Twenty Years of Assessment of Drought Conditions Over The Gangapur Region of Aurangabad District in Maharashtra (India) Using Remote Sensing Indices**", Advances in Deep Learning, Artificial Intelligence and Robotics: Proceedings of the 2nd International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR) 2020, Springer International Publishing, pp. 55-70, 2022.
 - 19) Vishal Reddy K, Patil JB, Deshmukh RR, "**SecHDFS-AWS: A Novel Approach to Design Efficient and Secure Data Storage Model Over HDFS Enabled Amazon Cloud**", Proceedings of International Conference on Data Science and Applications: ICDSA 2021, Springer Singapore, Volume 1, pp. 467-478, 2022.
 - 20) Chudaman Sukte, R. R. Deshmukh and Emmanuel M., "**Review on Cloud Security Challenges and Threats**", International Virtual Conference on Emerging Era of Applications of Computer organized by Dept of PG Studies and Department of Computer Science & Engineering, Pacific Academy of Higher Education and Research University, Udaipur, January, 2022.
 - 21) Chudaman Sukte, R. R. Deshmukh and Emmanuel M., Paper titled "**Novel Approach for Improving Security and Confidentiality of PHR in Cloud using Public Key Encryption**", 4th Springer International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2022) 10-11, February 2022 (Accepted)
 - 22) Gore RW, Mishra AD, Deshmukh RR, "**Hyperspectral Image Classification using Machine Learning**", Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence, pp. 261-265, 2021.

- 23)Kshirsagar A, Deshmukh R, Gupta R, "**The machine learning technique used in a study of water quality & water level estimation using remote sensing & GIS: A review**", Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence, pp. 32-36, 2021.
- 24)Omeer AA, Deshmukh RR, "**Deep Learning-Based Models for Classification of Invasive Plant Species from Hyperspectral Remotely Sensed Data**", Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence, pp. 222-230, 2021.
- 25)Nitwane RK, Bhagile VD, Deshmukh RR, "**Use of Regression Models in the Analysis of Climatic Variables: A Case Study over the Aurangabad Region of Marathwada (Maharashtra, India)**", Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence ,pp. 171-177, 2021.
- 26)Kirwale KS, Kawathekar SS, Deshmukh RR, "**Automatic Detection of Building in Medium Density Image Using Morphological Operation**", 2021 IEEE International Geoscience and Remote Sensing Symposium IGARSS,IEEE,pp. 5323-5326, 2021.
- 27)Rashmi Kumaria Nitwane, Bhagile VD, Deshmukh RR, "**Trend analysis of meteorological index SPI using statistical and machine learning models over the region of Marathwada**", Artificial Intelligence and Speech Technology: Proceedings of the 2nd International Conference on Artificial Intelligence and Speech Technology,(AIST2020), 19-20 November, 2020, Delhi, India 2021 Jun 30.
- 28)Kirwale KS, Kawathekar SS, Deshmukh RR, "**Automatic Detection of Buildings Using High Resolution Images for Medium Density Regions**", Computational Intelligence in Data Science: 4th IFIP TC 12 International Conference, ICCIDS 2021, Chennai, India, March 18-20, 2021.
- 29)Zeeshan RM, Shafiyoddin BS, Deshmukh RR, Yadav A, "**Mineralogical Study of Lunar South Pole Region Using Chandrayaan-1 Hyperspectral (HySI) Data**" ,Recent Trends in Image Processing and Pattern Recognition: Third International Conference, RTIP2R 2020, Aurangabad, India, January 3-4, 2020, Revised Selected Papers, Part II 3 , pp. 163-175, 2021.
- 30)M. A. Al-Awadhi and R. R. Deshmukh, "**Detection of Adulteration in Coconut Milk using Infrared Spectroscopy and Machine Learning**", 2021 International Conference of Modern Trends in Information and Communication Technology Industry (MTICTI), 2021, pp. 1-4, doi: 10.1109/MTICTI53925.2021.9664764 (IEEE).
- 31)M. A. Al-Awadhi and R. R. Deshmukh, "**Honey Classification using Hyperspectral Imaging and Machine Learning**", 2021 Smart Technologies, Communication and Robotics (STCR), 2021, pp. 1-5, doi: 10.1109/STCR51658.2021.9588907(IEEE).
- 32)M. A. Al-Awadhi and R. R. Deshmukh, "**A Review on Automatic Classification of Honey Botanical Origins using Machine Learning**", 2021 International Conference of Modern Trends in Information and Communication Technology Industry (MTICTI), 2021, pp. 1-5, doi: 10.1109/MTICTI53925.2021.9664758(IEEE).
- 33)M. A. Al-Awadhi and R. R. Deshmukh, "**A Review on Modern Analytical Methods for Detecting and Quantifying Adulteration in Honey**", 2021 International Conference of Modern Trends in Information and Communication Technology

Industry (MTICTI), 2021, pp. 1-6, doi: 10.1109/MTICTI53925.2021.9664767(IEEE).

- 34) Bhale RR, Deshmukh RR, **“Removing Labeled Portion from Mammogram Image”**, 2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), pp. 231-233, 2020.
- 35) Kakarwal SN, Chaudhari KP, Deshmukh RR, Patil RB, **“Thermal Face Recognition using Artificial Neural Network”**, 2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC), pp. 300-304, 2020.
- 36) Anjana G, Deshmukh RR, Abbasov IB, Gaikwad C, **“SPECTRAL DISCRIMINATION OF HEALTHY AND INFECTED VEGETABLE PLANTS USING NON IMAGING HYPERSPECTRAL DATA”**, Computer and information technologies in science, engineering and management, KomTex-2020, pp. 117-125, 2020.
- 37) Waman GR, Mishra AD, Deshmukh RR, Balakishi AI, Randive PU, **“LULC-Analysis of land-use with the help of unsupervised classification”**, News of the Southern Federal University, Technical science, pp.184-92, 2020.
- 38) Ghule A, Deshmukh RR, **“Improved Linear Extrapolation Technique for Crop Health Monitoring Using Hyperspectral Data”**, Communication and Intelligent Systems, Proceedings of ICCIS 2019, Springer Singapore, pp. 99-106, 2020.
- 39) Deshmukh M, Kakarwal SN, Deshmukh R, **“An adaptive neighbour knowledge-based hybrid broadcasting for emergency communications”**, Second International Conference on Computer Networks and Communication Technologies: ICCNCT 2019, Springer International Publishing, pp.86-97, 2020.
- 40) Modale S, Sable G, Deshmukh R, **“A review: Devnagri speech to text for Marathwada Region”**, Proceedings of International Conference on Wireless Communication: ICWiCOM 2019, Springer Singapore, pp. 525-532, 2020.
- 41) K. Vishal Reddy, Jayantrao B. Patil and Ratnadeep R Deshmukh, **“A Comparative Approach to Secure Data Storage Model in Hadoop Framework”**, International Conference on Computing in Engineering and Technology (ICCET 2019), held on January 10–11, 2019 at Deogiri Institute of Engineering and Management Studies, Aurangabad, India.
- 42) Anjana Ghule, R. R. Deshmukh and Chitra Gaikwad, **“MFDS-m Red Edge Position Detection Algorithm for Discrimination between Healthy and Unhealthy Vegetable Plants”**, RTIP2R 2018, CCIS 1036, pp. 433–442, Springer Nature Singapore, 2019.
- 43) Ratnadeep R. Deshmukh, Swapnil Waghmare, **“Design and development stuttered and Autism, Spectrum Disorder Speech Database for Marathi Language”**, Proceeding of International 20th Oriental COCOSDA, Philippines, October, 2019
- 44) Waghmare Swapnil & Deshmukh, Ratnadeep & Kayte, Sangramsing **“Analysis of Fundamental Frequency, Jitter and Shimmer in Stuttered and Non-Stuttered Speech of Marathi Language”**, International Conference on Communication and Information Processing (ICCIP), 2019

- 45) Anita G. Khandizod and Ratnadeep R. Deshmukh, "**Optimal Band Selection for Improvement of Hyperspectral Palmprint Recognition System by Using SVM and KNN Classifier**", RTIP2R 2018, CCIS 1036, pp. 433–442, Springer Nature Singapore, 2019.
- 46) Abdulla A. Omeer, Ratnadeep R. Deshmukh, Rohit S. Gupta and Jaypalsing N. Kayte, "**Land Use and Cover Mapping Using SVM and MLC Classifiers: A Case Study of Aurangabad City, Maharashtra, India**", RTIP2R 2018, CCIS 1036, pp. 433–442, Springer Nature Singapore, 2019.
- 47) Priyanka Uttamrao Randive, Ratnadeep R. Deshmukh, Pooja V. Janse, and Rohit S. Gupta, "**Discrimination Between Healthy and Diseased Cotton Plant by Using Hyperspectral Reflectance Data**", RTIP2R 2018, CCIS 1036, pp. 433–442, Springer Nature Singapore, 2019.
- 48) Ratnadeep R. Deshmukh, Shubhangi D. Patil, Luigi Troiano, Soumya Banerjee, Ajay R. Deshmukh "**Fast Apriori Algorithm for Frequent Itemset Mining**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 49) Chudaman Devidasrao Sukte, Emmanuel. M, Ratnadeep R. Deshmukh "**Novel Approach for improving Security And Confidentiality in Public Clouds Using Certificateless Encryption**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 50) B. S. Sonawane, R. R. Deshmukh, S. D. Waghmare, Pushendra Chavan "**Software Oriented Disk less Client for Cost Efficiency**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 51) Padmapani P. Tribhuvan, Sunil G. Bhirud, Ratnadeep R. Deshmukh "**Survey on Topic Modeling for Feature-Based Opinion Mining**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 52) Prashant L. Chintal, Ratnadeep R. Deshmukh, Rajendra J. Gaikwad "**Big Data Analytics and Security Measures**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 53) Ganesh V. Gujar, Satish R. Devane, Ratnadeep R. Deshmukh "**Trends of Load Balancing in Cloud Scenario: A Review**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018
- 54) Ritesh Anilkumar Gangwal, Ratnadeep R. Deshmukh, Emmanuel. M "**Analysis of Prostate Cancer in MRI using Support Vector Classifiers and Non Distance based Clustering**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 55) Shubhangi Sapkal, R. R. Deshmukh, Stephen G. Karungaru, Soumya Banerjee "**Biometric Cryptosystem for Finger print Verification**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 56) Dnyaneshwar K. Kirange, Ratnadeep R. Deshmukh, Ajay R. Deshmukh, Luigi Troiano "**Evaluation of Semeval 2016 Restaurant and Laptop Reviews Data for Emotion**

- and Aspect Classification"**, Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 57) Archana R. Mate, Swati B. Magare, Ratnadeep R. Deshmukh "**Analysis of Effects of Air Pollution on Mango and Custard apple Tree Leaves Using ASD FieldSpec 4 Spectroradiometer and Spectral Indices**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 58) Anjana N. Ghule, R. R. Deshmukh, Pooja V. Janse "**Hyperspectral Remote Sensing for the Study of Characteristics of Crops**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 59) Swati B. Magare, Archana R. Mate, Ratnadeep. R. Deshmukh "**Analysis of Effects of 2, 4-D Sodium Salt on Chlorophyll Content in Jowar using ASD FieldSpec4 Spectroradiometer**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 60) Rahul T. Naharkar, Ratnadeep R. Deshmukh, Vaibhav N. Lokhande "**Analysis of Chlorophyll and Water Content of Gardenia Resinifera Using Non-Destructive Technique**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 61) Vaibhav N. Lokhande, Rahul T. Naharkar, Ratnadeep R. Deshmukh "**Prediction of Arsenic Content in Soil using Reflectance Spectroscopy**", Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 62) Rahul R. Sagar, Ganesh M. Magar, Ratnadeep R. Deshmukh, Karbhari V. Kale, Suresh C. Mehrotra "**Analysis of Employment Density for Sustainable Urban Regeneration Using Geo-Spatial Technology**" Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 63) Rohinee M. Misal, Ratnadeep R. Deshmukh "**Determination of Pesticide in Banana by Infrared Spectroscopy Using Partial Least Square-Discriminant Analysis**" Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 64) Sachin D. Kolhe, Ratnadeep R. Deshmukh "**Remote Estimation of Plants Chlorophyll Content Using Spectral Indices to detect Acid Rain**" Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 65) Rashmi V. Agrawal, R. R. Deshmukh, Swapnil D. Waghmare "**Text-Dependent Automatic Speaker Recognition System Using Hindi Language**" Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 66) Devyani S. Kulkarni, Ratnadeep R. Deshmukh, Vandana L. Jadhav Patil, Pukhraj P. Shrishrimal, Swapnil D. Waghmare, Aaron M. Oirere "**Marathi Isolated Digit Recognition System Using HTK**" Proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
 - 67) Abdulmalik Abdullah Ali Alasadi, Ratnadeep R. Deshmukh "**Automatic Speech Recognition Techniques: A Review**" Proceedings of 2nd ICKE2016, ISBN: 978-93-

86751-04-1, Aurangabad, India, Jan. 2018.

- 68) Khandizod G Anita, **Deshmukh R Ratndeeep., Stephen Githinji Karungaru**, Banerjee Soumya and Patil Jadhav L Vandana : **Palmprint Spectral Biometric Authentication System by using ASD FieldSpec 4 Spectroradiometer**, International Journal of Computer Applications proceedings of 2nd ICKE2016, Vol.1, No.1, 36-40, Aurangabad, India, Jan. 2018.
- 69) Shubhangi Sapkal, **R.R. Deshmukh, Stephen G. Karungaru**, Soumya Banerjee "**Biometric Cryptosystem for Finger Print Verification**", proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 70) P.V. Janse, **R. R. Deshmukh, Stephen G. Karungaru**, N. V. Kalyankar, Pankaj Koinkar, "**Hyperspectral Remote Sensing for Agriculture: A Review**", proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 71) J.N. Kayte, **R.R. Deshmukh, Stephen G. Karungaru**, N. V. Kalyankar "**Review of Digital Soil Mapping Procedures**", proceedings of 2nd ICKE2016, ISBN: 978-93-86751-04-1, Aurangabad, India, Jan. 2018.
- 72) B. S. Sonawane, Ratnadeep R. Deshmukh, Swapnil Waghmare, Pushpendra Chavan, "Disk less Client: Dracut for Boot & Initialization for Standalone Systems", International Conference on Digital Signal & Image Processing (ICoDSIP), 7-8 March 2017 held at MIT, Aurangabad, Published in International Journal of Engineering and Advanced Technology, Vol. 6, Issue - ICDSIP17, March 7-8, 2017.
- 73) Jaypalsing N Kayte, Swapnil D. Waghmare, Rashmivijay Agrawal, Anita G. Khandizod, Ratnadeep R. Deshmukh, Vandana L. Jadhav Patil, "**Prediction of soil attributes in Digital Soil Mapping**", Proceeding of International of the Social Research Foundation, IIC DESW 2017 Special Issue: Vol 1, PP:251-258
- 74) Jaypalsing N Kayte, Ratnadeep R. Deshmukh, "**Structure of Indian Agriculture Civilization of Modern Era** ", Proceeding of International Multilingual Research Journal, Special Issue Dec 2017, PP, 71-76.
- 75) Sapkal, Shubhangi, Pukhraj Shrishrimal, and R. R. Deshmukh. "**Face verification using scale invariant feature transform with template security.**" Fuzzy Systems (FUZZ-IEEE), 2017 IEEE International Conference on. IEEE, 2017.
- 76) Sushma Niket Borade, Ratnadeep R. Deshmukh, Sivakumar Ramu, "**Face Recognition using Fusion of PCA and LDA: Borda Count Approach**", 24th Mediterranean Conference on Control and Automation (MED), held at Athens, Greece, during June 21-24, 2016.
- 77) Ashwini Gawli, R. R. Deshmukh, S. N. Kakarwal, "**Recognizing Human Activity in Video at its Earliest Stage: A Review**", International Conference on Recent Trends in Computing, Communication and Science (ICRTCCS - 2016), held at International Institute of Information Technology, Hinjewadi, Pune during 8th - 9th January 2016.
- 78) Pukhraj P. Shrishrimal, Ratnadeep R. Deshmukh, Vishal B. Waghmare, Sushma Borade,

- PoojaJanse, Ganesh B. Janvale, "**Development of Marathi Language Speech Database from Marathwada Region**", 18th Oriental COCODA (International Committee for the Co-ordination and Standardization of Speech Database and Assessment Techniques) /CASLRE Conference, to be held during October 28th - 30th, 2015 at Shanghai Jiao Tong University, Shanghai, China.
- 79) Sushma N. Borade, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, "**Effect of Distance Measures on the Performance of Face Recognition using Principal Component Analysis**", Advances in Intelligent Systems and Computing proceeding of International Symposium on Intelligent Systems Technologies and Applications (ISTA'15), Volume 1 published by Springer, held at SCMS School of Engineering & Technology, Kochi, Kerala, during 10th to 13th August 2015, pp. 569-577.
- 80) Sushma N. Borade, Ratnadeep R. Deshmukh, Pukhraj P. Shrishrimal, "**Independent Component Analysis and Number of Independent Basis Vectors**", Proceeding of Second International Symposium on Computer Vision and the Internet (VisionNet'15) held at SCMS School of Engineering & Technology, Kochi, Kerala, during 10th to 13th August 2015, Published by Elsevier in Procedia Computer Science.
- 81) Vaibhav V Kamble, Ratnadeep R Deshmukh, Anil R Karwankar, Varsha R Ratnaparkhe, Suresh A Annadate, "**Emotion Recognition for Instantaneous Marathi Spoken Words**", Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014, Published by Springer International Publishing.
- 82) Pukhraj P. Shrishrimal, R. R. Deshmukh, V. B. Waghmare, "**Multimedia Data Mining: A Review**" at International Conference On Recent Trends and Challenges in Science and Technology (RTCST), Organized by PadmashriVikhePatil College of Arts, Science & Commerce Pravaranagar, Loni, Tal: Rahata, Dist.: Ahmednagar (20-22 August 2014)
- 83) Anita G. Khandizod, R. R. Deshmukh, "**Hyper spectral Palm print Recognition: A Review**" at International Conference On Recent Trends and Challenges in Science and Technology (RTCST), Organized by PadmashriVikhePatil College of Arts, Science & Commerce Pravaranagar, Loni, Tal: Rahata, Dist.: Ahmednagar. (20-22 August 2014)
- 84) Vaishali Kadam, R. R. Deshmukh, "**BCI with EEG Signal Pattern Recognition System Component: A Review**" at International Conference On Recent Trends and Challenges in Science and Technology (RTCST), Organized by PadmashriVikhePatil College of Arts, Science & Commerce Pravaranagar, Loni, Tal: Rahata, Dist.: Ahmednagar . (20-22 August 2014)
- 85) Sonali Ingle, RoshniSorde, R. R. Deshmukh, S. N. Deshmukh, "**Multimedia Answer Generation For Community Question Answering Engine: A Review**" at International Conference On Recent Trends and Challenges in Science and Technology (RTCST), Organized by PadmashriVikhePatil College of Arts, Science & Commerce Pravaranagar, Loni, Tal: Rahata, Dist.: Ahmednagar . (20-22 August 2014)
- 86) V. B. Waghmare, R. R. Deshmukh, G. B. Janvale, P. P. Shrishrimal, "**Emotion Recognition System from Artificial Marathi Speech using MFCC and LDA Techniques**" at 5th International Conference on Advances in Communication, Network, and Computing (CNC-2014). 21st – 22nd February 2014, Organized by

Association of Computer Electronics and Electrical Engineers (ACEEE), Chennai, Tamil Nadu.

- 87) S. B. Magre, R. R. Deshmukh, P. P. Shrishrimal, “**A Comparative Study on Feature Extraction Techniques in Speech Recognition**” at International Conference on Recent Advances in Statistics and Their Applications (ICRASTAT-2013), 26th -28th December 2013, Organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra.
- 88) Presented paper entitled “**Statistical Approaches in Computational Sciences**”, at International Conference on Recent Advances in Statistics and Their Applications (ICRASTAT-2013), 26th -28th December 2013, Organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra.
- 89) Presented paper entitled “**Recent improvements in Apriori Algorithm: A review**” at International Conference on Recent Advances in Statistics and Their Applications (ICRASTAT-2013), 26th -28th December 2013, Organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra.
- 90) P. V. Janse, R. R. Deshmukh, V. B. Waghmare, “**Design and Development of Speech Database for Travel Purpose**” at International Conference on Recent Advances in Statistics and Their Applications (ICRASTAT-2013), 26th -28th December 2013, Organized by Department of Statistics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra.
- 91) Sonal Deshmukh, R. R. Deshmukh, Sachin Deshmukh, “**Detection of Hidden Meaning of a sentence using NGD and PMI**” in the proceedings of 2nd International Conference on Eco-friendly Computing and Communication Systems (ICECCS-2013). 17th – 19th October 2013, Organized by Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh (ISBN :978-9-35-134332-5)
- 92) Sonal Deshmukh, R. R. Deshmukh, Sachin Deshmukh, “**Finding real Semantics of Replaced Words Using k-Gram and NGD**”, Proceedings of the World Congress on Engineering 2013 Vol III, WCE 2013, London, U.K. July 3 - 5, 2013
- 93) R. R. Deshmukh, Pukhraj P. Shrishrimal, V. B. Waghmare, “**Usage of Computer in Higher Education and R&D**” in the proceedings of International Conference on Current Issues in Education & Social Sciences. 25th – 26th may 2013, Organized by Department and Faculty of Education, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (ISBN :978-93-80039-06-0)
- 94) S. C. Tamane, R. R. Deshmukh, V. L. Jadhavpatil, “**Optimization of Blind 3D Model Watermarking using Wavelets and DCT**” in the Proceedings of Fourth International Conference on Intelligent Systems, Modeling and Simulation (ISMS 2013) 29th to 31st Jan 2013, organized by Kasetsart University, Bangkok, THAILAND.
- 95) S. N. Kakarwal, R. R. Deshmukh, V. L. Jadhavpatil, “**Face Recognition based on Supervised Learning**” in the Proceedings of International Conference on Image Processing, Computer Vision, and Pattern Recognition Volume – II (IPCV'12) 16th to 19th July 2012, organized by Universal Conference Management Systems & Support (UCMSS) San Diego, California, USA (ISBN: 1-60132-224-0).

- 96) Presented paper entitles "**Study of Software Maintenance is Optional**" in the Proceedings of International Conference on Advances in Engineering and Technology (ICAET 2011), held at Bhubaneswar during 26th November 2011.
- 97) ShubhangiPatil, R. R. Deshmukh, K. S. Bhagat, D. K. Kirange, "**Torn Document Reconstruction: A Review**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 001-006 (ISBN: 978-81- 8487-123-4).
- 98) D. K. Kirange, R. R. Deshmukh, T. I. Jain, ShubhangiPatil, "**Opinion Mining: A Study on Automated Text Based Emotion Prediction**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 029-034 (ISBN: 978-81- 8487-123-4).
- 99) VaishaliWangikar, RatnadeepDeshmukh, "**Data Cleaning: Current Approaches and Issues**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 061-066 (ISBN: 978-81- 8487-123-4).
- 100) SonalDeshmukh, R. R. Deshmukh, Sachin Deshmukh, "**Use of Search Engine Result Count for Similarity, Duplicate and Substitution Detection in Web Mining: A Survey**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 079-085 (ISBN: 978-81- 8487-123-4).
- 101) D. K. Kirange, A. M. Patil, R. R. Deshmukh, ShubhangiPatil, "**Recent Advances for Recognition of Faces in the Crowd**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 097-108 (ISBN: 978-81- 8487-123-4).
- 102) S. N. Kakarwal, V. R. Ratnaparkhi, R. R. Deshmukh, "**Diverse Classifier for Face Recognition**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 129-136 (ISBN: 978-81- 8487-123-4).
- 103) Aaron M. Oirere, Vishal Waghmare, Ganesh Janvale, Ratnadeep Deshmukh, "**Designing and Development of Speech Database – The Technical Review**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. PP. 145-148 (ISBN: 978-81- 8487-123-4).
- 104) PukhrajShrishrimal, Sunil Khillare, Vishal Waghmare, C. Namrata, R. R. Deshmukh, "**Comparative study of Credit Card Fraud Detection using HMM and Neural Network**" in the Proceedings of IEEE International Conference on Knowledge Engineering (ICKE-2011), organized by Department of CS & IT, Dr. Babasaheb

Ambedkar Marathwada University, Aurangabad. PP. 311-315 (ISBN: 978-81- 8487-123-4).

- 105) S. N. Kakarwal, S. D. Sapkal, R. R. Deshmukh, "**Analysis of Retina Recognition by Correlation and Covariance Matrix**" in the Proceedings of IEEE Third International Conference on Emerging Trends in Engineering and Technology (ICETET10), organized by G. H. Raisoni College of Engineering, Nagpur & hosted by Birla Institute of Technology, Pilani-K K Birla Goa Campus, India, November 2010. PP. 496-499 (ISBN : 978-0- 7695-4246-1)
- 106) S. N. Kakarwal, R. R. Deshmukh, "**Wavelet Transform and Thresholding based Face Recognition**" in the Proceedings of International Conference on Artificial Intelligence and Pattern Recognition (AIPR-2010), organized by ISRST, at FL, USA, pp 128-132, July 2010. (ISBN: 978-1- 60651-015-5).
- 107) Supriya A. Ghadge, Ganesh B. Janvale, Ratnadeep R. Deshmukh, "**Speech Feature Extraction Using Mel-Frequency Cepstral Coefficient (MFCC)**", at the Emerging Trends in Computer Science, Communication and Information Technology, organized by Yaswant Mahavidyalaya, Nanded. (9-10 January, 2010).
- 108) Amol B. Salunke, Sachin Deshmukh, Ratnadeep R. Deshmukh, "**Event Detection in Sports Video Game – A Review**", at the Emerging Trends in Computer Science, Communication and Information Technology, organized by Yaswant Mahavidyalaya, Nanded. (9-10 January, 2010).
- 109) S. D. Sapkal, R. R. Deshmukh, "**Analysis of Retina Recognition by Correlation and SVD**", at the 2nd IEEE International Conference on Advances in Computer Vision and Information Technology (ACVIT-2009) organized by Department of Computer Science & IT, Dr. B.A.M. University, Aurangabad (December 16-19, 2009).
- 110) S. C. Tamane, R.R. Manza, R.R. Deshmukh, "**3D Models Watermarking Using Fuzzy Logic**", at the International Conference on Advances in Computing, Control, and Telecommunication Technologies (ICACCTT 2009) organized by ACEEE, Trivandrum, Kerala, India (28-29 December 2009)
- 111) Sangeeta Kakarwal, Mahananda Malkauthekar, Shubhangi Sapkal, Ratnadeep Deshmukh, "**Face Recognition Using Fourier Descriptor & FFNN**", at the IEEE International Advance Computing Conference (IACC 2009) organized by Thapar University, Patiala, IEEE Delhi Section & IEEE Computer Society Chapter Delhi Section (6-7 March, 2009).
- 112) Datta Sable, Ratnadeep Deshmukh, "**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).
- 113) Ravindra Deshmukh, Ratnadeep Deshmukh, "**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: 20

- 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) 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:
- 3) 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)
- 4) Vishal B. Waghmare, R. R. Deshmukh, "**Development of Artificial Marathi Emotional Speech Database**" at 101st Indian Science Congress organized by University of Jammu, Jammu. (03-07 Feb-2014)
- 5) Presented paper entitled "**Marathi Isolated Word Automatic Speech Recognition System based on Vector Quantization (VQ) Approach**" at 101st Indian Science Congress organized by University of Jammu, Jammu. (03-07 Feb-2014)
- 6) 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
- 7) Rashmi Bhale, 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).
- 8) 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.
- 9) 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 Vasant Rao Naik Mahavidyalaya, Aurangabad. (17-18, February 2011).

- 10) 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).
- 11) S. N. Kakarwal, R. R. Deshmukh, "**Face Recognition Using Probabilistic Neural Network**" at National Conference on "Recent Advances in Computers & Communications" organized by Vidyalankar Institute of Technology, Wadala (E), Mumbai, 400037. (29-30 Sept-2008).
- 12) 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).
- 13) 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).
- 14) 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).
- 15) 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).
- 16) 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).
- 17) 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).
- 18) 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).
- 19) 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).
- 20) Ratnadeep R. Deshmukh, "**Determination of Midazolam, 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: 46

- 1) Chaired the Session at 107th Indian Science Congress at University of Agricultural Sciences, January 2020.
- 2) Chaired the Session at 22nd Oriental COCOSDA (International Committee for the Coordination and Standardization of Speech Database and Assessment Techniques) /CASLRE Conference, Organized by the Computing Society of the Philippines – Special Interest Group on Natural Language Processing (CSP SIG-NLP), National University (NU), and University of San Carlos (USC).
- 3) Presidential Address at 106th Indian Science Congress at LPU, Jalandhar Punjab, January 2019.
- 4) Chaired Technical Session in 103rd Indian Science Congress, University of Mysore, Mysore, India (3rd – 7th January 2016).
- 5) Chaired Session at 105th Indian Science Congress conference at Imphal, Manipur
- 6) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC - Human Resource Development Center, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (18th November to 8th December 2015).
- 7) 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 10th to 13th August 2015.
- 8) Chaired Session and Key Note Talk in 2nd International Conference “Emerging Trend in Computer Science, Communication and Information Technology” CSCIT2015 “KUSUM Auditorium”, YeshwantMahavidyalaya Campus, Nanded. February 09-11 2015
- 9) Chaired Technical Session in 102nd Indian Science Congress, Mumbai, India (3rd – 7th January 2015).
- 10) 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).
- 11) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (7th to 27th November 2014).
- 12) 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.
- 13) Chaired Technical Session in 101st Indian Science Congress, Jammu, India (3rd to 7th Feb 2014).
- 14) 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 (22nd – 24th January 2014).

- 15) Chaired a Session in 2nd 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 (23rd – 24th March 2013).
- 16) 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) (19th Jan 2013).
- 17) Chaired session in 100th Indian Science congress, Kolkata, India (3rd to 7th Jan 2013).
- 18) Course Coordinator Refresher Course on e-Governance & e-Learning Organized by UGC Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (3rd to 27th September 2013).
- 19) Participated in 8th International conference on Microwave, Antenna, Propagation & Remote Sensing (ICMARS 2012), Organized by International centre for Radio Science, Jodhpur, India (11th -15th December 2012).
- 20) 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 16th April 2012.
- 21) 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 16th March 2012.
- 22) 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 21st April 2012.
- 23) 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 (23rd-25th March, 2012).
- 24) 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 (9th March 2012).
- 25) Attended one day Workshop National Vocational Education Qualification Framework jointly organized by AICTE, Delhi and DTE Maharashtra State. (05th March 2012).
- 26) Session Chair in three days International Conference on Recent Technologies (i-CORT 2012) organized by Institute of Knowledge College of Engineering, Pune, India (09th to 11th February, 2012).
- 27) Participated in one day Workshop on proposed “The Maharashtra Public Universities Act-2011” –Organized by S. B. College of Science, Aurangabad. (14th February 2012).

- 28) 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. (9th October 2010).
- 29) Convener, three days National Workshop on Data Warehousing and Data Mining, at Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) (25th to 27th February, 2010).
- 30) 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) (17th to 18th February, 2010).
- 31) Participated and worked as Session Coordinator in three days 2nd “International Conference on Advances in Computer Vision & Information Technology” Organized by Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (17th to 19th December 2009).
- 32) Participated three days Workshop on Ontology, NLP, IE & IR organized by IIT, Bombay & Sponsored by HP Labs, Bangalore at CFILT, Bombay. (16th to 18th July, 2008).
- 33) Participated two days Workshop on Embedded Systems & Robotics organized by IETE & Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (24th to 25th March 2008).
- 34) 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. (17th to 20th December 2007).
- 35) Participated and worked as Session Coordinator in three days 1st “International Conference on Advances in Computer Vision & Information Technology” Organized by Dept. of Computer Science & I.T. at Dr. B.A.M. University, Aurangabad. (28th to 30th November 2007).
- 36) Participated in two days 27th 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 (20th to 21st January 2007).
- 37) 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. (21st to 22nd Feb 2005).
- 38) 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. (29th to 30th April 2005).
- 39) Attended one day Workshop on E-Education organized by Dept. of Computer Science & Information Technology and Dept. of Library & Information Science and University

Library. (16th September 2004).

- 40) Attended one day workshop on Guidance and Preview of T.E. (I.T) Structure and syllabus. (7th August 2002).
- 41) Participated in National Conference on “Emerging Trends in Engineering Education” Organized by D.T.E. and Govt. Engineering College, at Aurangabad. (25th to 26th October 2002).
- 42) Participated in the Exhibition Cum Seminar and Workshop on the *e-com* perspective held at Aurangabad. (2nd- 4th Feb 2001).
- 43) Attended two days Awareness Workshop on Accreditation (N.B.A.) conducted at V.I.T. Pune. (8th to 9th April 2001).
- 44) Attended one-day meet/workshop organized by M.S.B.T.E. R.O. Aurangabad on “Role of Principal in Effective Curricular Implementation” (22nd October-2001).
- 45) Participated two days National Workshop on “A.T.M Technology for Multimedia Applications”, organized by S.S.G.M. College of Engineering, Shegaon. (12th to 13th Feb 2000).
- 46) Attended one day National Workshop on “Impact of Information Technology on Technical Education”, Organized by Government College of Engineering, Pune. (24th Feb 2000).

16. ADMINISTRATIVE 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) 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).

17. Training and Workshops Completed/Organized

- 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.)



Professor (Dr.) R. R. DESHMUKH