

# **RAKESH JAGDISH RAMTEKE**

M.Sc., M. Tech., Ph.D.

Sr. Professor

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## **Address for correspondence**

School of Computer Sciences,  
KBC North Maharashtra University,  
P.B. No. 80, Umavinagar, Jalgaon.  
Pin-425001, (Maharashtra), INDIA.  
Phone: +91-257-2257453 (O), Ext-333

## **1. Personal Details**

Date of Birth	:	May 31 <sup>st</sup> , 1972
Marital status	:	Married
Languages known	:	English, Hindi, Marathi
Father's name	:	Jagdish Damaji Ramteke.
Permanent address	:	At- PetrolPump, Po- Jawaharnagar, Tq/Dist- Bhandara Pin-441906, (Maharashtra), INDIA.

## **2. Academic Qualification**

- **Ph.D. (Computer Science)** July' 2007  
**Thesis Title:** Recognition of Handwritten and Typed Based Document in Marathi.
- **M.Sc. (Computer Science)** June'1995
- **B.Sc.** July'1993  
**Subjects:** Physics, Electronics, Mathematics
- **M. Tech. (Computer Science & Engineering)** January' 2014  
**Dissertation Title:** Automated Analysis of Sperm Motility and Morphology.  
**Education Pursued:** *Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS), India.*

## **3. Areas of Interest**

### **3.1. Academic Interest**

Image Processing and Pattern Recognition, Artificial Intelligence & Machine Learning, Fuzzy Logic, Discrete mathematics, Neural Network, Data structures, C, C++, MATLAB Programming.

### **3.2. Research Interest**

Handwritten Character recognition, Document image analysis, Feature extraction, Cluster analysis, Image segmentation, Object recognition, Medical Image Analysis, Soft Computing, Text-To-Speech Synthesis, Biometric Recognition, Contemplative Science, Machine Learning Algorithms.

#### 4. Awards / Fellowships/ Honors Received:

- UGC Teacher Research Fellowship during 2004 - 2006.
- Finalist for Best Student Paper Award for paper entitled, “Feature Extraction Based on Invariant Moments for Handwriting Recognition” at 2006 IEEE International Conference on Cybernetics and Intelligent System (CIS-2006), Bangkok, Thailand, on 7<sup>th</sup>– 9<sup>th</sup> June 2006.
- **Member**, Selection Committee for National Overseas Scholarship Scheme for Scheduled Caste under the Ministry of Social Justice & Empowerment, Govt. of India, New Delhi.
- **Member**, Academic Council, Government College of Engineering, Jalgaon.
- **Co-coordinator**, Maharashtra State Marathi Encyclopedia Development Board for Information Technology/ Computer Science, Govt. Of Maharashtra, Mumbai.
- **Best Teacher Award-2016**, By North Maharashtra University, Jalgaon.
- **Member/ Member Coordinator**, NAAC Peer Team, Bangalore, India
- **Expert/Member**, SET Examination Committee, Madhya Pradesh Public Service Commission, Indore.
- **Expert/Member** of Selection Committee, Chhattisgarh Public Service Commission, Raipur.
- **Recognition as World Scientist, KBCNMU Rank – 13, India Rank – 15571 at Ranking for Scientist by AD Scientific Index 2024.**

#### 5. Experience

- **Professional:** 26+yrs.

Name of the Institution	Post-held	Experience in Years	
		From	To
Shri Shivaji Science & Arts College, Chikhli, Dist- Buldana. (S.G.B.Amaravati University, Amaravati)	Lecturer	04/10/1995	03/10/2001
	Sr. Lecturer	04/10/2001	03/10/2006
	Lecturer (Selection Grade)	04/10/2006	31/07/2008
KBC North Maharashtra University, Jalgaon	Reader (Associate Professor)	01/08/2008	03/10/2012
	Professor	04/10/2012	26/05/2023
	Sr. Professor	27/05/2023	Till Date

- **Research:** (22+yrs) Including Ph.D. degree.
  - **Thesis (Ph.D./M.Phil) Supervision:**
    - Awarded **M.Phil. Degree to 3 students** under the guidance.

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Topic of Research</b>	<b>Date of Award</b>
1.	<b>Mrs. Vrunda Madhukar Chaudhari</b>	Extracting Knowledge to Establish Correlation between Patients Information and Disease	<b>15-11-2010</b>
2.	<b>Vinod Agarkar</b>	Analysis of Sperm Morphology in Microscopic Images Based on Moment Invariants	<b>18-11-2009</b>
3.	<b>Misal Satish Bapurao</b>	Shape Identification in Image	

➤ **Awarded Ph. D. Degree to 16 (14 - Indian and 2-Forigen) students under the guidance**

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Topic of Research</b>	<b>Date of Registration</b>	<b>Date of Award</b>
1.	<b>Shaikh Abdhul Hannan Abdhul Mannan</b>	Development of an Expert System for Diagnosis and Appropriate Medical Prescription of Heart Disease Using Neural Network Techniques	21-01-2009	28-09-2011
2.	<b>Imran Khan Muneer Khan Pathan</b>	Automatic Segmentation and Recognition of Offline Handwritten Urdu Text	21-01-2009	29-04-2014
3.	<b>Dipak Nanaji Besekar</b>	Study for Recognition of Handwritten Text of MODI Script	15-07-2010	18-02-2015
4.	<b>Ai-Hamdani Abdulbari Ahmed Ali</b> (Foreign Student)	Segmentation and Recognition of Offline Cursive Handwritten Arabic Documents	22-02-2011	03-02-2015
5.	<b>Sunil Shravan Nimbhore</b>	Development of Natural Sounding Speech Synthesis for Devnagari Text Processing	22-02-2011	09-04-2016
6	<b>Bhojraj Hanumant Barhate</b>	Development of Information Security Algorithms Through Cryptography and Steganography	20-01-2012	14/08/2017
7	<b>Ramteke Ghanshyam Digambar</b>	Implementation of Speech Synthesis System for Marathi Language Books (Bal-Bharti) in used Primary Domain for Maharashtra State	06-05-2013	01/09/2017
8	<b>Mrs. Monali Yashwant Khachane</b>	Fuzzy based Multimodal Medical Image Analysis	22-02-2011	11/09/2017
9	<b>Dinesh Satange</b>	Face and Facial Expression Recognition	15-07-2010	23/12/2017
10	<b>Akram Saleh Musaed Alsubari</b> (Foreign Student)	A Multimodal Enhancement Biometrics Recognition System Based on Fusion of Palmprint, Face and Iris	06-05-2013	20/07/2019
11	<b>Ms. Ranjana Sitaram Zinjore</b>	Identification and Recognition of Handwritten Bilingual (Devnagari-English) Script	22-02-2011	29/01/2020
12	<b>Arvind Tayade</b>	Automated Recognition of Korku Language text and Translation to Marathi	15/07/2010	08/02/2022

13	<b>Sanjay S. Gharde</b>	Developing Computational Model of Consciousness and Mental Factors Classification using Non-Axiomatic Logic and Abhidhamma	21/05/2018	17/02/2023
14	<b>Amit Patil (Co-Guide)</b>	Nisandigdhak- Word Sense Disambiguation Framework for Marathi	09/02/2015	17/04/2023
15	<b>Suchita Chavan (Co-Guide)</b>	Robust and Efficient Hybrid Approach for video Inpainting	21/05/2018	18/01/2024
16	<b>Ms. Nilima P. Patil</b>	Word Spotting For Ancient Handwritten Devanagari Document	21/05/2018	12/03/2024

➤ 6 Students are pursuing Ph.D. degree under the guidance.

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Topic of Research</b>	<b>Date of Registration</b>	<b>Status</b>
1.	<b>Sanjay Pate</b>	Design and Development of Devanagari script text based CAPTCHA with Grid based Graphical Password for Secure User Authentication	24/05/2018	In progress
2.	<b>Rakesh Y. Gedam</b>	Analysis of Human Activities for Behavior Recognition Using Computer Vision Techniques	24/05/2018	In progress
3.	<b>Ms. Anita Dubey</b>	Designing Script Based Captcha for web Security	15/07/2014	In progress
4.	<b>Ms. Archana Patil</b>	Development of Multimodal Biometric Recognition Based on Palmprint and Signature Images	15/01/2014	In progress
5.	<b>Nitin Suryawanshi</b>	Implementation of Healthcare Documents Digitalization based on Unstructured Data to Structured Database.	04/11/2020	In progress
6.	<b>Mohammed Rashed Ali Omar AL-maamari</b>	Arabic Document Image Recognition and its Text To Speech Synthesis (TTS)Based on Deep Learning Techniques.	04/11/2020	In progress

○ **Research Project:**

➤ **Completed:**

- Major Research Project entitled “**Development of Text to Speech (TTS) System for Natural Sounding Marathi Language**”. The Project was sanctioned and approved financial assistance of Rs. 5,08,816/- under UGC scheme of Major Research Project.
- Research Project entitled “**Development of Voice Synthesis System for Marathi, Hindi & English in Primary Education Domain**”. The Project was sanctioned and approved financial assistance of Rs. 1,00,000/- under RGSTC-NMU scheme of Research Project.
- Dy. Co-ordinator**, Research and Teaching Project Under the **UGC’s SAP-DRS Phase II for the thrust areas, NLP, Image Processing and Information Retrieval**. The Project was sanctioned and approved financial assistance of Rs. 57.50 Lakhs for duration of 5 years (01-04-2018 to 31-03-2023).

## 6. Publication: 146

International Journals – **60**, National Journals – **03**, Patents – **02**, Databases – **03**, Copyrights – **02**, Proceedings of International Conference – **40**, Book Chapter – **06**, Book Edited – **1**, Proceedings of National Conference – **29** (*List is attached*)

**No. of Patents awarded/published: 2**

### 1. INDIA:

Title of Invention: “*Gharde-Ramteke Abhidhamma Based (GRAB) Thought Model – A Computational Model of Consciousness*”, Indian Patent application No. 202221004965  
Application Date: 29.01.20202, Publication Date: 04.03.2022.

### 2. SOUTH AFRICA:

Title of Invention: “*A Computational Model of Consciousness*”, patent granted by Republic of South Africa with application No. 2022/04043, filled on 11/04/2022, and granted on 29/06/2022.

## 7. Membership and Recognition:

- i) IEEE Student Member for 2005-06, 2006-07, (No.80239919)
- ii) Member of International Association of Engineers (MIAENG) (No. 100424)
- iii) Senior Member International Association of Computer Science and Information Technology (IACSIT) (No. 80331580)
- iv) Member of The Institution of Electronics And Telecommunication Engineers (IETE), New Delhi, (No. M-224766), (S. No. : 1103206)

### Recognition:

- 1. **Google Scholar Link:** [scholar.google.co.in/citations?user=q84NbSUAAAAJ&hl=en](https://scholar.google.co.in/citations?user=q84NbSUAAAAJ&hl=en).
- 2. **Scopus Author ID – 16647392100**  
**Link :** [www.scopus.com/authid/detail.uri?authorId=16647392100](https://www.scopus.com/authid/detail.uri?authorId=16647392100)
- 3. **ORCID ID – 0000-0001-9000-1282**  
**Link :** [orcid.org/0000-0001-9000-1282](https://orcid.org/0000-0001-9000-1282)
- 4. **Vidwan ID – 58251**
- 5. **Web of Science Research ID: AAD-3453-2020**

## 8. Academic Courses Participated

- 1. Participated in U.G.C. sponsored Orientation Course at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, (M.S.) during 02/05/1998 to 30/05/1998.
- 2. Participated in U.G.C. sponsored Refresher Course in “*Computer Science*” at M.G. University, Kottayam, Kerala, during 06/05/2002 to 30/05/2002.
- 3. Participated in U.G.C. sponsored Refresher Course in “*Digital Image Processing*” at J.N.T. University, Hyderabad, A. P. during 17/01/2005 to 05/02/2005.
- 4. Participated in U.G.C. sponsored Refresher Course in “*Computer Science*” at UGC- Refresher Course Center, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad from 05/12/2005 to 24/12/2005.

## 9. Activities

### 9.1. Administrative

- ✓ **Appointed, as NCC Officer** with letter No. G/637/ANO on 31/07/2000 and worked as Lieutenant at 13, Maharashtra, Battalion, NCC, Khamgaon, Unit No. 3, Shri Shivaji Science and Arts College, Chikhli, Dist.– Buldana from 31/07/2000 to 18/05/2005. As an NCC officer Participated in 5 National level NCC Camps.
- ✓ **Senate Member**, North Maharashtra University, Jalgaon.
- ✓ **Director**, Dr. Babasaheb Ambedkar Competitive Examination Coaching Centre (BACECC), NMU, Jalgaon
- ✓ **Chairman**, Student, Team Manager & Jury Members Accommodation committee, for state level AVISHKAR 2013' held at NMU, Jalgaon during 16-18/01/2014.
- ✓ **Member**, Human Resource Development under Skill Development Scheme
- ✓ **Member of BUTR**, Faculty of Science, NMU, Jalgaon.
- ✓ **Member** career oriented course co-ordination (COCC) committee.
- ✓ **Chairman**, Board of Examiners for General Knowledge Subject.
- ✓ **Member**, Rule Framing Committee for Dept of Adult & Continuing Education, NMU, Jalgaon.
- ✓ Hon'ble Vice-Chancellor's Nominee / Reservation Nominee /Subject Expert of various Interview Committees of NMU, Jalgaon for appointment of teachers.
- ✓ **Member**, Advisory Committee, Dept. of Dr. Ambedkar Thoughts, NMU, Jalgaon.
- ✓ **Member**, Purchase committee for purchasing computer & Printer & AMC
- ✓ **Member**, IQAC, NMU, Jalgaon during 2012-2015.
- ✓ **Member**, committee for applying 60-40 pattern for PG courses
- ✓ **Member** of Central Admission process committee of PG (M.Sc.) of affiliated colleges and Univ. Depts./ Schools of for academic year 2014-15.
- ✓ **Chairman**, Accommodation Committee, for 22nd Convocation held on 21.05.2014
- ✓ **Member** of Project Proposal preparation Committee for starting B.Voc. Degree programme at NMU, Jalgaon.
- ✓ **Member**, Committee Constituted for submission of detail proposal under component of RUSA.
- ✓ Nominated as a Chief Co-Ordinator for MHRD's NMECIT Project.
- ✓ **Chief Co-ordinator**, Pre-Ph.D. workshop 2013.
- ✓ **Member of organizing committee**, National workshop NWAC-2014, organized by School of Computer Sciences, NMU, Jalgaon.
- ✓ **Member**, University campus PG Admission committee.
- ✓ **Member** of Committee for distribution of grants under UGC XII plan for Travel grants, Conference/ Seminar/ Symposia/ Workshop, Publication Grants
- ✓ **Member**, Purchase committee for purchasing Server, Computer, Printer, UPS, LCD Projector, Scanner etc.
- ✓ **Director**, (BCUD) nominee for physical verification of construction under college development scheme & Merged scheme, UGC XI plan at M. J. College, Jalgaon on 11.07.2014

- ✓ **Rector**, Boys Hostel No. 3, NMU, Jalgaon.
- ✓ **Member**, Hostel Development-Zone council, NMU, Jalgaon.
- ✓ **Member**, University level inter-colleges youth festival 2012-2013.

## 9.2. *Academic*

- ✓ **Chairman/Member**, Local Enquiry Committee at various affiliated colleges under the jurisdiction of NMU, Jalgaon.
- ✓ **Co-coordinator**, UGC Entry into service scheme (Merged scheme) for conducting coaching classes for SC/ST/Minority students. During the period 01.01.2014 to 31.03.2014
- ✓ Deputation by Hon'ble VC as panel member of Judges for INSPIRE Exhibition at KV, NMU, Jalgaon.
- ✓ **Member** of Selection Committee for clerk/Tech. Asst. Post for central training & placement cell (CTPC) NMU, Jalgaon.
- ✓ **Member** of committee constituted for preparation of project proposal submitted to RUSA (Rastriya Uchchattar Shiksha Abhiyan)
- ✓ **Member**, selection committee for staff recruitment for day care centre a, NMU, Jalgaon.
- ✓ **Member/** Subject Expert, Selection committee for Contractual Teachers at Kendriya Vidyalaya, NMU, Jalgaon.
- ✓ Worked as a **Session Chair, Program Committee member**, Member of organizing committee, Resource Person and delivered talks in many International & National Conferences.

## 9.3. *Research*

- ✓ **Member** of International Association of Engineers (MIAENG) (No. 100424)
- ✓ **Senior member** of the International Association of Computer Science and Information Technology, Singapore (IACSIT) (No. 80331580).
- ✓ **Member** of Editorial Board of "International Journal of Computer Application & Business Intelligence, ISSN: 0975-945x"
- ✓ **Member** of the Institution of Electronics and Telecommunication Engineers (IETE) (No. M-224766)
- ✓ **Member**, Editorial Board, Machine Learning Research (MLR) journal, Science publishing Group Inc, New York, USA. [www. Sciencepublishinggroup.com/j/mlr](http://www.sciencepublishinggroup.com/j/mlr).
- ✓ As a **reviewer** at Journal of China Communications, IEEE Xplore Digital Library Indexed by SCIE, Available link: [www.cic-chinacommunications.cn](http://www.cic-chinacommunications.cn).
- ✓ As a **reviewer** at International Journal of Computer Application & Business Intelligence, ISSN: 0975-945x.
- ✓ As a **reviewer** at Advances in Computational Research, ISSN: 0975-3273 & E-ISSN: 0975-9085, Available link: <http://www.bioinfo.in>
- ✓ **Convener** of National Conference on Advances in Computing (NCAC-2012) with tie International Journal of Advances in Computational Research on 16-17th March 2012, ISSN: 0975-3273 & E-ISSN: 0975-9085, Available online at <http://www.bioinfo.in/contents.php?id=33>
- ✓ **Member**, Adhoc BOS, computer Management.
- ✓ **Member** of Vision – 2040, NMU, Jalgaon.

- ✓ **Member**, Research and Recognition Committee, KBCNMU, Jalgaon
- ✓ **Visited Singapore**, for presenting two papers and discussion at 3rd International Conference on Machine Learning and Computing (ICMLC-2011), on 26th – 28th Feb. 2011.
- ✓ **Member**, Board of Studies, SGB Amaravati University, Amaravati.

#### 9.4. *Examination*

- ✓ **Appointed** as a paper setter for online pre-phd. Course work examination 2014, 2015.
- ✓ **Member** of Ph.D. Entrance Test (PET) Syllabus/Examination related work for Computer Science and Applications subject.

#### 9.5. *Invitee Talk/ Resource person/ Session Chair/ Expert*

1. Delivered a Key-Note Lecture on “**Relevance of Cognitive Science in Maintenance of Conflict and Peace**” in National Seminar on Conflict Resolution and Peace organized by School of Social Sciences, M. J. College (Autonomous), Jalgaon (M.S.) on 4<sup>th</sup> April, 2023.
2. Delivered a Lecture on “**A Journey of Pattern Recognition to Cognitive Science Via ChatGPT**” in UGC SAP (DRS-II) Webinar on “Advances in Computing” (WAC-2013) at School of Computer Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon on 3rd March, 2023.
3. Delivered Keynote Address to the 2nd International Conference on Emerging Smart Technologies and Applications -2022, (eSmarTA2022) held at Ibb University – Ibb, Yemen on October 25-26, 2022.
4. Delivered an Invitee talk on “**Pattern Recognition Approach to OCR**” in ATAL Faculty Development Program on Robust AI: Building through Data Exploration, pre-processing & Representation conducted by IIIT, Naya Raipur (C.G.) on 04/10/2021.
5. Delivered lecture on “**Revolutionary Technologies in Information Science**” as a Resource Person at UGC sponsored Refresher Course on ICT conducted by UGC-HRD centre, SGB Amravati University, Amravati 26/08/2021.
6. Delivered Online Lecture as a Resource Person at refresher course on “**Futuristic Information Technology**” conducted by SGB Amravati University, Amravati on 28/8/2020.
7. Invitee talk on “**Pattern Recognition and Its Applications**” in International Virtual Conference on Interdisciplinary Development Science, Technology, and Humanities (IVCIDSTH-2020) organized by Chhindwara University, Chhindwara (M.P.), held online on 5-6 August 2020.
8. Delivered Lecture on **Image Processing and its Application** as resource person at 2 days Webinar on Innovative research in CS and Paper writing organized by Smt. G.G. Khadse College, Muktainagar, Dist. Jalgaon on 22/06/2020.
9. **Lecture on Image Processing and its Application** as a resource person at 2 weeks National level training Program on Project Guidance from Selection to Implementation organized by JSPM's Rajashri Shahu college of Engineering, Pune on 03/06/2020.
10. Expert Lecture on **Pattern recognition** as a Resource person at 2 days National Webinar on Recent trends in Computer science research organised by Dr. A.G.D. Bendale Mahila Mahavidyalaya, Jalgaon on 2nd June, 2020.
11. **Session Chair**, 3<sup>rd</sup> Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition held at Dept. of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) on 03-04 Jan, 2020.
12. **Assessor**, online Assessment of Appointment and Promotion Committee, **Jorden University, Jorden** during 2017-2019.
13. **Expert for AVISHKAR-2019 (Phase-I)** organized by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (M.S.) on 30/12/2019.



14. Expert Lecture on **Pattern Recognition** at Dept of Computer Science, Rani Chennamma University, Belgavi, Karnataka on 18/11/2019.
15. Talked on **Role of Dr B R Ambedkar in Structuring Modern Science Through the Lens of 'Waiting For A Visa'** as a **Resource Person** in Faculty Development program organized by School of Management Studies, KBCNMU, Jalgaon on 21/09/2019.
16. **Expert Lecture on Image Processing** at R.C. Patel College, Shirpur on 02/03/2019.
17. **Expert for AVISHKAR-2018 (Phase-I)** organized by Dhanaji Nana Mahavidyalaya, Faizpur and Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon (M.S.) on 27/12/2018.
18. Invited talk on "**Advances in Digital Image Processing**" at National Institute of Electronics & Information Technology (NIELIT), Kolkata on 11/05/2018.
19. **Resource Person** for UGC sponsored **Refresher Course in ICT Application** held at SGB Amravati University, Amravati on 23/10/2018.
20. **Expert for AVISHKAR-2017 (Phase -I)** at North Maharashtra University, Jalgaon (M.S.) 2017.
21. Guest of Honour and delivered **Invited talk on Pattern Recognition** at 3<sup>rd</sup> National Conference on Recent Trends in Computer Science & Applications at KCES's IMR, Jalgaon on 18/02/2017.
22. Presented a Paper entitled "Issues and Challenges of Digital Humanities in Social Media Industry and Memory Institutions", at the International Cross Cultral, Political and Economic Dimension of Global Bussiness: North Americal and Asian Perspective, Held at Encenada, BC, Maxico on 28/05/2016.
23. **Convener**, UGC Sponsored three days National Workshop on National Language Processing & Image Processing (NWNLPIP-2006) Conducted by North Maharashtra University, Jalgaon (M.S.) during 21-23 Jan. 2016.
24. **Worked as Judge** in the University Level Research Convention "AVISHKAR-2015" organized by North Maharashtra University, Jalgaon (M.S.) during 22-23 Dec. 2015.
25. Key-note speech on "**Pattern Recognition Approach to Optical Character Recognition**" at National Conference on Emerging Trends in Computer Research and Technology organized by TES's Bhusawal Arts, Science & P.O. Nahata Comm. College, Bhusawal, Dist- Jalgaon (M.S.) on 17/10/2015.
26. **Member, Organizing Committee**, in the Third Global Sustainable Biotech Congress -2014 organized by North Maharashtra University, Jalgaon (M.S.), GBF, Nagpur and CETYS University, Mexico during 01-05 Dec.2014.
27. **Chairman (Accommodation & Hospitality Committee) & Co-ordinator**, National Conference on Changing Dimensions of Human Rights and Duties organized by North Maharashtra University, Jalgaon (M.S.) during 17-18 July, 2014.
28. Invited talk on "**Advances in Digital Image Processing**" in National Workshop on Advances in Computing NWAC-2014 on 14/02/2014.
29. **Member, Organizing Committee**, National Seminar on Future of India's Internal Security: Challenges and Responses, organized by Dept. of Defense and Strategic Studies, School of Arts and Humanities, North Maharashtra University, Jalgaon (M.S.) during 03-04 Feb, 2014.
30. **Member, Organizing Committee**, AVISHKAR, 8<sup>th</sup> Maharashtra State Inter-University Research Convention, held at North Maharashtra University, Jalgaon (M.S.) during 16-17 Jan, 2014.
31. **Delivered Lectures as a Resource Person** for UGC sponsored **Refresher Course in ICT** held at UGC-Academic Staff College, SGB Amravati University, Amravati on 26/12/2013.
32. **Resource Person** for UGC sponsored **Professional Development Programme Sr. Faculty Short Term** at ASC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) on 31/08/2013.
33. **Session Chair & Member, Organizing Committee**, at National Conference on Advances in Computing (NCAC-2013) organized by School of Computer Sciences, North Maharashtra University, Jalgaon (M.S.) during 05-06 March, 2013.

34. **Resource Person** for the technical session on **Effective Use of ICT in Research** in one week research methodology National Workshop Conducted by North Maharashtra University, Jalgaon (M.S.) on 09/02/2013.
35. **Member, Organizing Committee, YUVARANG-2012 Youth Festival**, conducted by Student Welfare Dept. North Maharashtra University, Jalgaon and SPDM Arts SBB & SHD Commerce & SMA Science College, Shirpur, Dist- Dhule (M.S.) during 05-08 Jan, 2013.
36. **Delivered Expert Lecture** in the subject of Computer Science & Application at UGC NET/SET Coaching Centre, North Maharashtra University, Jalgaon (M.S.) on 08/12/2012.
37. **Chief Guest of Inaugural Function**, in one day National Seminar on 'Innovative Technologies for Insurance Sector' organized by Shri Shivaji College of Arts, Commerce & Science Akola (M.S.) on 05/10/2012.
38. **Delivered Lecture as a Resource Person** for UGC sponsored **Refresher Course in ICT** held at UGC-ASC, SGB Amravati University, Amravati on 25/07/2012.
39. **Convener**, National Conference on Advances in Computing (NCAC-2012), Dept. of Computer Science, North Maharashtra University, Jalgaon (M.S.) during 16-17 March, 2012.
40. **Delivered Two Lectures as a Resource Person** for UGC sponsored **Refresher Course in Physics/ Computer Science/ Electronics** at UGC-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) on 21/03/2012.
41. **Delivered Two Expert Lectures** in the subject of Computer Science & Application at UGC NET/SET Coaching Centre, North Maharashtra University, Jalgaon (M.S.) on 08 & 14 Dec., 2011.
42. **Delivered Expert Lecture** on 'Computer Network' and 'Computer Graphics' in Dept of Information Technology, SSBT's College of Engineering and Technology, Bambhori, Jalgaon (M.S.) on 22/09/2011 and 29/09/2011 respectively.
43. **Delivered Two Lectures as a Resource Person** for UGC sponsored **88<sup>th</sup> Orientation Course** at UGC-Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) on 21/07/2011.
44. **Member, Organizing Committee**, National Conference on Advances in Computing (NCAC-2011), Dept. of Computer Science, North Maharashtra University, Jalgaon (M.S.) during 24-25 Feb, 2011.
45. **Delivered Two Expert Lectures** on 'Image Processing' in the subject of Computer Science & Application at UGC NET/SET Coaching Centre, North Maharashtra University, Jalgaon (M.S.) on 04 & 09 May, 2010.
46. **Resource Person** at National Seminar on **Image Processing** organized by Arts, Science college, Kirannagar, Amravati and by SGB Amravati University, Amravati on 10/3/2010.
47. **Session Chair**, National Conference on Recent Trends in Computer Application (NCRTCA-2010) organized by Dept. of Management Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 17-18 Feb. 2010
48. **Delivered Expert Lecture** on 'Fuzzy Logic' in the subject of Computer Science & Application at UGC NET/SET Coaching Centre, North Maharashtra University, Jalgaon (M.S.) on 15/12/2009.
49. **Delivered Two Expert Lectures** on 'Fuzzy Logic' in the subject of Computer Science & Application at UGC NET/SET Coaching Centre, North Maharashtra University, Jalgaon (M.S.) on 13-14 May, 2009.
50. **Delivered Two Lectures** in UGC Sponsored Refresher Course in Basic Science organized by UGC-Academic Staff College, SGB Amravati University, Amravati on 09/06/2009.
51. **Chairman**, Second Technical Session of UGC Sponsored National Seminar on 'e-Governance for Common Man' organized by Dhanwate National College, Nagpur (M.S.) on 11/10/2008.
52. **Distinguished Session Chair**, International Conference on Advances in Computing (ICAC-2008) on Feb. 21-22, 2008.

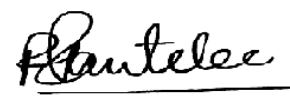
53. **Member, Program Committee**, in National Conference on Advances in Information Technology and Internet Security-AITIS 2008 organized by Sinhgad Institute of Business Administration & Research, Kondhwa, Pune on 04-05 Jan, 2008.

**9.6. Other**

- ✓ Organized Blood Donation Camp at Shri Shivaji Science and Arts College, Chikhli, Dist – Buldana on the occasion of Birth Anniversary of Late Pandharinathji Patil on 11/10/2002 and 11/10/2003.
- ✓ **Member** of Anti-Ragging Committee, NMU, Jalgaon
- ✓ **Worked as an Expert** of GDPI organized by Directorate, Technical Education, Mumbai in Dept. of Management Studies, North Maharashtra University, Jalgaon.
- ✓ Completed NCC Pre Commission Course at NCC, Officer Training School (OTS), Kamptee, Nagpur from 10/12/2001 to 09/03/2002.

**Declaration**

I solemnly declare that the given particulars are true to the best of my knowledge and belief.

  
(Dr. R. J. Ramteke)

## Publications:

### Publication Summery: 146

International Journals – **60**, National Journals – **03**, Patents – **02**, Databases – **03**, Copyrights – **02**, Proceedings of International Conference – **40**, Book Chapter – **06**, Book Edited – **1**, Proceedings of National Conference - **29**

### ➤ International Journals

1. Suchita A. Chavan, Nandini M. Chaudhari, **Rakesh J. Ramteke**, Umesh B. Pawar, "Mathematical analysis behind occlusion handling in image with deep learning", Int. Journal of Information Technology, Vol.15, Pg. 3741–3749, (August 2023). <https://doi.org/10.1007/s41870-023-01408-2>.
2. Nilima P. Patil, **R. J. Ramteke**, "A Novel Optimized Deep Learning Framework to Spot Keywords and Query Matching Process in Devanagari Script", Multimedia Tools and Application, Vol. 82, Pg. 30177-30199, March 2023, <https://doi.org/10.1007/s11042-023-14912-1>.
3. Suchita A. Chavan, Nandini M. Chaudhari, Rakesh J. Ramteke, "A Novel Deep Learning Based OSOPeel Approach for Video inpainting", NeuroQuantology, Vol.20, Issue 11, Pg. 8484-8490, Dec.2022, doi: 10.48047/nq.2022.20.11.NQ66842 (IF: 1.038)
4. P. Tambare, C. Meshram, C-C. Lee, **R. J. Ramteke**, A. L. Imoize, "Performance Measurement System and Quality Management in Data-Driven Industry 4.0: A Review", Sensors 2022, 22(1), 224. <https://doi.org/10.3390/s22010224>.
5. Rakesh Yashwant Gedam, **Dr. Rakesh. J. Ramteke**, "Comprehensive Study of Different Dataset for Human Action and Activity To Understanding Human Behavior Using Computer Vision Technique", Journal of Engineering, Computing & Architecture, ISSN NO:1934-7197, Volume 11, Issue 6, pp. 16-39, DOI:17.0002.JECA.2021.V11I6.200786.7002, JUNE – 2021.
6. R. Y. Gedam, **R. J. Ramteke**, "Application and Challenges For Analysis of Human Action and Activity For Behavior Understanding", Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, Volume 8 Issue 4, pp. 1208-1213, May-2021.
7. **R. J. Ramteke**, S. S. Gharde, "Computational Model of Consciousness for Generation and Classification of Aroused Thoughts", Sambodhi: Indological Research Journal of LDII (UGC Care List), ISSN: 2249-6661, Vol-44, No.-1, (III), pp. 131-140 January-March 2021.
8. Amit Patil, **R. J. Ramteke**, R. P Bhavsar, Hemant Darbari, "Marathi Language Word Sense Disambiguation using Modified Lesk Algorithm", Journal of Information and Computational Science, ISSN: 1548-7741, Volume 11 Issue 1, pp.281-288, Jan-2021.
9. Nilima P. Patil, **R. J. Ramteke**, "Implementation of Preprocessing and Segmentation Methodologies for Word Spotting in Ancient Handwritten Text Documents", Strad Research, ISSN: 0039-2049, Vol.8 (2), pp. 177-184, 2021.

10. S. S. Gharde, **R. J. Ramteke**, “*Review of Computational Models of Consciousness*”, Kala Sarovar (UGC Care Group-1 Journal), ISSN:0975-4520, Vol-23 No.02(II), pp. 74-83 July-September 2020.
11. Chandrashekhar Meshram, Cheng-Chi Lee, S. Meshram, R. J. Ramteke, A. Meshram, “*An Efficient Mobile-Healthcare Emergency Framework*”, Journal of Medical System, <https://doi.org/10.1007/s10916-019-1458-3>, pp. 44-58, 2020. (IF- 2.415).
12. Akram Alsubari, S.A. Hannan, Md. H. Alzahrani, **R. J. Ramteke**, “*Composite Feature Extraction and Classification for Fusion of Palm-Print and Iris Biometric Traits*”, International Journal of Engineering, Technology and Applied Science Research, Vol. 9, No.1, pp. 3807-3813, 2019.
13. Akram Alsubari, **R. J. Ramteke**, “*Multimodal of Face and Iris based on Local Binary Pattern and Gabor-Zernike Moments*”, International Journal of Advanced Research in Computer Science (IJARCS), pp. 141-144, Feb-2018.
14. Akram Alsubari, **R. J. Ramteke**, “*Extraction of Face and Palmprint Features based on LBP, HOG and Zernike Moments*”, International Journal of Computer Applications 172(5), pp. 31-34, August 2017.
15. G. D. Ramteke, **R. J. Ramteke**, “*Efficient Model for Numerical Text-To-Speech Synthesis System in Marathi, Hindi and English Languages*”, International Journal of Image, Graphics and Signal Processing, Vol.9, No.3, pp.1-13, 2017.
16. G. D. Ramteke and **R. J. Ramteke**, “*A Survey of Speech Synthesis System*”, International Journal of Research in Science & Engineering, e-ISSN:2394-8299, p-ISSN: 2394-8280, vol. 2, issue 3, pp. 72-83, May-June 2017.
17. D. N. Satange, Akram Alsubari, **R. J. Ramteke**, “*Composite Feature Extraction based on Gabor and Zernike Moments for Face Recognition*”, IOSR-Journal of Computer Engineering, e-ISSN: 2278-0661, p-ISSN: 2278-8727, pp. 17-23, Feb-2017.
18. G. D. Ramteke, **R. J. Ramteke**, “*Text-To-Speech Synthesizer for English, Hindi and Marathi Spoken Signals*”, British Journal of Applied Science & Technology, ISSN: 2231-0843, Vol-15, Issue-3, pp. 1-16, Mar 2016.
19. G. D. Ramteke, **R. J. Ramteke**, “*Text-To-Speech Synthesizer Based On Phonetic and Voice Processing In Marathi And Hindi Language*”, Asian Journal of Mathematics and Computer Research, vol. 14, no. 3, pp. 247-266, Dec. 2016.
20. R.S.Zinzore, R. J. Ramteke, “*Preprocessing and Extraction of Characters-Numerals from Handwritten Bilingual Datasheet*”, International Journal of Computer Research & Technology, ISSN:2454-7719, Vol. 2(2), pp. 112-114, 2016.
21. Barhate B. H., Ramteke R. J., “*Implementation of Information Security Layers by Crypto-Stegno Combined Model*”, International Journal of Computer Research & Technology, ISSN:2454-7719, Vol. 2(2), pp. 215-219, 2016.
22. Barhate B. H., Ramteke R. J., “*Hybrid Steganography and Image Encryption using Visual Cryptography*”, International Journal of Computer Research & Technology, ISSN:2454-7719, Vol. 2(2), pp. 220-223, 2016.

23. G. D. Ramteke, **R. J. Ramteke**, “Devnagari Spoken Vowels for Speech Synthesizer”, International Journal of Computer Research & Technology (IJCRT), pp. 151-155., Vol. 1, Issue-2, Oct-2015.
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25. B. H. Barhate, **R. J. Ramteke**, “Performance Analysis of DES and RSA Algorithms by Festial Structure and Modular Exponentiation Method”, International Journal of Computer Research & Technology (IJCRT), pp. 178-182., Vol. 1, Issue-2, Oct-2015.
26. B. H. Barhate, **R. J. Ramteke**, “Secret Image Hiding Algorithm Using Combination of Least Significant Bit (LSBs)”, International Journal of Computer Research & Technology (IJCRT), pp. 183-186., Vol. 1, Issue-2, Oct-2015.
27. B. H. Barhate, **R. J. Ramteke**, “Implementation of Effective, Robust and BPCS Data Embedding using LSB innovative Steganography Method”, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN 2278-6856, Vol. 4, Issue 4, pp. 136-140, Aug 2015.
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36. **R. J. Ramteke**, M.Y. Khachane, “*Automatic Medical Image Classification and Abnormality Detection Using K-Nearest Neighbour*”, Int. Journal of Advanced Computer Research, ISSN: 2249-7277, Vol.2, No.4, pp. 190-196, Dec. 2012.
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40. I.K.Pathan, A.A.Ali, **Ramteke R. J.**, “*Recognition of Offline Handwritten Isolated Urdu Character*”, Advances in Computational Research- Intl. Journal, ISSN: 0975-3273 & E-ISSN:0975-9085, Vol. 4, No. 1, pp. 117-121, 2012, available @ [www.bioinfo.in](http://www.bioinfo.in)
41. Sangame S.K., **Ramteke R. J.**, Gundge Y.V., “*Efficient Algorithm for Kannada and English Script Identification*”, Advances in Computational Research- Intl. Journal, ISSN: 0975-3273 & E-ISSN:0975-9085, Vol. 4, No. 1, pp. 54-56, 2012, available @ [www.bioinfo.in](http://www.bioinfo.in)
42. S.K Sangame, **R.J Ramteke**, Yogesh V.G., “*Recognition of Isolated Handwritten Kannada Characters Using Invariant Moments and Chain code*”, World Journal of science and Technology, 2011, Vol. 1 No. 8, ISSN: 2231-2587, PP. 115-120,2011 available @ [www.worldjournalofscience.com](http://www.worldjournalofscience.com)
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44. **R. J. Ramteke**, Imran Khan Pathan, S.C. Mehrotra, “*Skew Angle Estimation of Urdu Document Images: A Moments Based Approach*”, International Journal of Machine Learning and Computing, ISSN: 2010-3700, Vol. 1, No. 1, pp.7-12, 2011, Available at <http://ijmlc.org/papers/02-C00429-R002.pdf>
45. S.A. Hannan, R.R. Manza, **R. J. Ramteke**, “*Generalized Regression Neural Network and Radial Basis Function for Heart Disease Diagnosis*”, International Journal of Computer Application, ISSN: 0975-8887, Vol. 7, No. 13, doi: 10.5120/1325-1799, pp.7-13, Oct.2010, Available at <http://www.ijcaonline.org/archives/volume7/number13/1325-1799>.
46. S.A. Hannan, V.D. Bhagile, R.R. Manza, **R. J. Ramteke**, “*Expert System for Diagnosis and Appropriate Medical Prescription of Heart Disease Using Radial Basis Function*”,

CiiT International Journal of Artificial Intelligent System and Machine Learning, ISSN 0974-9667, Vol. 2, No. 8, DOI: AIML082010006, pp. 184 -193, Aug. 2010.

47. S.A. Hannan, V.D. Bhagile, R.R. Manza, **R. J. Ramteke**, “*Development of an Expert System for Diagnosis and Appropriate Medical Prescription of Heart Disease Using SVM and RBF*”, IJCSIS, International Journal of Computer Science and Information Security, Vol. 8, No. 5, ISSN- 1947-5500, pp. 245-254, Aug.2010.
48. S.A. Hannan, P.L. Yannawar, R.R. Manza, **R. J. Ramteke**, “*Expert System Data Collection Techniques for Heart Disease*”, International Journal of Innovative Research in Science and Techniques (IJIRST), Vol. 1, No. 1, ISSN- 2229-3116, pp. 31-36, June.2010.
49. S.A. Hannan, V.D.Bhagile, R.R. Manza, **R. J. Ramteke**, “*Diagnosis and Medical Prescription of Heart Disease Using Support Vector Machine and Feedforward Backpropagation Technique*”, International Journal on Computer Science and Engineering (IJCSE), ISSN: 0975-3397, Vol. 2, No. 6, pp.2150-2159, 2010, Available at <http://www.enggjournals.com/ijcse/doc/IJCSE10-02-06-84.pdf>
50. **R. J. Ramteke**, “*Invariant Moments Based Feature Extraction for Handwritten Devanagari Vowels Recognition*”, International Journal of Computer Applications, ISSN No. 0975-8887, Vol. 1, No. 18, pp.1-5, Feb.2010, Available at <http://www.ijcaonline.org/archives/number18/392-585>.
51. **R. J. Ramteke**, S. Shafiyoddin, Imran Khan, “*Urdu Word Typology and Word Segmentation Problem*”, International Journal of Computer Application & Business Intelligence, ISSN: 0975-945x, Vol.1, No.1, Jan 2010
52. Sangame S.K., **Ramteke R.J.**, Rajkumar Benne, “*Recognition of isolated handwritten Kannada vowels*”, Advances in Computational Research, ISSN: 0975–3273 & E-ISSN: 0975–9085, Volume 1, Issue 2, pp-52-55, 2009.
53. Imran Khan Pathan, S. A. Hannan, **R. J. Ramteke**, “*Urdu Word Typology and Word Segmentation Methods – Review*”, International Journal of Computer Engineering, ISSN: 0975-6116, pp 157-163, Dec. 2009.
54. M. A. Ali, S. A. Hannan, **R. J. Ramteke**, “*Text Data Hiding in the Form of Images*”, International Journal of Computer Engineering, ISSN: 0975-6116, pp 51-55, Dec. 2009.
55. S. K. Sangame, S. A. Hannan, **R. J. Ramteke**, “*Isolated Handwritten Text (Word) for Optical Character Recognition Using Feature Extraction*”, International Journal of Computer Science, System Engineering & Information Technology (IJCSEIT), Vol. 2, No. 2, ISSN: 0974 – 5807, pp 151-155, Dec-2009.
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57. Shaikh Abdul Hannan, R.R. Manza, **R. J. Ramteke**, “*Heart Disease Relationship between Disease, Symptoms, Medicine and its Side Effects*”, International Journal of Computational Intelligence Research & Applications, ISSN: 0973-6794, Volume 3, Number 2, pp. 289-292, July-December 2009.



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59. **R. J. Ramteke**, S. C. Mehrotra, “Compound Feature Extraction for Printed Marathi Numerals Recognition”, Journal of Intelligent Computing and Applications (JICA), International Science Press, Vol. 2, No. 2, ISSN: 0974-410x, pp. 75-85, Dec – 2009.
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### ➤ National Journals

1. Anita B. Dube, G.D. Ramteke, R. J. Ramteke, “Designing and Segmentation of Devanagari Script Based Captcha for Security of Web Based Application”, Gravida Review Journal (UGC care List-II), Vol.9, Issue 3, Pp 921-930, March 2023.
2. V. M. Rokade, **R. J. Ramteke**, C. P. Bhoyar, S. P. Khadse, “Groundwater Level Forecasting Using Learning Vector Quantization (LVQ): A Case Study from Kholad Watershed, Wardha River Basin, Amravati District, Maharashtra”, Gondwana Geological Magazine, Vol.27 (2), pp. 165-171, 2012.
3. D. N. Besekar, **R. J. Ramteke**, “A Chain Code Approach for Recognizing Modi Script Numerals”, Indian Journal of Applied Research, Vol. 1, No. 3, pp. 222-225, 2011.

### ➤ Patents published / Granted:

#### 1. INDIA:

Title of Invention: “*Gharde-Ramteke Abhidhamma Based (GRAB) Thought Model – A Computational Model of Consciousness*”, Indian Patent application No. 202221004965  
Application Date: 29.01.20202, Publication Date: 04.03.2022.

#### 2. SOUTH AFRICA:

Title of Invention: “*A Computational Model of Consciousness*”, patent granted by Republic of South Africa with application No. 2022/04043, filled on 11/04/2022, and granted on 29/06/2022.

### ➤ Databases Publications

1. Sanjay Gharde, Rakesh Ramteke, January 30, 2022, "GRAB Thought Dataset for Consciousness Models", IEEE Dataport, doi: <https://dx.doi.org/10.21227/mmdh-p641>  
<https://ieee-dataport.org/authors/sanjay-gharde>
2. Prof. Ramteke Rakesh, Sanjay Pate, “Handwritten Devanagari Character Data Set of 44,000 Images for Devanagari CAPTCHA Generation and Recognition”, IEEE data port, DIO: <https://dx.doi.org/10.21227/9zpv-3194>, 2022.
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## ➤ Copyrights

1. Title: "Computational Model of Consciousness for identifying thoughts and classifying mental factors", Diary no. 219/2022-CO/L Filing Date 04.01.2022.
2. Title: "*Process of Consciousness Using Picture of Mango Eating Man Under the Tree*", with registration No. L-118329/2022, Diary No. 12542/2022-CO/L, on dated 20/10/2022.

## ➤ Proceedings of International Conferences

1. Sanjay E.Pate, **R.J.Ramteke**, "*Design And Generation of Devanagari Script CAPTCHA: Imaginative Technique*", (Paper Id: 160) in International Conference on Advances in Computer Vision and Artificial Intelligence Technologies (ACVIT 2022) held on 01-02/08/2022 at BAMU, Aurangabad (M.S.).
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3. **R. J. Ramteke**, S.S. Gharde, "*GRAB Thought Model of Consciousness for Classifying Thoughts and Mental States*", Sixth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2021) held during 17-18 Dec.2021, Jaipur, Rajsthan, India.
4. Suchita A. Chavan, Nandini M. Chaudhari, **R. J. Ramteke**, "*Analyzing the performance of Object Detection and Tracking Techniques*", Sixth International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2021) held during 17-18 Dec.2021, Jaipur, Rajsthan, India.
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6. Akram Alsubari, D. N. Satange, and **R. J. Ramteke**, "*Facial expression recognition using wavelet transform and local binary pattern*", IEEE 2nd International Conference on Convergence in Technology (I2CT), 2017 for, pp. 338-342., April-2017
7. Gharde Sanjay, **R. J. Ramteke**, Vijay A. Kotkar, and Dipak D. Bage. "*Handwritten Devanagari numeral and vowel recognition using invariant moments*" International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICGTSPICC), pp. 255-260. IEEE, Dec-2016.
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11. G. D. Ramteke, **R. J. Ramteke**, “*Hindi Spoken Signals for Speech Synthesizer*”, IEEE 2<sup>nd</sup> International Conference on "Next Generation Computing Technologies" (NGCT-2016), pp. 34, 14<sup>th</sup>-16<sup>th</sup> Oct, 2016.
12. Monali Y. Khachane, R. R. Manza and **R. J. Ramteke**, “*Fuzzy Rule Based Classification of Human Spermatozoa*”, IEEE International Conference on Electrical, Electronics, Signals, Communication And Optimization (EESCO), DOI: 10. 1109/EESCO. 2015.7253656, ISBN: 978-1-4799-7676-8, pp. 1-5, 2015. Available @ ieeexplore.ieee.org
13. Ranjana Zinjore, **R. J. Ramteke**, “*Identification of Devnagari Script from Bilingual Printed Text Document*”, International Conference on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-2014), in association with Springer Journal, Organized by Poornima Institute of Engg. & Tech. Jaipur, 16-17 Jan 2015.
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17. M. Y. Khachane, R. J. Ramteke, ”Automatic Medical Image Classification and Abnormality Detection Using K-Nearest Neighbour” International Conference on Emerging Trends and Technology (ICETT-2012), Indore (M.P) on 15-16 Dec, 2012.
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