

Name : Dr. GHANSHYAM DIGAMBAR RAMTEKE**E-mail ID :** shyam.ramteke@gmail.com**Contact Number :** +91 8550906905**O B J E C T I V E**

To get a competitive, challenging job to deliver best of my skills, make best use of my efforts in gaining experience and reward.

A C A D E M I C Q U A L I F I C A T I O N

Examination	Board/University	Year of Passing	Percentage	Grade
Ph. D. (Computer Science) Awarded on 01, Sept, 2017 Since 06 May, 2013	: School of Computer Sciences, North Maharashtra University, Jalgaon	Thesis Title: Implementation of Speech Synthesis System for Marathi Language Books (BalBharthi) used for Primary Education in Maharashtra State.		
	Research Supervisor : Dr. R. J. Ramteke, Professor and Head, Dept. of Information Technology, School of Computer Sciences, North Maharashtra University, Jalgaon.			
M. C. A. (Computer Science and Application)	: North Maharashtra University, Jalgaon	Apr-2010	57.71%	II
M. Sc. (Computer Science)	: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Apr/May-2022	87.7% (CGPA: 8.77 out of 10)	A++
B. Sc. (Computer Science)	: North Maharashtra University, Jalgaon	Apr-2006	58.47%	II
H. S. C. (Science)	: Maharashtra State Board, Nasik	Feb-2003	49.33%	II
S. S. C. (Marathi Medium)	: Nasik	Mar-2000	53.33%	II

A R E A S O F I N T E R E S T

Research Interest	: Speech Processing: Text-To-Speech Synthesis System, Speech Enhancement, Speech Recognition, Speech Coding
Languages	: C, C++, Java
Development Tools	: .NET 4.5, .NET 4.0, .NET 3.5, VB 6.0, MATLAB 7.12 (R2011a)
Database	: SQL Server 2005, SQL Server 2008, SQL Server 2014, Oracle 8.0, MS-Access
Operating Systems	: Windows 98, Windows XP, Windows 7, Windows 10, Linux etc.
Web Technology	: HTML, Crystal Report, JavaScript, VBScript
Other Skills	: Grade A in, "English Typing Speed of 30 wpm"

A W A R D S

Fellowship	: ✓ Shir. Gyanchand Hirachand Rasoni Doctoral Fellowship in the Period of 11 Dec, 2014 to 12 Dec, 2016.
	✓ Project Fellow on Major Research Project, UGC, New Delhi during 03 Mar, 2011 to 28 Feb, 2013.

- Research Conference/ Doctoral Colloquium** : ✓ **1st Prize with Best Paper Award** in “Doctoral Colloquium in Management Economics & Information Technology”, College of Management & Economics Studies, University of Petroleum & Energy Studies, Dehradun (UK-India), 18th Nov -2017.
- Research Competition** : ✓ **1st Prize** in “University Level Avishkar-2016”, North Maharashtra University, Jalgaon on 12-13 Jan, 2017.
- ✓ **2nd Prize** in “University Level Avishkar-2015”, North Maharashtra University, Jalgaon on Dec, 2015.
- ✓ **3rd Prize** in “Poster Presentation”, at Two days UGC Sponsored National Seminar on “Natural Language Processing & Image Processing”, organized School of Computer Sciences in North Maharashtra University, Jalgaon on Mar, 2015.
- ✓ **1st Prize** in “Avishkar-2008”, North Maharashtra University, Jalgaon on 2008.

EXPERIENCE

Teaching: **More than 6 Years**

Research: 7 Years including doing Ph. D. degree (**7 Years**)

Professional: 2 Years, 11 Months and 20 Days (**3 Years**)

Sr. No.	Name of the Organization	Post-held	Experience	
			From	To
1.	School of Computer Sciences, KBC North Maharashtra University, Jalgaon – 425 001.	Assistant Professor	15/07/2024	Till Date
2.	School of Computer Sciences, KBC North Maharashtra University, Jalgaon – 425 001.	Assistant Professor	20/07/2023	19/06/2024
3.	School of Computer Sciences, KBC North Maharashtra University, Jalgaon – 425 001.	Assistant Professor	05/08/2022	30/06/2023
4.	Institute of Management & Research, Jalgaon	Assistant Professor	03/01/2017	30/07/2022
5.	School of Computer Sciences, North Maharashtra University, Jalgaon – 425 001.	Gyanchand Hirachand Raison Doctoral Fellowship	11/12/2014	12/12/2016
6.	School of Computer Sciences, North Maharashtra University, Jalgaon – 425 001.	Ph.D. Scholar	06/05/2013	01/10/2017
7.	School of Computer Sciences, North Maharashtra University, Jalgaon – 425 001.	Project Fellow	03/03/2011	28/02/2013
8.	Peocit Technologies Private Limited, Pune.	Software Developer (Trainee)	29/11/2010	24/02/2011
9.	e-arth Banking Technology & Research Center, Jalgaon.	Software Support Engg.	03/11/2009	23/08/2010

Organization : **School of Computer Sciences, North Maharashtra University, Jalgaon – 425 001.**

Platform : MATLAB 7.12, VB.NET 4.0 & SQL Server 2005

Summary	: This is the Major Research Project; develop for Text-to-Speech (TTS) Synthesis System in Marathi Language. Speech Synthesis is the “synthetic” (computer) generation of speech. Text processing and speech generation are two main components of a text to speech synthesis system.
Experience	: 03 Mar 2011 to 28 Feb 2013 (1 Yr. & 11 Months)
Organization	: Peocit Technologies Private Limited, Pune.
Platform	: VB.NET 2.0 & SQL Server 2005
Summary	: This is the windows application, develop for credit society containing Loan Application Processing (Gold, Policy, Secure Loan) name as Kanaka. LAP section is for approval, rejection of loan to the customer on the basis of Member ship in process. Registration of member New Applicant, Applicant Lists, Gold Outwards for Gold Loan.
Experience	: 29 Nov 2010 to 24 Feb 2011 (3 Months)
Organization	: e-arth Banking Technology & Research Center, Jalgaon.
Platform	: VB 6.0, D2K & Oracle 8.0
Summary	: This is the Windows application, develop for co-operative banking sector. Consist sections such as Banking, General Ledger, Accounts, and HRD. HRD section is for Bank Employee specific functionality such as maintaining there Salary, Individual loans such as Home loan, Vehicle loan, Insurance Policies, etc.
Experience	: 9 Months and 20 Days

PROJECTS OF ACADAMICS

RESEARCH PROJECTS:

Title	: Development of Voice Synthesis System for Marathi, Hindi and English in Primary Education Domain
Platform	: MATLAB 7.12, VB.NET 4.5 & SQL Server 2014
Project Description	: This is a Research Project to develop for voice synthesis system (VSS) in Marathi, Hindi and English Languages. Voice Synthesis is the artificial generation of human speech. This model would be beneficial to students and teachers as well.
Duration	: 2 Years (01-Mar-2015 to till date)
Title	: Machine Translation System
Platform	: VB.NET 2.0 & SQL Server 2005
Project Description	: Domain specific Machine Translation System which translates text from Hindi to Marathi.
Duration	: 4 Months <i>during PG level</i>
Team Size	: 7

EXTENIONS ACTIVITIES & ACDEMIC ACHIEVEMENTS

ACDEMIC ACTIVITIES:

1. **Worked as a Resource Person**, Co-ordinator for Computer Competency Development Workshop, organized by Institute of Management & Research, Jalgaon on 15 Jul, 2017.
2. **Thought Practical Sessions** for “M.Sc. (CS), M.Sc. (IT) and MCA”, at School of Computer Sciences, North Maharashtra University, Jalgaon during academic year 2011-2016.
3. **Delivered Lectures** as a Contributory Teacher of M.A. Women’s Studies for the Paper WS-204: “Use of Computer/ Technology Skill” and WS-304: “Skill Development, Lab, Writing Presentation”, at Department of Language, North Maharashtra University, Jalgaon during academic year 2015-2016.
4. **Delivered Lectures** as a Contributory Teacher of M.A. Women’s Studies for the Paper WS-204: “Use of Computer/ Technology Skill” and WS-304: “Skill Development, Lab, Writing Presentation”, at Department of Language, North Maharashtra University, Jalgaon during academic year 2014-2015.
5. **Delivered Lectures** as a Contributory Teacher of M.A. Women’s Studies for the Paper WS-204: “Use of Computer/ Technology Skill” and WS-304: “Skill Development, Lab, Writing Presentation”, at Department of Language, North Maharashtra University, Jalgaon during academic year 2013-2014.
6. **Delivered Lectures** on “Computer” for MPSC/ RRB/ SSC/ BANK/ LIC Exam, at BARTI, NMU, Jalgaon since 20 Jan 2014 to 19 Mar 2014.
7. **Delivered Lectures** on “MS-Excel, MS-Word, MS-PowerPoint & Internet Handling” at Department of Finance & Account, North Maharashtra University, Jalgaon since 20th Aug 2013 to 30 Sept 2013 and Conducted Exam on 08th, 12th, 21st Oct 2013.

ADMINISTRATIVE ACTIVITIES:

1. Worked as **Moderator** in Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon on 27th Jun, 2023.
 2. Worked as **a member for Elocution Competition on the topic “Social Media Ethics”** at School of Computer Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon held on 7th Oct, 2022.
 3. Worked as **a Dy. Coordinator**, Assistance to Coordinators of Avishkar-2022 for **Phase-II: University Level on Avishkar-2022** organized by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon during 11-12 Nov, 2022.
 4. Worked as **Presiding Officer** in University Authority Election 2022, KBCNMU, Jalgaon 29th Jan, 2023.
 5. Worked as **a member** for Avishkar organized by KBCNMU, Jalgaon.
 6. Worked as **a Coordinator on NAAC-committee of Criterion-VII** for KCES’s, Institute of Management & Research, Jalgaon on Jun, 2022.
 7. Worked as **a Coordinator of IT-Festa-2021**, organized by KCES’s, Institute of Management & Research, Jalgaon.
 8. Worked as **a Coordinator on NAAC-committee of Criterion-VII** for KCES’s, Institute of Management & Research, Jalgaon on Nov-Dec, 2017.
 9. Worked as **an Expert on Selection Committee** for the Post of Assistant Professor in Sindhu College, Nagpur held on 25th Nov, 2017.
 10. Worked as **a Coordinator of Pocket Tank Game for the event of Techzon-2017**, organized by KCES’s, Institute of Management & Research, Jalgaon on Oct, 2017.
 11. Worked as **an Expert of External Practical Examination**, conducted by GH Raisonni, Institute of Business Management held on 08th-09th Nov, 2017, 10th Nov, 2017 and 13th Nov, 2017.
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12. Worked as a **Member of IT-Festa-2016**, organized by KCES's, Institute of Management & Research, Jalgaon on Jan-Feb, 2017.
13. Worked as a **Member of organizing committee** for the UGC SAP(DRS-I) scheme sponsored three days National Workshop on "*Natural Language Processing & Image Processing*" (NWNLPIP-2016), organized by School of Computer Sciences, North Maharashtra University, Jalgaon.
14. Worked as an **Administrative Staff** for BARTI UPSC exam conducted by Dr. Babasaheb Ambedkar Research Training Competitive Examination Coaching Centre, North Maharashtra University, Jalgaon.

OTHER ACTIVITIES:

1. Worked as a **Member of Board of Information Technology and Computer Science** under Marathi Vishavkosh Nirmiti Mandal, Mumbai.
2. **Participated as Blood Donor** in Blood Donation Camp, organized by Madavrao Govalkar Swamyasevi Raktpedhi, Jalgaon.
3. **Participated** in One day Workshop on Vicharmanthan Va Swasya Abhivyakti on 10th Mar, 2017.

ACADEMIC ACHIEVEMENT: IN COMPETITIONS DURING PG LEVEL

1. **1st Prize** in "Avishkar-2008", North Maharashtra University, Jalgaon.
2. **Grade A in C++**, "Aim's Programming Contest - 2007 & 2008", Chalisgaon, Dist. Jalgaon.
3. **Participated in**, "Projetion-2008", Z. B. Patil College, Dhule. (State Level)
4. **Participated in**, "ITFESTA-2008", Organized by IMR College, Jalgaon. (National Level).
5. **Participated in**, "Quiz Competition-2007", North Maharashtra University, Jalgaon.

RESEARCH CONTRIBUTIONS

Research Achievement:

1. As a **reviewer**, received a RERP coupon at British Journal of Applied Science & Technology on 2nd January, 2016.

Publication Metrics:

1.	Google Scholar	Citations 34	h-Index 4	i-10 Index 0
2.	Scopus	Citations 3	h-Index 1	Documents 3

Research Papers Published: in Journal

➤ International : (09)

1. Anita B. Dube, **G. D. Ramteke** and R. J. Ramteke, "*Designing and Segmentation of Devanagari Script Based Captcha for Security of Web Based Applications*", GRADIVA REVIEW JOURNAL, ISSN NO: 0363-8057, Vol. 9 (3), pp. 921-930, 2023

2. **G. D. Ramteke**, and R. J. Ramteke, “*A Survey of Speech Synthesis System*” at 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.
3. **G. D. Ramteke** and R. J. Ramteke, “*Efficient Model for Numerical Text-To-Speech Synthesis System in Marathi, Hindi and English Languages*”, I. J. Image, Graphics and Signal Processing, Vol.9, No.3, pp.1-13, Mar-2017. ISSN Print: 2074-9074, ISSN Online: 2074-9082, DOI: 10.5815/ijigsp.2017.03.01 [Peer-Reviewed, IF-0.7, Scopus Indexed]
4. **G. D. Ramteke** and R. J. Ramteke, “*Text-To-Speech Synthesizer Based on Phonetic and Voice Processing in Marathi and Hindi Language*” at Asian Journal of Mathematics and Computer Research, ISSN No. : 2395-4205 (Print), 2395-4213 (Online), Vol-14, Issue-3, pp. 247-266, Dec-2016. [Peer-Reviewed, IF-0.5, Scopus Indexed]
5. **G. D. Ramteke** and R. J. Ramteke, “*Text-To-Speech Synthesizer for English, Hindi and Marathi Spoken Signals*” at British Journal of Applied Science & Technology, ISSN: 2231-0843, Vol-15, Issue-3, pp. 1-16, Mar-2016. Available link: <http://sciencedomain.org/abstract/13898>
6. **G. D. Ramteke**, R. J. Ramteke, “*Text-To-Speech Synthesis of Marathi Numerals*” at International Journal of Engineering and Technical Research (IJETR), ISSN: 2321-0869, Impact Factor: 1.315, Vol-3, Issue-7, pp. 360-367, July 2015.
7. Sunil S. Nimbhore, **Ghanshyam D. Ramteke**, Rakesh J. Ramteke, “*Implementation of English-Text to Marathi-Speech (ETMS) Synthesizer*” at (IOSR-JCE) International Organization of Scientific Research Journal of Computer Engineering, Impact Factor: 1.213, Vol. 17, Issue 1, pp. 34-43, Jan-Feb 2015.
8. S. S. Nimbhore, **G. D. Ramteke** and R. J. Ramteke, “*Pitch Estimation of Devnagari Vowels using Cepstral and Autocorrelation Techniques for Original Speech Signal*” at International Journal of Computer Applications, ISSN: 0975-8887, Volume 55, Issue 17, pp. 38-43, October 2012., Impact Factor: 0.893, Digital Library URI: <http://www.ijcaonline.org/archives/volume55/number17/8849-3118>.
9. **Ramteke G. D.**, Nimbhore S. S. and Ramteke R. J., “*Denoising Speech of Marathi Numerals using Spectral Subtraction*” at International Journal of Advances in Computational Research, National Conference on Advances in Computing (NCAC-2012) on 16-17th March 2012, ISSN: 0975-3273 & E-ISSN: 0975-9085, Impact Factor : 0.576, Volume 4, Issue 1, March 2012, pp. 122-124, ICV: 4.47, Available online at <http://www.bioinfo.in/contents.php?id=33>

➤ **National : Nil**

Paper Presented: in Doctoral Colloquium

1. **G. D. Ramteke**, “*Speech Synthesizer for Marathi Language Books (Balbharati) used for Primary Education in Maharashtra State*” at 1st Doctoral Colloquium in Management Economics & Information Technology (DCMEIT2017), University of Petroleum & Energy Studies Dehradun, UK-India, 18th Nov 2017. [**Best Paper Award: 1st Rank** {Rs. 10,000/- As a Coupon of Big-Bazar}]]

Research Paper Published: in Conference

➤ **International : (03)**

1. Alsubari A., **Ramteke G.D.**, Ramteke R.J., “*Transformation of Voice Signals to Spatial Domain for Code Optimization in Digital Image Processing*”. Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2020. Communications in Computer and Information Science, vol 1381. Springer, Singapore. https://doi.org/10.1007/978-981-16-0493-5_18, Part of the Communications in Computer and Information Science book series (CCIS, volume 1381), pp 196-209, 3-4 Jan, 2020.
2. **G. D. Ramteke** and R. J. Ramteke, “*Hindi Spoken Signals for Speech Synthesizer*” at Proceeding of 2nd International Conference on "Next Generation Computing Technologies" (NGCT-2016), pp. 34, 14th-16th Oct, 2016.

3. S. S. Nimbhore, **G. D. Ramteke** and R. J. Ramteke, “Pitch Estimation of Marathi Spoken Numbers in Various Speech Signals” at IEEE International Conference on Communication and Signal Processing – ICCSP’13 on 03-05 April 2013, E-ISSN: 978-1-4673-4865-2, pp. 405-409, Melmaruvathur (Tamilnadu - India), Apr-2013. Digital Object Identifier: 10.1109/iccsp.2013.6577084.

➤ **National : (01)**

1. **G. D. Ramteke** and R. J. Ramteke, “Devnagari Spoken Vowels for Speech Synthesizer” at Proceeding of the National Conference on Emerging Trends in Computer & Information Technology, International Journal of Computer Research & Technology (IJCRT - Special Issue), Vol. 1, Issue-2, pp. 151-157, Oct-2015.

Research Poster Published: in Research Festival

✓ **State-Level (02)**

1. G. D. Ramteke, “Talking System in English, Hindi and Marathi Languages”, at Three days “State Level Avishkar-2016” organized by Swami Ramanand Teerth Marathwada University, Nanded, held on 27th – 29th January, 2017.
2. G. D. Ramteke, “Talking Calculator in English, Hindi and Marathi Languages”, at Three days “State Level Avishkar-2015” organized by Savitribai Phule Pune University, Pune, held on 10th – 12th January, 2016.

✓ **University-Level (04)**

1. G. D. Ramteke, “Talking System in English, Hindi and Marathi Languages”, at Two days “University Level Avishkar-2016” organized North Maharashtra University, Jalgaon, held on 12-13th January, 2017. [**1st Prize in “University Level Avishkar-2016”**]
2. G. D. Ramteke, “Talking Calculator in English, Hindi and Marathi Languages”, at Two days “University Level Avishkar-2015” organized North Maharashtra University, Jalgaon, held on 22nd-23rd December, 2015. [**2nd Prize in “University Level Avishkar-2015”**]
3. G. D. Ramteke, “Domain Specific Speech Synthesis of Marathi Numerals”, at Two days “University Level Avishkar-2013” organized North Maharashtra University, Jalgaon, held on 18th - 19th October, 2013.
4. G. D. Ramteke & S. S. Nimbhore, “Domain Specific Speech Synthesis for Marathi Talking Clock”, at Two days University level Research Festival “Avishkar-2012” organized North Maharashtra University, Jalgaon, held on 13th -14th December, 2012.

✓ **District-Level (03)**

1. “Short Listed for University Level Avishkar-2016”, G. D. Ramteke, “Talking System in English, Hindi and Marathi Languages”, at One day “District Level Festival Avishkar-2016 (NMU Campus Level Research Convention)” organized North Maharashtra University, Jalgaon, held on 3th January, 2017.
2. “Short Listed for University Level Avishkar-2015”, G. D. Ramteke, “Talking Calculator in English, Hindi and Marathi Languages”, at One day “District level Festival Avishkar-2015 (NMU Campus Level Research Convention)” organized North Maharashtra University, Jalgaon, held on 22nd November, 2015.
3. “Short Listed for University Level Avishkar-2013”, G. D. Ramteke, “Domain Specific Speech Synthesis of Marathi Numerals”, at One day “District Level Festival Avishkar-2013 (NMU Campus Level Research Convention)” organized North Maharashtra University, Jalgaon, held on 5th October, 2013.


✓ **Others (01)**

1. G. D. Ramteke, “Development of Domain Specific Speech Synthesizer for Marathi Numerals” at Two days UGC Sponsored National Seminar on “Natural Language Processing and Image Processing”, at School of Computer Sciences in North Maharashtra University, Jalgaon, held on 14th – 15th March, 2015. [**3rd Prize for “Poster Presentation”**]

Participated: in Workshop/ Seminar/ Conference

1. Two days Workshop on “*Cyber Security*”, organized by Institute of Management & Research, Jalgaon [M.S.-India], held on 03rd – 04th Feb, 2017.
2. Three days UGC Sponsored National Workshop on “*Natural Language Processing & Image Processing*” (NWNLPIP-2016), organized by School of Computer Sciences in North Maharashtra University, Jalgaon [M.S.-India], held on 21st – 23rd Jan, 2016.
3. Three days UGC Sponsored National Workshop on “*Advances in Computing*” (NWAC-2015) for NLP and IP, organized by School of Computer Sciences in North Maharashtra University, Jalgaon [M.S.-India], held on 1st - 3rd March, 2015.
4. Six days National Workshop on Advances in Computing (NWAC-2014), “*Natural Language Processing and Image Processing (NLP/ IP Track)*”, 10th - 12th February, 2014 for NLP and 13-15th February, 2014 for IP track at School of Computer Sciences, North Maharashtra University, Jalgaon [M.S.-India].
5. One day State Level Workshop on “*Digital Signal and Image Processing (DSIP-2013)*”, 15th October 2013 at School of Technology, SRTM (Swami Ramanand Teerth Marathwada University, Nanded) University, Sub-Centre, Latur [M.S.-India].
6. National Conference on Advances in Computing (NCAC-2013), 5th – 6th March, 2013, at School of Computer Sciences, North Maharashtra University, Jalgaon [M.S.-India].
7. Two days Workshop on “*Speech Signal Processing*”, 24th - 25th February, 2012, at Department of Electronics & Telecommunication Engineering, JSPM's College, Pune [M.S.-India].
8. National Seminar on “*Natural Language Processing and Image Processing*”, 16th - 17th January, 2012, at Department of Computer Science, North Maharashtra University, Jalgaon [M.S.-India].
9. Workshop on “*Automatic Speech Recognition*”, 13th - 15th October, 2011, at Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad [MS-India].

PERSONAL DETAILS

Name	: GHANSHYAM DIGAMBAR RAMTEKE	
Father's Name	: Digambar Nathu Ramteke	
Date of Birth	: 19 th June, 1985	
Gender	: Male	
Nationality	: Indian	
Marital Status	: Married	
Linguistic Proficiencies	: English, Hindi, Marathi (R / W / S)	
Permanent Address	: “Ramteke Nivas”, G. No. 194/4, Talati Office, Near Central Bank Colony, Pimprala, Jalgaon – 425 001 (MS-India).	

DECLARATION

I hereby declared that the above information is true to the best of my knowledge.

PLACE : **JALGAON**

DATE :

Ghanshyam Digambar Ramteke