

# CURRICULUM VITAE

## Dr. Amit P. Patil

MCA, Ph.D. (Comp. Sci.)

Assistant Professor

Mob No. +91-9545017218

patilamit03@gmail.com



## Address for correspondence

RCPET's Institute of Management Research  
and Development, Shirpur, Maharashtra, India

Pin-425405

Phone: 02563-251028

## Highlights:

- **Assistant Professor** at RCPET's Institute of Management Research and Development, Shirpur, since June 2012; previously taught at R.C. Patel ACS College, Shirpur from 2009 to 2012 under the same organization.
- **Director** of Yashwant Public School, Waghali, Taluka Chalisgaon, District Jalgaon (MS) – 424102.
- **Member** of the Board of Studies (BoS) in B.Com (Computer Application) for the term 2025–2028 at Mahatma Gandhi Vidyamandir's Maharaja Sayajirao Gaikwad Arts, Science & Commerce College, Taluka Malegaon, District Nashik (MS) 423105 .
- Awarded a **Ph.D. in Computer Science** from the School of Computer Science, KBC North Maharashtra University, Jalgaon.
- **Approved Assistant Professor** for the MCA program.
- **Recognized Ph.D. Guide** in Computer Science under KBC North Maharashtra University, Jalgaon.
- Possess over **16+ years of academic experience**.

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## Academic Qualifications

- **Ph.D. (Comp. Sci.)** April, 2023  
**Thesis Title:** Nisandigdhak: Word Sense Disambiguation Framework for Marathi.
  - **M.C.A. (Comp. Sci.)** April, 2009
  - **B.Sc. (Comp. Sci.)** April, 2006  
**Education Attained:** KBC North Maharashtra University, Jalgaon, (MS), India.
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## Work Experience

### Company Experience

- Six months' experience as a Software Developer in Avibha IT Solution, Pune.

### Teaching Experience

- Working as an Assistant Professor in RCPET's Institute of Management Research & Development, Shirpur since 16<sup>th</sup> July 2012 to till date.
- Three years of experience as an Assistant Professor in M.Sc. (Computer Science) at R. C. Patel Arts, Commerce & Science Senior College, Shirpur, from 6<sup>th</sup> August 2009 to 13<sup>th</sup> July 2012.

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### Research Funds:-

Grant sanctioned for the research project 'A Time and Memory-Efficient Method for Extracting Sequential Patterns' by North Maharashtra University, Jalgaon, under VCRMS (Vice-Chancellor Research Motivation Scheme) for Rs.22,000/- in academic year 2014–2016.

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### Research Supervision

Recognized Ph.D. guide in the Subject Computer Science from KBCNMU, Jalgaon  
Ph.D. students currently enrolled: - 04

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### Papers Published in National/International Journals

- **Dr. Amit P. Patil**, Mrs. Chhaya Patil, “The Role of Digital Transformation in Safeguarding and Promoting Bhartiya Cultural Heritage: A Comprehensive Study on the Preservation and Accessibility of Traditional Knowledge Systems”, Research Journey Multidisciplinary International E-research Journal, Special Issue- 347 January 2025, ISSN – 2348-7143, PP 91-96
- Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, Dr. Vaishali Patil, "Deep Neural Network-Based POS Tagging for Marathi: Advancing NLP in Low-Resource Languages", Research Journey Multidisciplinary International E-research Journal, Special Issue- 347 January 2025, ISSN – 2348-7143, PP 51-54

- Ms. Vaishnavi D. Patil, Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, “Modern and Digital Preservation on Science and Technology”, Research Journey Multidisciplinary International E-research Journal, Special Issue- 347 January 2025, ISSN – 2348-7143, PP 77-82
- Chhaya S. Patil, **Amit P. Patil**, Vaishali B. Patil, "Transformers: A Deep Dive into NLP Revolutionaries and Their Impact on Word Sense Disambiguation", Vol.15, Issue 85, Aug 2024, ISSN: 0976 – 0997, PP. 78924- 78930, (*UGC Care Journal*)
- **Dr. Amit Prakashrao Patil**, Dr. Manojkumar S. Sonawane, Vishal A. Pawar, Chhaya S. Patil, Vitthal M. Patil, “Curriculum Reforms on Foundational Education: A Thematic Exploration”, International Journal Of Engineering Research And Development, Volume 20, Issue 7 (July, 2024), e- ISSN: 2278-067X, p-ISSN: 2278-800X, PP. 362-364
- Vishal A. Pawar, Dr. Manojkumar S. Sonawane, **Dr. Amit P. Patil**, Chhaya S. Patil, Vitthal M. Patil, “An Overview of Information Security with Emphasis on Vulnerability Assessment Tools”, Iconic Research And Engineering Journals, Volume 7 Issue 4, OCT 2023, ISSN: 2456-8880, PP.276-280
- Dr. Manoj S. Sonawane, **Dr. Amit P. Patil**, Mr. Vishal A. Pawar, Mr. Vitthal M. Patil, Mrs. C. S. Patil, “Significance Of Least Significant Bits In Digital Image Processing”, International Journal of Creative Research Thoughts, Volume 11, Issue 9 September 2023, ISSN: 2320-2882, PP.99-103
- **Dr. Amit P. Patil**, Ms.Chhaya S. Patil, Mr.Vishal A. Pawar, “Deep Learning: Unraveling Word Meanings With Language Models”, International Journal of Novel Research and Development, Volume 8, Issue 5 May 2023, ISSN: 2456-4184, PP. 301-304
- Mr. Vitthal M. Patil, **Dr. Amit P. Patil**, Dr. Manoj S. Sonawane, “Location Based Encryption-Decryption Approach for Data Security”, International Journal Of Innovative Research In Technology, Volume 9 Issue 12, May 2023, ISSN: 2349-6002
- Mr. V.A. Pawar, Dr. Vaishali B. Patil , **Dr. Amit P. Patil** , Ms. Chhaya S. Patil, “Applications, Concerns And Challenges Of The Internet Of Things In Healthcare”, Dogo Rangsang Research Journal, Vol-13, Issue-5, No. 11, May 2023, ISSN : 2347-7180, (*UGC Care Print only Journal*)
- **Mr. Amit P. Patil** and Ms.Chhaya S. Patil, “Semantic Role Labeling: The leading task in today’s computational linguistics for the computational identification and

labeling of arguments”, International Journal of Advance Research in Science and Engineering, Volume No. 11, Issue 04, April 2022,ISSN 2319-8354, PP.1-6

- V.B. Patil, M.B. Patel, C.S. Patil, **A.P. Patil**, V.A. Patil, “The Computational Approach For Keeping Indian Dialects Alive”, Vidyabharati International Interdisciplinary Research Journal, Special Issue, ISSN 2319-4979, Oct 2021, PP. 550-558
- **Amit Patil**, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar, Dr. Hemant Darbari, “Graph-Based Algorithm for Word Sense Disambiguation: A Performance and Comparison”, Sambodhi Journal, Vol-44, No.-03 January-March (2021), ISSN: 2249-6661, (*UGC Care Print only Journal*)
- **Amit Patil**, Chhaya Patil, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar, Dr. Hemant Darbari, “Exploring Resources in Word Sense Disambiguation for Marathi Language”, International Research Journal on Advanced Science Hub, 2020, Volume 2, Issue Special Issue ICAMET 10S, e-ISSN: 2582-4376, DOI 10.47392/irjash.2020.207
- **Amit Patil**, Dr. Rakesh Ramteke , Dr. R. P. Bhavsar , Dr. Hemant Darbari, “Marathi Language Word Sense Disambiguation using Modified Lesk Algorithm”, Journal of Information and Computational Science, ISSN: 1548-7741, Volume 11 Issue 1 – 2021, PP. 281-288, (*UGC Care Journal*)
- **Amit Patil**, Chhaya Patil, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar , Dr. Hemant Darbari, “Different Approaches for Marathi Language Word Sense Disambiguation”, International Journal of Emerging Trends in Engineering and Basic Sciences (IJEEBS), ISSN (Online) 2349-6967, Volume 7, Special Issue 3 (May-June 2020), PP.001-003
- Chhaya S. Patil and **Amit P. Patil**, “Building a Healthcare Future through Trusted System”, International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Volume 9, Special Issue, March 2019, PP.46-49, (*UGC Care Journal*)
- Vishal Arun Pawar, **Amit Patil**, “Time & Memory Efficient Method For Extracting Sequential Patterns After Data Reduction From Original Data Set”, ISSN: 2455-2631, Volume 2, Issue 9, September 2017, PP. 154-158
- **Amit Patil**, Vijaya Ahire, “Use of EyeOS in Higher Education System for Rural Area Students”, International Journals International Journal of Scientific & Engineering Research (IJSER), Volume 4, Issue 4, April-2013, ISSN 2229-5518.

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## Papers Presented at International/National Conferences

- Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, Dr. Vaishali Patil, “Improving Marathi POS Tagging Accuracy by Addressing Linguistic Ambiguities and Exploring Effective Techniques”, International Conference On Emerging Trends in Engineering and Sciences (ICETES-2025), on 7-8 February 2025
- **Dr. Amit P. Patil**, Mrs. Chhaya Patil, “The Role of Digital Transformation in Safeguarding and Promoting Bhartiya Cultural Heritage: A Comprehensive Study on the Preservation and Accessibility of Traditional Knowledge Systems”, One Day State Level Conference on Multidisciplinary Research for Sustainable Solutions (MRSS-2025) on 18 January 2025
- Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, Dr. Vaishali Patil, "Deep Neural Network-Based POS Tagging for Marathi: Advancing NLP in Low-Resource Languages", One Day State Level Conference on Multidisciplinary Research for Sustainable Solutions (MRSS-2025) on 18 January 2025
- Ms. Vaishnavi D. Patil, Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, “Modern and Digital Preservation on Science and Technology”, One Day State Level Conference on Multidisciplinary Research for Sustainable Solutions (MRSS-2025) on 18 January 2025
- Mrs. Archana Manoj Jade, **Dr. Amit P. Patil**, Mrs. Chhaya Patil, “Challenges Faced by Training and Placement Officers in Rural Areas: A Comprehensive Analysis”, One Day National Conference on Recent Advances in Intelligent Computing (RAIC-2024), On 23<sup>rd</sup> March 2024, ISBN 978-93-95596-78-7, PP 16
- Mrs. Chhaya S. Patil, **Dr. Amit P. Patil**, Ms. Rajshree Dhobi, “Sentiment Analysis in the Era of Social Media : Challenges and Opportunities”, One Day National Conference on Recent Advances in Intelligent Computing (RAIC-2024), On 23<sup>rd</sup> March 2024, ISBN 978-93-95596-78-7, PP 15
- Ms. Chhaya S. Patil, **Dr. Amit P. Patil**, Dr. Vaishali Patil, “Transformers: deep-diving into NLP revolutionaries and their impact on word sense disambiguation”, Two Days International Conference On Advances in Artificial Intelligence and Machine Learning, On 23-24 February 2024, PP.169-175

- **Mr. Amit P. Patil**, Ms.Chhaya S. Patil, “Semantic Role Labeling: The leading task in today’s computational linguistics for the computational identification and labeling of arguments”, International Multidisciplinary Conference on Research, Technology & Engineering, International Multidisciplinary Conference on Research, Technology & Engineering, On 7-8 April 2022, ISBN: 978-93-91535-28-5, PP.41-46
- **Amit Patil**, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar, Dr. Hemant Darbari, “Graph-Based Algorithm for Word Sense Disambiguation: A Performance and Comparison”, Online International Conference on Recent Advances Innovations in Technology, Management Applied Sciences on 19-20 March 2021 (ICRAITMS – 2021), ISBN No: 978-93-82829-41-6, PP 50
- **Amit Patil**, Chhaya Patil, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar, Dr. Hemant Darbari, “Exploring Resources in Word Sense Disambiguation for Marathi Language”, International Conference on Advancement in Management, Engineering and Technology (IC-AMET 2020), on 10-11<sup>th</sup> October 2020, Conference Proceeding, PP. 3
- **Amit Patil**, Chhaya Patil, Dr. Rakesh Ramteke, Dr. R. P. Bhavsar, Dr. Hemant Darbari, “Different Approaches for Marathi Language Word Sense Disambiguation”, National Conference on Technology for Tribal and Rural Development (TTRD 2020), on 29-30 January 2020, Organized by Government Polytechnic, Sakoli, Maharashtra, India
- Chhaya S. Patil, **Amit P. Patil**, “Building a Healthcare Future through Trusted System”, 6<sup>th</sup> National Conference On Technology & Innovation: Disrupting Businesses, Transforming Market, On 31 March 2019, Organized by G.H. Raisonni Institute of Business Management, Jalgaon, Maharashtra, India
- Participated in National level poster presentation competition on “Use of Eye OS in Higher Education system for rural areas students” organized by North Maharashtra University, Jalgaon. On 5<sup>th</sup> March 2013.
- Research poster presented at KBC North Maharashtra University Research Festival “Aavishkar” in the various theme from year 2012-2023.

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### International Book Chapter

- Chhaya S. Patil, **Amit P. Patil**, Vaishali B. Patil, Book- AI and Emerging Technologies Automated Decision-Making, Digital Forensics, and Ethical

Considerations, *Chapter 2*. A Comprehensive Analysis of AI, Blockchain, and Big Data Analytics, eBook ISBN9781003501152, *Published by*- CRC Press, Taylor & Francis Group, DOI: 10.1201/9781003501152-1, December 2024

- Ms. Chhaya Suhas Patil and **Amit Prakashrao Patil**, *Book*- Data Science with Semantic Technologies New Trends and Future Developments, *Chapter 7*. Machine Learning in Natural Language Processing- Emerging Trends and Challenges, eBook ISBN 9781003310785, *Published by*- CRC Press, Taylor & Francis Group, DOI: 10.1201/9781003310785-7, June 2023
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## Seminars & Workshops

1. Participated in a workshop on 'iRISE ECR Capacity Building Workshop (Level 1)' organized by iRISE Pune from 23<sup>rd</sup> to 25<sup>th</sup> September 2024.
2. Participated in a workshop on 'Entrepreneurship Skill, Attitude and Behavior Development' organized by Institution's Innovation Council, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology & Murugappa Polytechnic College from 17<sup>th</sup> February 2024.
3. Participated in a three days International webinar on 'Trends in Computing' organized by Mar Dionysius College Pazhanji from 28<sup>th</sup> 30<sup>th</sup> November 2023.
4. Participated in an FDP on 'Global Business Foundation Skills' organized by Infosys BPM, Pune from 3<sup>rd</sup> to 11<sup>th</sup> August 2023.
5. Participated in a webinar on 'Big Data Analytics using Spark' organized by C-DAC Noida on 28<sup>th</sup> July 2023.
6. Attended a state-level workshop on 'Outcome-Based Education and CO-PO Attainment' organized by KCE's IMR, Jalgaon, on 20<sup>th</sup> to 21<sup>st</sup> February 2023.
7. Attended an FDP on 'Natural Language Processing' organized by IIITDM Jabalpur from 6<sup>th</sup> to 10<sup>th</sup> January 2020.
8. Attended an FDP on 'Deep Learning and Applications' organized by IIITDM Jabalpur from 27<sup>th</sup> to 31<sup>st</sup> May 2019.
9. Attended an FDP on 'AI and Machine Learning' organized from 17<sup>th</sup> to 21<sup>st</sup> December 2018.
10. Attended an FDP on 'Foundation Program in ICT for Education' organized by IIT Bombay from 13<sup>th</sup> to 18<sup>th</sup> October 2018.

11. Attended an FDP on 'Machine Learning Basics and Emerging Trends' organized by IIITDM Jabalpur from 1<sup>st</sup> to 6<sup>th</sup> September 2017.
12. Attended a national workshop on 'NLPIP-2015' organized by North Maharashtra University, Jalgaon, on 14<sup>th</sup> –15<sup>th</sup> March 2015.
13. Attended a national workshop on 'Advances in Computing' organized by North Maharashtra University, Jalgaon, from 1<sup>st</sup> to 3<sup>rd</sup> February 2015.
14. Attended a two-day workshop on 'Project Development Life Cycle' on 17<sup>th</sup> –18<sup>th</sup> January 2015.
15. Attended a two-week workshop on SAP at NMIMS Deemed University, Shirpur campus, from 8<sup>th</sup> to 20<sup>th</sup> December 2014.
16. Attended a four-day 'Train the Trainer' workshop on soft skills organized by RCPET's Institute of Management Research & Development, Shirpur.
17. Participated in an IIT Bombay workshop on 'Computer Networks' from 30<sup>th</sup> June to 5<sup>th</sup> July 2014.
18. Participated in syllabus framing for MCA organized by North Maharashtra University, Jalgaon, at B.P. Arts College, Chalisgaon, on 26<sup>th</sup> February 2014.
19. Attended a national workshop on 'Advances in Computing' (NLP Track) organized by North Maharashtra University, Jalgaon, from 10<sup>th</sup> to 12<sup>th</sup> February 2014.
20. Attended a two-day national seminar on 'Natural Language Processing & Image Processing' organized by North Maharashtra University, Jalgaon, on 16<sup>th</sup> to 17<sup>th</sup> January 2012.
21. Attended a faculty development program at KCE's Institute of Management & Research, Jalgaon, on 24<sup>th</sup> August 2011.
22. Attended a two-day national-level conference on 'Emerging Trends in Information Technology and Computer Science' organized by RCPET's Institute of Management Research & Development, Shirpur, on 20<sup>th</sup> to 21<sup>st</sup> February 2010.
23. Attended a one-day workshop on 'Information System Audit' at Agrawal Institute of Management, Chalisgaon, on 30<sup>th</sup> August 2009.

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### **Memberships:**

- Member of International Association of Engineers (IAENG)
  - Member of Computer Science Teachers Association (CSTA)
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**Field of interest:**

Artificial Intelligence, Natural Language processing, Machine Learning, Network Programming, etc.

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**Contribution (co-curricular and extracurricular activities):**

- Served as a peer reviewer for the journal Cogent Social Sciences, published by **Taylor & Francis**, in the year 2025.
- ‘**Subject Expert**’ for University Level Aavishkar 2024-25 on 5<sup>th</sup> December 2024 at Dr. S.G. Patil College, Chopda
- Worked as an organizing committee member of the One Day State Level Conference on ‘Multidisciplinary Research for Sustainable Solutions (MRSS-2025)’ organized by RCPET’s Institute of Management Research and Development, Shirpur on 23<sup>rd</sup> March 2024.
- Served as a **reviewer** at 4<sup>th</sup> International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2024) organized by Banaras Hindu University, Varanasi held from 19<sup>th</sup> -21<sup>st</sup> December 2024.
- Served as a **reviewer** at International Conference on Software, Systems and Information Technology (SITCON-2024) organized by Sri Siddhartha Institute of Technology, Tumakuru held from 18<sup>th</sup> - 19<sup>th</sup> October, 2024.
- Served as a **reviewer** at the **IEEE** International Conference on Distributed Systems, Computer Networks and Cybersecurity (ICDSCNC-2024) organized by Sri Krishna Institute of Technology, Bengaluru, India, held on 20<sup>th</sup> – 21<sup>st</sup> September 2024.
- Served as a **reviewer** at the 2<sup>nd</sup> International Conference on Networks, Multimedia and Information Technology (NMITCON-2024) organized by Nitte Meenakshi Institute of Technology, Bengaluru, India, in association with **IEEE** Bangalore Section, held on 9<sup>th</sup> – 10<sup>th</sup> August 2024.
- Worked as a **Convener** of the One Day National Conference on ‘Recent Advances in Intelligent Computing (RAIC-2024)’ organized by RCPET’s Institute of Management Research and Development, Shirpur on 23<sup>rd</sup> March 2024.
- Member of the organizing committee for the 'BI 2 BI' competition organized by RCPET’s Institute of Management Research & Development, Shirpur, on September 15<sup>th</sup> –16<sup>th</sup>, 2022.

- Team Manager in “Yuvarang 2019-20” youth festival of KBC North Maharashtra University, Jalgaon, organized by PSGVPM’s ACS College, Shahada on 16<sup>th</sup> – 20<sup>th</sup> January 2020.
- Member of the organizing committee for the university-level workshop on 'Stress-Free Examination for Students,' organized by RCPET’s Institute of Management Research & Development, Shirpur, in association with the student welfare department of North Maharashtra University, Jalgaon, on 14<sup>th</sup> September 2014.
- Member of organizing committee for “Yuvarang-2009” – youth festival of North Maharashtra University, Jalgaon organized by R. C. Patel Art’s, Commerce & Science Senior College, Shirpur in the year 2009.
- Worked as a Student Welfare officer at RCPET’s Institute of Management Research & Development, Shirpur, from academic year 2014 to 2021
- Successfully completed various responsibilities assigned by RCPET’s Institute of Management Research and Development including cultural programs, sports activities, and organizing seminars and workshops.

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### Personal Details:

<b>Full Name</b>	:	Dr. Amit Prakashrao Patil.
<b>Date of Birth</b>	:	January 1985
<b>Marital Status</b>	:	Married
<b>Nationality</b>	:	Indian
<b>Language Proficiency</b>	:	English, Hindi, and Marathi.
<b>Permanent Address</b>	:	41/A, Shriram Nagar, Behind Dena Bank (Now Bank of Baroda), Shahada Road, Shirpur, Dist.- Dhule, Maharashtra (425405).

### Declaration

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

**(Dr. Amit P. Patil)**