

**Name of Teaching Staff** : **Dr. Abhijit R. Joshi**

**Designation** : Professor

**Department** : Information Technology

**Date of Joining the Institution** : 13.4.2004

**Qualifications with Class / Grade** :

1. Ph.D. from M.P.S.T.M.E., NMIMS (Deemed to be) University, September 2012.
2. M.E. (Electronics Specialization in Computer) from Pune University with 1<sup>st</sup> Class 61.35% in July 2001.
3. B.E. (Computer Science) from Amravati University with 1<sup>st</sup> Class 72.15%, June 1995.

**Total Experience in Years** : **Teaching : 20 Years 10 Months**

1. Professor in Dept. of I.T. D. J. Sanghvi College of Engineering from 4th July 2013 till date
2. Vice-Principal(Academic), D. J. Sanghvi College of Engineering from 15.4.2010 30.9.2017.
3. Assistant Professor, D.J. Sanghvi College of Engineering from 13.4.2004 till date.
4. Lecturer, SNDT University from Jan.2000 to 12.4.2004
5. Lecturer, Bharati Vidyapeeth College of Engineering from 1.8.1997 to 31.8.1998.

**Industry: 1 Year 9 Months**

1. Senior Faculty, The Service Consultancy from 1.4.1996 to 31.3.1997.
2. Senior Faculty, Computer Society of India from 1.7.1995 to 31.3.1996.

**Papers Published in Journal**

:  
**National: 01**

1. Shah, T., Shetty, P., Gorasia, D. and Joshi, A. R. (2010). **Augmented Reality**, Published in National Journal – Technofocus, Vol., No.1, pp. 1 – 3.



**Papers  
Published in  
Journal**

**International: 11**

1. Chaudhari, D., Joshi, A. R., Prasad, R., Shah, A. and Mehta, P. (2012). **Voice Recognition System Using Neural Network**, Published in the International Journal of Information and Computation Technology, Vol. 2, No. 2, pp. 147 – 150.
2. Mandot, C., Muchhala, V., Kanbar, D., Joshi, A. R. and Dias, S. (2013). **Calculating Discount On Premium For Car Using Rashness Index Calculator**, Published in the International Journal of Scientific and Engineering Research (IJSER), Vol. 4, Issue 7, July 2013 Edition (ISSN 2229-5518).
3. Desai, R., Dave, R., Mehta, R., Benjamin, S. and Joshi, A. (2013). **Interactive Circuits Using Augmented Reality**, Published in the International Journal of Scientific and Engineering Research (IJSER), Vol. 4, Issue 7, July 2013 Edition (ISSN 2229-5518)
4. Desai, Darshana and Joshi, Abhijit (2014). **Stream Data Classifier with Ensemble Cluster**, Published in International Journal of Engineering Research & Technology (IJERT), Volume 3, Issue 1, Jan 2014.
5. Kanere, Ketan and Joshi, Abhijit (2014). **A Framework for Nested Web Services**, Published in International Journal of Engineering Research & Technology (IJERT), Volume 3, Issue 3, March 2014.
6. Ranade, Aparna and Joshi, A. R. (2014). **Techniques for Understanding User Usage Behavior on the Internet**, Published in International Journal of Computer Applications (IJCA), Volume 92, Number 7: 41– 44, April 2014, ISBN: 973-93-80881-27-5.
7. Joshi, A., Mehta, R., Bose, A. and Shah, K. (2014). **An Immersive Learning Approach to Teach Science Experiments**, Published in the International Journal of Scientific and Engineering Research (IJSER), Vol. 5, Issue 5, May 2014 Edition (ISSN 2229-5518).
8. Advani, L., Naik, S., Ray, R., Joshi, A. R. and Nagare, A. (2014). **Eye Simulation Using 3D Animation**, Published in the International Journal of Scientific and Engineering Research (IJSER), Vol. 5, Issue 5, May 2014 Edition (ISSN 2229-5518).
9. Iyer, A., Kanchwala, Q., Wagh, T. and Joshi, A. (2014). **An Interactive E-learning Approach to Wind Energy Concepts Using Low Cost Access Devices**, Published in the International Journal of Scientific and Engineering Research (IJSER), Vol. 5, Issue 6, June 2014 Edition (ISSN 2229-5518).
10. Dalvi, P., Oulkar, S., Cotecha, S., Joshi, A. R. and Dalvi, H. (2014). **Word Problem Solver for Probability**, Published in International Journal of Engineering Research and Applications (IJERA), Vol. 4, Issue 7(Version 1): 76 – 81, July 2014, ISSN: 2248-9622.
11. Dhami, R., Joshi, A. R., Sawant, V. and Mendjoge, N. (2015). **“Automatic Question Generator”**, Published in The International Journal of Science & Technoledge, Journal Volume III, Issue XI, November, 2015.

**Papers Presented in National: 10**

**Conferences**

1. Joshi, A. R., Choubey, N. S. and Choubey, P. S. (2005). **“An Object Oriented Database Approach to Pr-shipment Processing Documentation of an Export Company”**, Presented and Published in the Proceedings of the National conference on Database Management and Networks, Erode Sengunthar Engineering College, Thudupathi, Tamilnadu, India.

2. Choubey, N. S., Joshi, A. R. and Choubey, P. S. (2005). **“An Application of Genetic Algorithm to Optimal Shop Scheduler”**, Presented and Published in the Proceedings of the National Conference on Database management and Networks, Erode Sengunthar Engineering College, Thudupathi, Tamilnadu, India.
3. Joshi, A. R. and Sasikumar, M. (2007). **“Intelligent Learning Environment for Learning Indian Languages”**, Presented and Published in the Proceedings of the National Conference on New Horizons in Technology and Applications, Mumbai, Maharashtra, India, pp. 26-35.
4. Sasikumar, M. and Joshi, A. R. (2007). **“Intelligent Instructional Systems for Language Learning”**, Presented and Published in the Proceedings of the Instructional Conference on Research Trends in Information Technology, Kolhapur, Maharashtra, India, pp. 68-76.
5. Joshi, A. R. and Sasikumar, M. (2008). **“Constructivist Approach to Teach Inflections in Marathi Language”**, Presented and Published in the Proceedings of the National Conference on Advances in Technology and Recent Developments, Mumbai, Maharashtra, India, pp. 10-16.
6. Busa, N., Buch, R., Siddiqui, S. and Joshi, A. R. (2008). **“Intelligent Tutoring System for Indian Languages”**, Presented and Published in the Proceedings of the National Conference on Engineering Trends in Computer Technology, Sarvajanik College of Engineering & Technology, Surat, Gujarat, India.
7. Doshi, P. Bhatt, R. Bhatia, A. and Joshi, A. R. (2008). **“Innovative Scheduling Algorithms to Improve Performance in Grid Computing”**, Presented and Published in the Proceedings of the National Conference on Emerging Trends in Computer Technology, Sarvajanik College of Engineering & Technology, Surat, Gujarat, India.
8. Pandya, J., Mehta, P., Mahadeshwar, M. and Joshi, A. R. (2008). **“Evaluation of Grid using Globus Tool Kit”**, Presented and Published in the Proceedings of the National Conference on Emerging Trends in Computer Technology, Sarvajanik College of Engineering & Technology, Surat, Gujarat, India.
9. Kadakia, S., Salyankar, S., Shah, S. and Joshi, A. R. (2009). **“Simulation of Real Estate Price Environment”**, Presented and Published in the Proceedings of the National Conference on Emerging Trends in Computer, Communication and Information Technology, K. J. Somaiya College of Engineering, Mumbai, Maharashtra, India.
10. Raut, P., Joshi, A. R., Desai, R. and Dewan, D. (2013). **“Stock Market Analysis Using Fuzzy Logic”**, Published in the Proceedings of National Conference on Computing and Information Technology, Mumbai, Maharashtra, India.

#### **International: 35**

1. Joshi, A. R. and Sasikumar, M. (2009). **“A Constructivist Approach to Teaching Sentences in Indian Languages”**, Presented and Published in ACM Digital Library and the Proceedings of the International Conference on Advances in Computing, Communication and Control, Fr. CRCE, Bandra, Mumbai, Maharashtra, India, pp. 14-19.
2. Joshi, A. R. and Sasikumar, M. (2009). **“A Constructivist Approach to Teaching**

- Sentences in Indian Language**”, Presented and Published in IEEE Xplore and the Proceedings of the International Conference on Technology for Education, Bangalore, Karnataka, India, pp. 79-84.
3. Chaudhari, D., Joshi, A. R., Gera, N., Sharma, A. and Bagadia, S (2012). **“Short Term Natural Gas Demand Forecasting using Neural Networks”**, Presented and Published in the Proceedings of the International Conference on New Vistas in Entrepreneurial Endeavors, Neville Wadia Institute of Management Studies & Research, Pune, Maharashtra, India.
  4. Thakkar, V., Shah, A., Thakkar, M., Joshi, A. R. and Mendjoge, N. (2012). **“Learning Maths using Gesture”**, Published in IEEE Xplore and Proceedings of the International Conference on Education & E-learning Innovations (ICEELI), Sousse, Tunisia.
  5. Joshi, Abhijit and Sasikumar M. (2012). **“A Scaffolding Model – An Assessment for Learning of Indian Language”**, Published in IEEE Xplore and Proceedings of the International Conference on Education & E-learning Innovations (ICEELI), Sousse, Tunisia.
  6. Joshi, A. R., Raut, P. P., Desai, V., Doshi, H. and Shah, K. (2013). **“Cricket Team Selection Using Artificial Intelligence”**, Published in the Proceedings of International Conference on Advances in Communication and Computing Technologies (ICACACT), PVPPCOE, Mumbai, Maharashtra, India, pp. 27.
  7. Ranade, Aparna and Joshi, A. R. (2014). **“Generation of Web Pages from Document Image”**, Published in the Proceedings of International Conference and Workshop on Advanced Computing 2014, Thakur College of Engineering, Mumbai, Maharashtra, India and in International Journal of Applied Information Systems (IJAIS), ICWAC 2014 (2): 17 – 20, June 2014, ISBN: 978-93-65823-75-0h.
  8. Mehta, N., Jagani, P., Parekh, J., Joshi, A. and Katre, N. (2014). **“Big Bang Chess”**, Published in the Proceedings of International Conference and Workshop on Advanced Computing 2014, Thakur College of Engineering, Mumbai, Maharashtra, India.
  9. Kanere, Ketan and Joshi, Abhijit (2014). **“Architecture of Real Time Messaging Server using Duplex Web Services”**, Published in IEEE Xplore and Proceedings of International Conference on Advances in Communication and Computing in Association with International Journal on Computer Applications, PVPPCOE, Mumbai, Maharashtra, India, August 2014.
  10. Desai, Darshana and Joshi, Abhijit (2015). **“A Deviant Load Shedding System for Data Stream Mining”**. Presented in the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26th - 27th March, 2015 and published in Elsevier, Procedia Computer Science, Volume 45.
  11. Halbe, Aparna and Joshi, Abhijit (2015). **“A Novel Approach to HTML Page Creation Using Neural Network”**. Presented in the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26th - 27th March, 2015 and published in Elsevier, Procedia Computer Science, Volume 45.
  12. Kale, Ashwini and Joshi, Abhijit (2015). **“A Predictive Business Ranking System: For Local Businesses”**. Presented in the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26th - 27th March, 2015 and published in Elsevier, Procedia Computer Science, Volume 45.
  13. Waghela, A., Doshi, N., Vora, R., Parikh, J., Joshi, A. and Dalvi, H. (2015). **“CompareKart”**. Presented in the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26th - 27th March, 2015 and published in Elsevier, Procedia Computer Science, Volume 45.
  14. Gosalia, N., Jain, P., Shah, I., Joshi, A., Sahasrabudhe, S. and Katre, N. (2015). **“3D Gesture-Recognition Based Animation Game”**. Presented in the International Conference on Advanced Computing Technologies and Applications (ICACTA), 26th -

- 27th March, 2015 and published in Elsevier, Procedia Computer Science, Volume 45.
15. Desai, D., Joshi, A. Shah, C. and Shah, K. (2016). “**Analysis and Detection of Eventful Messages in Instant Messengers**”, Presented and Published Proceedings of IndiaCom-2016, 16-18 March 2016, Bharati Vidyapeeth, New Delhi, India.
  16. Mendjoge, N., Joshi, A. and Narvekar, M. (2016). “**Review of Knowledge representation techniques for Intelligent Tutoring Systems**”, Presented and Published in IEEE Xplore and Proceedings of IndiaCom-2016, 16-18 March 2016, Bharati Vidyapeeth, New Delhi, India.
  17. Kurup, L., Joshi, A. and Shekokar, N. (2016). “**A Review On Student Modeling Approaches In ITS**”, Presented and Published in IEEE Xplore and Proceedings of IndiaCom-2016, 16-18 March 2016, Bharati Vidyapeeth, New Delhi, India.
  18. Mendjoge, N., Joshi, A. and Narvekar, M. (2016). “**Intelligent Tutoring System for Database Normalization**”, Presented and Published in the Proceedings of ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and IEEE Xplore.
  19. Neogi, O., Patil, S., Prabhu, C., Joshi, A. and Mendjoge, N. (2016). “**E-learning System using Augmented Reality**”, Presented and Published in the Proceeding of ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and IEEE Xplore.
  20. Kurup, L., Joshi, A. and Shekokar, N. (2016). “**Intelligent Tutoring System for English Punctuation**”, Presented and Published in the Proceeding of ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and IEEE Xplore.
  21. Dalvi, H., Joshi, A. and Shekokar, N. (2016). “**Fog Computing – A Next step to Real Time Big-Data Analytics**”, Presented and Published in the Proceeding of the Conference on Fog Computing – A Next step to Real Time Big-Data Analytics, 12th August 2016.
  22. Dalvi, H., Joshi, A. and Shekokar, N. (2016). “**Trustworthiness Evaluation System in E-Commerce Context**”, Presented and Published in the Proceeding of ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and IEEE Xplore.
  23. Sanghvi, S., Shah, H., Haria, S., Joshi, A. and Dalvi, H. (2016). “**Developing Hedging Strategies**”, Presented and Published in the Proceeding of ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and IEEE Xplore.
  24. D'britto, M. and Joshi, A. (2017). “**Analysis of Image Retrieval Techniques**”, Presented in the International Conference on Computer Communication and Informatics, 5-7 Jan 2017, Shri Shakti Institute of Engineering and Technology Coimbatore, India and Published in IEEE Xplore.
  25. Naik, K. and Joshi, A. (2017). “**Role of Big Data in Various Sectors**”, Presented in the International Conference on I-SMAC (IOT in Social, Mobile, Analytical and Cloud), 10-11 February 2017, SCAD Institute and Technology, Coimbatore, India and Published in IEEE Xplore.
  26. Lemos, J. and Joshi, A. (2017). “**Search Engine Optimization to Enhance User Interaction**”, Presented in the International Conference on I-SMAC (IOT in Social, Mobile, Analytical and Cloud), 10-11 February 2017, SCAD Institute and Technology, Coimbatore, India and Published in IEEE Xplore.
  27. Salvi, V., Vasanwalla, A., Aute, N. and Joshi A. (2017). “**Virtual Simulation of Technical Interviews**”, Presented and Published in the Proceeding of ICCUBEA 2017, 17-18 August 2017, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and to be published in IEEE Xplore.

28. Mehta, S., Jain, P., Vora, A., Joshi, A. and Dalvi, H. (2017). **“Augmented Reality Books: An Immersive Approach to Learning”**, Presented and Published in the Proceeding of ICCUBEA 2017, 17-18 August 2017, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and to be published in IEEE Xplore.
29. Singh, P., Doshi, V., Pathak, P., Joshi, A. and Dalvi, H. (2017). **“3D Modelling of Customized Jewelry”**, Presented and Published in the Proceeding of ICCUBEA 2017, 17-18 August 2017, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and to be published in IEEE Xplore.
30. Naik, K., Joshi, A., Khanna, P. and Shekokar, N. (2017). **“A model to Analyse Social Media Data to Gain a Competitive Edge”**, Presented and Published in the Proceeding of ICCUBEA 2017, 17-18 August 2017, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and to be published in IEEE Xplore. (Received the Best Paper Award)
31. Lemos, J., Joshi, A., Khanna, P. and Shekokar, N. (2017). **“Application for Selecting Dynamic Optimum Path Parameters in Routing Network using School Bus Routing Problem”**, Presented and Published in the Proceeding of ICCUBEA 2017, 17-18 August 2017, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad and to be published in IEEE Xplore.
32. Lemos, J. Y., Joshi, A. R, D' Souza, M. M. and D' Souza, A. D. (2018). **“Design a Smart and Intelligent Routing Network using Optimization Techniques”**, Presented in 2nd International Conference on Data Management, Analytics and Innovation, 19-21 January 2018, Audyogik's Tantra Shikshan Sanstha's, Institute of Industrial and Computer Management and Research, Pune and to be published in Springer AISC Series.
33. Lemos, J., Shroff, M., Joshi, A., D'Souza, M. (2018). **“Analyzing the Performance of ACO, HBO and Greedy Randomized Approach in Routing Network”**. Presented and to be Published in IEEE Xplore and Proceedings of IndiaCom-2018, 14-16 March 2018, Bharati Vidyapeeth, New Delhi, India.
34. Taldeokar, A., Shroff, M., Joshi, A. (2018). **“Stock Market Price Movement Prediction using Hybrid Neural Network”**, Presented and to be Published in IEEE Xplore and Proceedings of IndiaCom-2018, 14-16 March 2018, Bharati Vidyapeeth, New Delhi, India.
35. D'britto, M., Joshi, A. and Shekokar, N. (2018). **“Interface for physically disabled”**, Presented in International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering-ICRIEECE, 27th & 28th July 2018 Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India and to be Published in IEEE Xplore.

: PhDs : --  
 Projects at  
 Masters level: 11

- Books Published / IPRs / Patents** : 1. Joshi, A.R. (2007). Computer Simulation and Modeling, 1<sup>st</sup> Edition, Vipul Prakashan.  
2. Joshi, A. R. (2009). Computer Simulation and Modeling, 2<sup>nd</sup> Edition, Vipul Prakashan.  
3. Joshi, A. R. (2011). Computer Simulation and Modeling, 3<sup>rd</sup> Edition, Vipul Prakashan.  
4. Joshi, A. R. (2012). Computer Simulation and Modeling, 4<sup>th</sup> Edition, Vipul Prakashan.  
5. Joshi, A. R. (2014). System Simulation and Modeling, 1<sup>st</sup> Edition, Vipul Prakashan.  
6. Joshi, A. R. (2015). System Simulation and Modeling, 2<sup>nd</sup> Edition, Vipul Prakashan.  
7. Joshi, A. R. (2016). Computer Simulation and Modeling, Revised 1st Edition, Vipul Prakashan.
- Professional Memberships** : 1. Life Member of SAE  
2. Life Member of ISTE, New Delhi.  
3. Life Member of ISME  
4. Nominee Member of CSI till 20th June 2014.
- Consultancy Activities** : --
- Awards** : Best Teacher of I.T. Department in 2008
- Grants fetched** : --
- Interaction with Professional Institutions** : 1. Member of Alumni Associations of College of Engg. Pune.  
2. Interacted with the board of studies member of IT and Computer under the faculty of technology, NMIMS University and also design the syllabus of many subjects of B. Tech./MBA. Tech. IT and Computer, 2007 – till date.  
3. Attended syllabus meeting, held in Vivekanand Education **Societies’ Institute of Technology** on 04-03-2009.  
4. Attended the meeting for farming the content of revised syllabus for semester 7 and 8 information technology of 11-12-2009 at Vidyalankar Institute of Technology.  
5. **Conducted an expert session on “Simulation and Modeling using GPSS” on 6-10-2010** at Bharti Vidyapeeth College of Engineering.  
6. Enlightening the inauguration session of 1 day orientation **program on “Data Warehousing and Mining and BI” on 23-7-2010** at K J Somaiya.

7. Interacted with the board of studies member of IT under the faculty of technology, University of Mumbai and design the syllabus of many subjects of third year and fourth year of IT as per the direction of chairman BOS, IT, University of Mumbai, 2010 - 11.

8. Chief Guest for orientation program on “GAP, ISMDR, Mobile and E-Commerce” on 22-1-2012 at K J Somaiya.

**R &D and consultancy projects and the amount**

- : 1. Worked on Short Term Gas Demand Forecasting under our own Innovation Center
2. Worked on Cricket Team Selection using AI under our own Innovation Center