

**Name of Teaching Staff** : **Mrs. Neha A. Katre**  
**Designation** : Assistant Professor  
**Department** : Department of Information Technology  
**Date of Joining the Institution** : 17.7.2009



**Google Scholar Link** : <https://scholar.google.com/citations?user=KPDVpiwAAAAJ&hl=en>

**Researchgate Link:** <https://www.researchgate.net/profile/Neha-Katre>

**ORCID** : <https://orcid.org/0000-0001-8320-7071>

**Publons Researcher ID** : <https://publons.com/researcher/4942621/neha-katre/publications/>

**Qualifications with Class / Grade** :  
1. Pursuing PhD in Computer Engineering from from University of Mumbai  
2. M.E.(Computer Engg.), University of Mumbai, CGPA 9.01, August 2016  
3. B.E. (Computer Engg.), University of Mumbai, 1st Class, 61.94%, June, 2008.

**Total Experience in Years** : Teaching : 12 years  
1. Assistant Professor, D.J. Sanghvi College of Engineering from 17.7.2009 till date.  
2. Programmer Trainee, Mastek Ltd from 4.11.2008 to 4.2.2009.  
3. Teacher, NIIT from 23.6.2008 to 17.10.2008.

Industry: 3 months

Trainee, Mastek Ltd. From 3.11.2008 to 4.2.2009.

Research: --

**Papers Presented in Journals** :National: 01  
1. Tanay Shah, Pranay Shety, Bharin Gorasia, Abhijit Joshi, Neha Mendjoge, “**Augmented Reality**”, published In Technofocus Edition 1, Vol: 1 in Oct 2010.

:International: 15  
1. Saurabh Merai, Neha Mendjoge, Kriti Srivastava, Vinaya Sawant, “**Teradata: Future of Databases**”, published in The International Journal Of Science & Technoledge (ISSN 2321 – 919X) Vol 2 Issue 11 October, 2014  
2. Pooja Shah, Neha Katre, Stevina Dias, “**GPS Aided Photo Search system (iGAP)**”, Published in International Journal of Advanced Research in Computer Science and Software Engineering Volume 4, Issue 12, December 2014 ISSN: 2277 128X

3. Milit Betai, Neha Katre, “**Multilevel Encryption using Ribbon Based Technique for Symmetric Key Cryptography**”, Published in International Journal of Advanced Research in Computer and Communication Engineering (impact factor 4.582) Volume 4, Issue 9, September 2015. (DOI 10.17148/IJARCCE.2015.4953)
4. Nishant Panchal, Arpit Patel, Smit Vasani, Neha Katre, “**Comparison of CSS and JavaScript Animation**”, published in International Journal of Innovative Research in Computer and Communication Engineering (impact factor 5.618) Volume 3, Issue 9, September 2015 (DOI 10.15680/IJRCCE.2015.0309085).
5. Yash Khandelwal, Jay Shah, Shaunak Shah, Neha Katre, “**Hybrid Authentication Technique**”, Published in International Journal of Advanced Research in Computer and Communication Engineering (impact factor 4.582) Volume 4, Issue 9, September 2015. ISSN (Online) 2278-1021 ISSN (Print) 2319-5940
6. Neha Katre, Kriti Srivastava, Siddhesh Owalekar, Soham patel, Advait Marathe , “**Introduction to Online advertisement and its Business Process**”, published in International Journal of Business and general Management (IJBGM) ISSN (Print): 2319-2267;ISSN (Online): 2319-2275 ; Vol-4, Issue-6, Oct - Nov -2015; Impact Factor(JCC) - 2015: 3.9876; Index Copernicus Value (ICV) - 2015: 3.0; NAAS Rating: 2.97”.
7. Ravina Dhani, Dr. Abhijit R. Joshi, Vinaya Sawant & Neha Mendjoge published a paper titled “**Automatic Question Generator**” in The International Journal of Science & Technoledge, Journal Volume III, Issue XI, November, 2015 with Impact Factor: 1.002 (IIFS).
8. Rushabh Shah, Prof. Neha Mendjoge Katre, Prof. Kriti Srivastava, “**Teradata: The global leader in Data Analytics**”, International Journal of Scientific & Engineering Research, Volume 6, Issue 10, October-2015 644 ISSN 2229-5518.
9. Maithili Shah, Parth Mehta, Neha Katre, “**A Review of New Technologies: AR, VR, MR**”, International Journal of Computer Applications, Volume 171 – No. 7, August 2017
10. Hitisha damani, Rajavi Mehta, Neha Katre, “**Convergence of Internet of things, Cloud Computing, Big Data and Security**”, International journal of Computer Applications, Volume 181, Number 4, July 2018.
11. Varad Deshpande, Tanya Gupta, Devansh Gosalia, Neha Katre, published a paper “**Review Paper on Stitching of Torn Documents**”, in International Journal of Engineering Development and Research (IJERD), Volume 6, Issue 8, ISSN: 2321-9939, December 2018. Impact Factor 5.67 (Calculate by Google Scholar).
12. Srushti Pathak, Aziz Presswala, Gunjan Jhanwar, Neha Katre published a paper titled “**Proposed Solution for Alzheimer’s Patients using Artificial Intelligence based Face Recognition**”, in International Journal of Management, Technology and Engineering, ISSN No: 2249-7455, Volume X, Issue III, March 2020.
13. Atharva Pandit, Kunal Goel, Manav Jain, Neha Katre published a

paper titled “**A Review on Clothes Matching and Recommendation Systems based on user Attributes**” in International Journal of Engineering Research and Technology, Volume 9, Issue 8, August - 2020.

14. Himanshu Ashar, Devansh Mehta, Riddhi Shah, Neha Katre published a paper titled “**Application of Neural Networks in Question Generation**”, in International Journal of Advanced Science and Technology, Vol. 29, No. 3, (2020), pp. 14265 – 14274, September 2020.
15. Dhaval Shah, Vishal Waghela, Rishi Sheth, Neha Katre, Prachi Tawde published a paper titled “**A Review on Automated Cricket Trainer**”, in International Journal for Research in Applied Science & Engineering Technology, Volume 9, Issue IV, April 2021.

## Papers Presented in Conferences

: National: 00

:International: 17

1. Varun Thakkar, Adeet Shah, Mohini Thakkar, Abhijit Joshi, Neha Mendjoge, “**Learning Math using Gesture**”, published in ICEELI 2012 Conference.
2. Mehta, N., Jagani, P., Parekh, J., Joshi, A. and Katre, N., “**Big Bang Chess**”, published in IJCA and the Proceedings of International Conference and Workshop on Advanced Computing 2014, Thakur College of Engineering, Mumbai, Maharashtra, India.
3. Niyati Gosalia, Priya Jain, Ishita Shah, Dr. Abhijit Joshi, Neha Katre and Sameer Sahasrabudhe, “**3D Gesture-Recognition Based Animation Game**”, Published in ICACTA 2015Conference
4. Neha Mendjoge, Dr. Abhijit Joshi, Meera Narvekar, “**Review of Knowledge representation techniques for Intelligent Tutoring Systems**”, Published in Proceedings of IndiaCom-2016, 16-18 March 2016, Bharati Vidyapeeth, New Delhi, India.
5. Neha Mendjoge, Dr. Abhijit Joshi, Meera Narvekar, “**Intelligent Tutoring System for database Normalization**”, presented at ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad.
6. Dr. A. R. Joshi, Neha Katre, Omkar Neogi, Siddhant Patil, Chiquitha Prabhu, “**E-learning System using Augmented Reality**”, presented at ICCUBEA 2016, 12-13 August 2016, Pimpri-Chinchwad College of Engineering, Pimpri-Chinchwad.
7. Arjun Jaiswal, Harshal Dalvi. Neha Katre, 'Querying the database with X-Query to optimize the application performance' at International IEEE Conference INDIA-Com 2017 organized by Bharti Vidyapeeth - New Delhi.
8. Shaurya Jaiswal, Tushar Dey, Shweta, Neha Katre, “**HealthSense: A Medical Use Case of Internet of Things and Blockchain**”, International Conference on Intelligent Sustainable Systems (ICISS 2017), SCAD Institute of Technology, 7-8

- December 2017, Palladam, Tamil Nadu, India.
9. Misal, V., Raichura, N., Shah, D., Katre, N., **“A comprehensive review of Intelligent Tutoring System Architecture and its shortcomings”**, Presented and to be Published in IEEE Xplore and Proceedings of IndiaCom-2018, 14-16 March 2018, Bharati Vidyapeeth, New Delhi, India.
  10. Tejas Ved, Jay Chauhan and Prof. Neha Katre published a paper on **“Syt-Aj: Treating Lazy Eye using Virtual Reality”**, in Springer book Series, “Algorithms for Intelligent Computing”, in 2nd International Conference on Advanced Computing Technologies and Applications (ICACTA-2020) organized by IT and Computer Departments on 28th-29th February 2020.
  11. Jeet Bhatelia, Sagar Pandita, Abhishek Ajmera and Neha Katre presented a paper titled **“Supply Chain of Relief Materials using Blockchain”** in the first International Conference on Automation, Computing and Communication (ICACC-2020) which was conducted virtually on June 27-28, 2020. This conference was organized by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, India.
  12. Srushti Pathak, Aziz Presswala, Gunjan Gosar, Neha Katre published a paper titled **“Neuromemorize: A mobile Application for Alzheimer’s Patient using AI based Face Recognition”**, in Springer Book Series, “Algorithms for Intelligent Computing”, in International Conference on Data Intelligence and Cognitive Informatics (ICDICI-2020) on 8-9 July 2020. The conference was organised by SCAD College of Engineering and Technology, Tirunelveli, India.
  13. Pushkar Bhuse, Aayushi Gandhi, Parth Meswani, Riya Muni, Neha Katre, **“Machine Learning Based Telecom-Customer Churn Prediction”**, 3rd International Conference on Intelligent Sustainable Systems (ICISS), 3-5 December 2020.
  14. Bhavesh Singh, Rahil Desai, Himanshu Ashar, Parth Tank, Neha Katre, **“A Trade-off between ML and DL Techniques in Natural Language Processing”**, International Conference on Robotics and Artificial Intelligence (RoAI) 2020 28-29 December 2020, Chennai, India, Journal of Physics: Conference Series, Volume 1831.
  15. Kashvi Dedhia, Mallika Konkar, Saloni Dagli, Neha Katre presented a paper titled **“A Proposed Approach to Indoor Navigation and Store Recommendation”**, at the first International Conference on Smart Technologies, Communications and Robotics 2021 (IEEE-STCR 2021) organised by Department of ECE, EIE & EEE during 9-10 October 2021.
  16. Nishant Dave, Jainam Dhami, Vivel Vinze, Neha Katre and Stevina Correia presented a paper titled **“Study of Group Equivariant Convolutional Networks for Image Classification”** at IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 2021) organized by Father Agnel College, Bandra during 3-4 December. 2021.
  17. Shivam Kejriwal, Devika Patadia, Richa Shah, Neha Katre

presented a paper titled “**Review of VQA: Datasets and Approaches**”, at IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 2021) organized by Father Agnel College, Bandra during 3-4 December. 2021.

**PhD Guide ? Give field & University**

: Field:

University:

**PhDs / Projects Guided**

: PhDs:

Projects at Masters level:

**Books Published / IPRs /**

: “A method and System for Implementing XML and XQUERY to perform Read and Write Operations in Minimum Number of Calls” is granted the Innovation patent by the Australian Government on 8th December 2021.

**Patents**

**Professional Memberships**

: Life Member of ISTE

**Consultancy Activities**

**Awards**

:

:Received best paper award for paper titled “Intelligent Tutoring System for Database Normalization” in August 2016 at 2nd International IEEE conference on Computing, Communication, Control and Automation (ICCUBEA-2016) organized by Pimpri Chinchwad College of Engineering'.

**Grants fetched**

**Interaction with**

**Professional Institutions**

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**R &D and consultancy**

**projects and the amount**

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