

Faculty Profile Department of Information Technology 2018-19



- i. Name: Dr Anagha Kulkarni
- ii. Date of Birth: 26-Jan-1969
- iii. Unique Id: 1-434670527
- iv. Educational Qualifications: Ph D
- v. Experience:
 - Teaching: 14 years
 - Research: 5 years
 - Industry: 10 years
- vi. Area of Specialization:
 - a. Machine Learning
 - b. Data Mining
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Machine Learning
 - b. Social Media Analytics
 - c. Advance Databases
 - d. Design and Analysis of Algorithms
 - e. Distributed Systems
 - f. Operating Systems
 - g. Computer Organization
 - h. Embedded Systems
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 2
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: Text Translation, Sentiment Detection, User level file system using FUSE
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:

- a. Natu, Ira, Sahasra Iyer, Anagha Kulkarni, Kajol Patil, and Pooja Patil. "Text Translation from Hindi to English," International Conference on Advances in Computing and Data Sciences, Springer, Singapore, 2018.
- b. Arora, Sandhya, Sunita Jahirabdkar, and Anagha Kulkarni. "GPU Approach for Handwritten Devanagari Document Binarization." *Smart Innovations in Communication and Computational Sciences*. Springer, Singapore, 2019. 299-308
- c. Kulkarni, Anagha R., Vrinda Tokekar, and Parag Kulkarni. "Characterizing evolving behavior of context vectors for context based clustering." *Evolving Systems* 8.4 (2017): 261-269.
- d. Hajare, Priyanka, Priyanka Khandave, Shital Adhav, Swati Pimpale, and Anagha Kulkarni. "Implementation of Online Placement System." (2016).
- e. Kulkarni, Anagha, Vrinda Tokekar, and Parag Kulkarni. "Discovering context using contextual positional regions based on chains of frequent terms in text documents." In *Intelligent Systems Technologies and Applications*, pp. 321-332. Springer, Cham, 2016.
- f. Kulkarni, Anagha, Vrinda Tokekar, and Parag Kulkarni. "Term weighting using contextual information for categorization of unstructured text documents." In *India Conference (INDICON), 2015 Annual IEEE*, pp. 1-4. IEEE, 2015.
- g. Kulkarni, Anagha, Vrinda Tokekar, and Parag Kulkarni. "Discovering context of labeled text documents using context similarity coefficient." *Procedia computer science* 49 (2015): 118-127.
- h. Kulkarni, Anagha R., Vrinda Tokekar, and Parag Kulkarni. "Text classification by enhancing weights of terms based on their positional appearances." *International Journal of Computer Applications* 78, no. 9 (2013).
- i. Kulkarni, Anagha R., Vrinda Tokekar, and Parag Kulkarni. "Identifying context of text documents using Naïve Bayes classification and Apriori association rule mining." In *Software Engineering (CONSEG), 2012 CSI Sixth International Conference on*, pp. 1-4. IEEE, 2012.
- j. Bhagwat, Radhika, and Anagha Kulkarni. "An overview of registration based and registration free methods for cancelable fingerprint template." *International Journal of Computer Science and Security* 4, no. 1 (2010): 23-30.
- k. Kulkarni, Anagha, and Radhika Bhagwat. "Cache Coherency in Distributed File System." *International Journal of Computer Science and Security (IJCSS)* 4, no. 1: 1.

1. Kulkarni, Anagha, and Vandana Inamdar. "CifrarFS–Encrypted File System Using FUSE." *International Journal of Computer Science and Security* 3, no. 4 (2010): 295.

xiii. No. of books published with details: 1 book chapter

- a. "Long Live the New King of Big Data – The Context," in *Big Data Analytics*, 1st edition, Prentice Hall of India, 2016, Ch. 4, pp. 50-66.



- i. Name: Dr. Dipti Durgesh Patil
- ii. Date of Birth: 20/08/1981
- iii. Unique Id: 1-2482635130
- iv. Educational Qualifications: PhD
- v. Experience:
 - Teaching: 16 years
 - Research: 8 years
 - Industry:
- vi. Area of Specialization:
 - a. Machine Learning
 - b. Internet of Things
 - c. Distributed Systems
 - d. Business Analytics
- vii. Courses taught at Under Graduate/ Post Graduate Level:
 - a. Internet of Things (UG)
 - b. Distributed Systems (UG and PG)
 - c. Business Intelligence (UG)
 - d. Theory of Computations (UG)
 - e. Applied Algorithms (PG)
 - f. Research Methodology (PG)
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 21
 - b. Master: - 5
 - c. Ph.D.: - 2
- ix. Projects Carried out:
 - a. Real time patient health monitoring system
 - b. Case based E-learning
 - c. Speech recognition on smartphones
 - d. Real time apnea detection
 - e. Real time Arrhythmia detection/prediction
 - f. Real time depression analysis using various signal processing techniques
 - g. Emotion recognition and effects of Indian music/ Ragas for stress release
 - h. Cancer detection from Gene expression data
 - i. Vector quantization of digital images

- j. Distributed data mining approach to fraud detection

- x. Patents: - 6 Indian Patents Filed
 - a. “Piezoelectric Sensors Integrated Hand Gesture Recognition Device”, on 3rd April 2018, application number: 201821012736 A
 - b. “System for real time cervix analysis and monitoring of pregnant woman”, on 06th August 2016. Application No. 201621026892
 - c. “Real time depression detection and analysis using multi-parametric fusion approach”, Application No. 4093/MUM/2015, dated 29th October 2015
 - d. “Method for music based computing of human emotions and evaluating the Raga of Indian classical music for stress release and emotion control”, Application No. 4212/MUM/2014, dated 30th December 2014
 - e. “Method and apparatus for Wireless sensor Network based intelligent framework for Mobile Real time Health care System”, on 18th April 2011. Application No. 1259/MUM/2011
 - f. “Method and Apparatus for Outlier Detection for High Dimensional Categorical Data Sets”, on 18th April 2011. Application No. 1260/MUM/2011
- xi. Technology Transfer: -
- xii. Research Publications:
 1. Patil D.D., Wadhai V.M. (2019) Real-Time Meta Learning Approach for Mobile Healthcare. In: Tiwari S., Trivedi M., Mishra K., Misra A., Kumar K. (eds) Smart Innovations in Communication and Computational Sciences. Advances in Intelligent Systems and Computing, vol 851. Springer, Singapore ISBN: 978-981-13-2413-0 doi: https://doi.org/10.1007/978-981-13-2414-7_2
 2. Shweta A. Tiwaskar, Dipti D. Patil, “Development of framework for moving object detection and tracking in video sequences”, in International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS), ISSN 2278-2540, Volume VI, Issue VII, July 2017
 3. Shamla Mantri, Pankaj Agrawal, Dipti Patil, Vijay Wadhai, S. Bobde, “An Advanced design for depression analysis through EEG signal”, in International Journal of Scientific engineering and research (ISSN 2347-3878), Volume 5, Issue 1, January 2017, pp. 93-96
 4. Gulbakshee Dharmale, Dipti D. Patil, Vilas Thakare, “Speech Recognition Techniques On Mobile Devices:- Analysis Of Various Approaches”, International Journal of Advances in Electronics and Computer Science, ISSN: 2393-2835 Volume-3, Issue-1, Jan.-2016, pp.28-36 http://www.ijae.in/journal/journal_file/journal_pdf/12-217-148722613528-36.pdf

- 5. Rashmi K. Sonule, Dipti D. Patil, “ Real time data stream mining approach to Arrhythmia prediction”, in IJSER (ISSN 2229-5518), Volume 5, Issue7, July 2014, pp. 530-533. DOI: 10.3390/ s120912844 (Impact Factor: 1.4)
- 6. Dipti D. Patil, Bhagyashri D. Dangewar, “ Multi-Objective particle swarm optimization (MOPSP) based on pareto dominance approach,” in IJCA (ISSN 0975-8887), Volume 107-No.4, December 2014, pp.13-15
- 7. Dipti D. Patil, Sonali Bandgar, Kalpesh Nagmoti, Shraddha Borkar, Priyanka Rajage, “Video watermarking using transforms”, IJSER(ISSN 2229-5518), Volume 5, Issue 10, October 2014

8. Anish Singh Shekhawat, Arnav Jain, Dipti Patil, "A study of ECG Stegnography for securing patient's confidential data based on wavelet transformation", in IJCA(ISSN 0975-8887), Volume 105, No.12, November 2014
9. Dipti D Patil and Prachi Gupta. Article: Growing Hierarchical Self-Organizing Map (GHSOM) for Mining Gene Expression Data. International Journal of Computer Applications 109(2):16-17, January 2015
10. Shamla Mantri, Pankaj Agrawal, Dipti Patil, V.M.Wadhai, "Depression Analysis using ECG Signal", International Journal of Computers & Technology (IJCT), VOL 11, NO 7, pp. 2746-2751, November 2013. (Impact Factor: 1.341)
11. Vipul Patil, Shamla Mantri, Pankaj Agarwal, Dipti Patil, V. M. Wadhai, Rachna Mitkar, "Efficient Method for Stress Detection and Analysis", International Journal of Research in Education Methodology, Vol.3, No.3, ISSN:2278-7690, pg. 309-315, 2013.
12. Shamla Mantri, Prajakta Chavan, Priyanka Kadam, Dipti Patil, V.M.Wadhai, "Classifying Mood Disordered Patients and Normal Subjects Using Various Machine Learning Techniques", International Journal of Advance Research in Computer Science and Management Studies, Volume 1, Issue 4, pg. 90-97, ISSN: 2321-7782, September 2013.
13. Dipti Patil, V.M.Wadhai, Bhagyashri Dangewar, "Cloud Security: Problems and Solutions", International Journal of Scientific research, Volume 3, Issue 4, ISSN: 2277 – 8179, April 2014
14. Shamla Mantri, Vidya Dukare, Smita Yeole, Dipti Patil, V.M.Wadhai, "A Survey: Fundamental of EEG", International Journal of Advance Research in Computer Science and Management Studies, Volume 1, Issue 4, pg. 83-89, ISSN: 2321-7782, September 2013.
15. Dipti Patil, V.M.Wadhai "Adaptive Real Time Data Mining Methodology For Wireless Body Area Network Based Healthcare Applications", *Advanced Computing: An International Journal (ACIJ) ISSN :2229 - 6727[Online], Vol.3, No.4, July 2012, pp 59-70 , DOI : 10.5121/acij.2012.3408*
airccse.org/journal/acij/papers/0712acij08.pdf
16. Dipti Patil, Dhanashri P, Sharlin P., Trupti M., Ruta D., V.M.Wadhai, " Intelligent Arrhythmia Diagnostics System", *International Journal of Computer Science and Issues(IJCSI) ISSN: ISSN (Online): 1694-0784, Vol. 9, Issue 6,no. 1,PP. 408-413, November 2012.*
ijcsi.org/papers/IJCSI-9-6-1-408-413.pdf
17. Dipti Patil, V M Wadhai, Snehal Gujar, Karishma Surana, Prajakta Devkate and Shruti Waghmare. Article: APNEA Detection on Smart Phone. International Journal of Computer Applications (ISSN: 0975 – 8887) 59(7): PP.15-19, Vol.59– No.7, December 2012. Published by Foundation of Computer Science, New York, USA, doi: 10.5120/9559-4022
18. Dipti D.Patil, Jyoti Mudkanna, Vijay.M.Wadhai "Ensemble-Based Approach towards Concept Adapting Algorithms" IJSER, in *IJSER ISSN: 2229-5518* Volume 4, Issue 1, PP. 1-6, January 2013.
<http://www.ijser.org/researchpaper%5CEnsemble-Based-Approach-towards-Concept-Adapting-Algorithms.pdf>
19. Dipti Patil, V.M.Wadhai, Abhinav, Tejashree C., "A Comparative Study of Traditional and Mobile based ECG System Algorithms", *IJCA(0975 – 8887) Volume 41– No.3, March 2012* Doi: 10.5120/5518-7529
<http://research.ijcaonline.org/volume41/number3/pxc3877529.pdf>
20. Dipti D. Patil, S.M.Karad, Prasad H., Vijay M. Wadhai, M.U. Kharat "Two Phase Iterative Clustering for Educational Data", *IJAIS(2249-0868), Volume 1– No.5, February 2012*
<http://research.ijais.org/volume1/number5/ijais12-450173.pdf>
21. Dipti Patil, Bhagyashree Agrawal, Snehal Andhalkar, Richa Biyani, Mayuri Gund, Dr. V.M.Wadhai , "An Adaptive parameter free data mining approach for healthcare application" *IJACSA (2156-5570), Vol 3, Issue 1, January 2012, pp. 55-59.*

[http://thesai.org/Downloads/Volume3No1/Paper%208-](http://thesai.org/Downloads/Volume3No1/Paper%208-An%20Adaptive%20parameter%20free%20data%20mining%20approach%20for%20healthcare%20application.pdf)

[An%20Adaptive%20parameter%20free%20data%20mining%20approach%20for%20healthcare%20application.pdf](http://thesai.org/Downloads/Volume3No1/Paper%208-An%20Adaptive%20parameter%20free%20data%20mining%20approach%20for%20healthcare%20application.pdf)

22. Dipti Patil, Shamla Mantri, Dr. V.M. Wadhai, “Feature Extraction Techniques For Mining ECG Signals In WBAN for Healthcare Applications”, *International Journal of Advances in Computing and Information Researches*, Vol. 1, Issue No. 1, January 2012

<http://ijacir.com/MOJMS/index.php/IJACIR/article/view/3/pdf>

23. Dipti Patil, V.M. Wadhai, Trushna Patil, Geeta Sorate, “Sensors To Diagnose the Physiological Data to Support Medical Applications”, *International Journal Of Advanced Engineering Sciences And Technologies (ISSN: 2230-7818)*, Vol No. 10, Issue No. 2, 252 – 265, September 2011

<http://www.ijaest.iserp.org/archieves/18-Sep-1-15-11/Vol-No.10-Issue-No.2/12.IJAEST-Vol-No-10-Issue-No-2-Sensors-For-Diagnose-the-Physiological-Data-to-Support-Medical-Applications-252-265.pdf>

24. Dipti Patil, Shamla Mantri, Dr. V.M. Wadhai, “Wavelet transform based ecg signal analysis for wban in healthcare applications”, *International Journal of Engineering, Science and Research (ISSN: 2231-5535)*, Vol. 1, Issue No. 3, December 2011

25. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar , “Design and Implementation of Divisive Clustering algorithm for Categorical Data”, *International Journal of Electrical, Electronics and Computer Systems(2221-7266)*, Vol. 1, Issue:1, March 2011, pp. 6-15 <http://www.ijeecs.org/march-2011>

26. Dipti Patil, Anagha Shastri, V.M.Wadhai, “Constraint-based Web Log Mining for Analyzing Customers’ Behaviour”, *International Journal of Computer Applications (0975 – 8887) Volume 11– No.10, December 2010* www.ijcaonline.org/volume11/number2/pxc3872180.pdf

27. Dipti Patil, V.M.Wadhai, J.A.Gokhale “Evaluation of Decision Tree Pruning Algorithms for Complexity and Classification Accuracy”, *International Journal of Computer Applications (0975 – 8887)Volume 11– No.2, December 2010* DOI: 10.5120/1554-2074

www.ijcaonline.org/volume11/number2/pxc3872074.pdf

28. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar, “Multi-Level Risk Analysis using Social Agent Based Meta Learning Classification”, *IJCSIC(0976-9250)*, Vol. 1, No. 1, September 2010, pp. 12-19

29. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar, “Effective Multi-Stage Clustering for Inter- and Intra-Cluster Homogeneity”, *IJCSIS(1947-5500)*, Vol. 8 No. 6, September 2010 , pp. 154-160 **impact factor 0.423** <http://www.docstoc.com/docs/56990080/Effective-Multi-Stage-Clustering-for-Inter-and-Intra-Cluster-Homogeneity>

30. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar , “Efficient Scalable Multi-Level Classification Scheme for Credit Card Fraud Detection”, *IJCSNS International Journal of Computer Science and Network Security(1738-7906)*, VOL.10 No.8, August 2010, pp. 123-130

paper.ijcsns.org/07_book/201008/20100819.pdf

31. Mayuri Gund, Snehal Andhalkar, Dipti Patil, V.M.Wadhai, “An Intelligent Architecture for Multi-Agent Based m-Health Care System”, *International journal of Computer Trends and Technology (IJCTT)*,ISSN: 2231-2803, March-April Issue 2011, pp. 1-5

www.ijcttjournal.org/volume-1/issue-1/ijcttjournal-v1i1p29

32. Sunny Gill, V.Ramteke, G.Rupnar, Dipti Patil, V.M.Wadhai, “EMAIL SECURITY PROTOCOL”, *International journal of Computer Trends and Technology (IJCTT)*,ISSN: 2231-2803, March- April 2011.

www.ijcttjournal.org/volume-1/issue-1/ijcttjournal-v1i1p19.pdf

33. Narendra Kumar, Dipti D. Patil, V.M.Wadhai, “Rule based programming with drools”, *International journal of Computer Science and Information Technology IJCSIT*, ISSN: 0975-9646, May 2011

www.ijcsit.com/docs/Volume%202/vol2issue3/ijcsit2011020335.pdf

34. Gulbakshee Dharmale, Dipti Patil, V.M.Thakre “Survey on Current Issues Related with Asr System on Mobile Devices”, in proceedings of AIP - ICRTES Conference, Visakhapatnam, Andhra Pradesh, India, 10-11 February, 2018
35. Shamla Mantri, Dipti Patil, “Cognitive depression detection methodology using EEG signals” in proceedings of Springer’s 2nd International conference on intelligent computing and communication(ICICC-2017), Pune, India, 2-4 August 2017
36. Swati Shekapure, Dipti D. Patil, “Intelligent and personalized E-learning System”, in proceedings of IEEE International Conference on energy, communication, Data Analytics & soft computing (ICECDS)-2017, Tamilnadu, India, 1-2 August 2017.
37. Mantri, Shamla, Patil Dipti, Agrawal Pankaj, Wadhai Vijay, "Non invasive EEG signal processing framework for real time depression analysis," in SAI Intelligent Systems Conference (IntelliSys), London UK, 2015 , pp.518-521, 10-11 Nov. 2015 doi: 10.1109/IntelliSys.2015.7361188
38. Dipti Patil, Gulbakshee Dharmale, Vilas Thakre, “Intelligent Hands free speech based SMS system on Android”, in IEEE International conference on Advances in Human Machine Interaction (HMI-2016), Karnataka, 3-5 March 2016 Doi:10.1109/HMI.2016.7449177 ISBN:978-1-4673-8810-8
39. Shamla Mantri, Dr. Pankaj Agrawal, Dr. Dipti Patil, Dr. V.M.Wadhai, “Cumulative video analysis based smart framework for depression analysis”, IEEE International Conference on Pervasive Computing (ICPC-2015), January 8-10, 2015
40. Shamla Mantri, Dr. Pankaj Agrawal, Dr. S.S.Dorle, Dipti Patil, Dr. V.M.Wadhai, “Clinical Depression analysis Using Speech Features”, IEEE 6th International Conference on Emerging Trends in Engineering & Technology, December 16-18, 2013. DOI: 10.1109/ICETET.2013.32
41. Shamla Mantri, Dr. Pankaj Agrawal, Dr. S.S.Dorle, Dipti Patil, Dr. V.M.Wadhai, “Electrocardiogram Based Depression Analysis Using Expert Opinion ”, International Conference on Recent Trends in Engineering and Technology” (ICRTET-2014), March 28-30, 2014
42. Dipti Patil, V.M.Wadhai, “Dynamic Data Mining Approach to WMRHM”, 7th IEEE Conference on Industrial Electronics and Applications (ICIEA), 2012, vol., no., pp.1978-1983, 18-20 July 2012 doi:10.1109/ICIEA.2012.6361053, Print ISBN: 978-1-4577-2118-2
URL:<http://ieeexplore.ieee.org/stamp/stamp.jsptp=&arnumber=6361053&isnumber=6360685>
43. Dipti Patil, Jyoti M., G. Rokade, V.M.Wadhai, “Concept Adapting Real-Time Data Stream Mining For Health Care Applications” in Proc. International Conference on Soft Computing, Artificial Intelligence and Applications, Springer’s Advances in Intelligent and Soft Computing book Series, Volume 166/2012, 341-351, DOI: 10.1007/978-3-642-30157-5_34
<https://springerlink3.metapress.com/content/8084217m3l660173/resource-secured/?target=fulltext.pdf&sid=dosiiivnym4wnw4y2knevtugc&sh=www.springerlink.com>
44. Dipti Patil, Jyoti M., G. Rokade, V.M.Wadhai, “Real-Time Data Stream Mining of Evolving Physiological Signals for Health Care Applications” IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012)iccia(9):-, March 2012. Published by Foundation of Computer Science, New York, USA
<http://www.ijcaonline.org/proceedings/iccia/number9/5153-1065>
45. Dipti Patil, G. Rokade, Jyoti M., V.M.Wadhai, “Implementation of Clustering Algorithm for Vital Signals in WMRHM Framework” IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012)iccia(9):-, March 2012. Published by Foundation of Computer Science, New York, USA
<http://www.ijcaonline.org/proceedings/iccia/number9/5154-1066> 2008-09(1)

46. Dipti Patil, Shalini Bhatia, "Distributed Data Mining Approach to Credit Card Fraud Detection", in Proc. IEEE Colloquium and International Conference, Mumbai, India, vol. 4, pp-48-52, February 2008.
47. Dipti Patil, Jyoti M., G. Rokade, V.M.Wadhai, "Real-Time Data Stream Mining Techniques For Health Care Applications" in Proc. national Conference on High Performance Computing and Machine Intelligence 2012 at MAEER's MITCOE, Pune.
48. Dipti Patil, G. Rokade, Jyoti M., V.M.Wadhai, "Text Mining And Summerization Using Document Clustering Technique" in Proc. national Conference on High Performance Computing and Machine Intelligence 2012 at MAEER's MITCOE, Pune. 2010-11(3)
49. Dipti Patil, V.M.Wadhai, P.S.Halgaonkar , "A real time data mining framework for analyzing physiological signals in health Care applications", in proc. MINEWARE 2011 national conference on Data Mining & Data Warehousing.
50. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar , "Design and Development of Real time Alert Data mining Algorithms for Patient Monitoring System", in proc. MINEWARE 2011 national conference on Data Mining & Data Warehousing
51. Dipti Patil, S.M.Karad, V.M.Wadhai, P.S.Halgaonkar , "Effective and Efficient Clustering of Categorical Data in Data Mining Application", in proc. MINEWARE 2011 national conference on Data Mining & Data Warehousing.

xiii. No. of books published with details: 2 books

1. Kamini Nalawade, Sharmishtha Desai, Dipti Patil, "Data Structures and Algorithms", by Gigatech Publishing House, ISBN: 978-81-936504-9-3
2. Dipti Patil, Vijay M. Wadhai, "Dynamic Data Mining for Smart mHealth", ISBN: 978-3-659-96262-2, LAP Lambert Academic Publishers, October 2016



- i. Name: Dr. Chetana Gavankar
- ii. Date of Birth: 30th November 1976
- iii. Unique Id: 1-435419345
- iv. Educational Qualifications: PhD (IIT Bombay-Monash University, Australia)
- v. Experience:
 - Teaching: 17
 - Research: 5
 - Industry: 2
- vi. Area of Specialization:
 - a. Natural Language Processing
 - b. Machine Learning
 - c. Semantic Web
 - d. Data Science and Big Data Analytics
- vii. Courses taught at Under Graduate/ Post Graduate Level:
 - a. Data Science and Big Data Analytics
 - b. Information Retrieval
 - c. Natural Language Processing
 - d. Machine Learning
 - e. Software Engineering
 - f. Project Planning & Management
 - g. Software Testing & Quality Assurance
 - h. Web Technologies
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 1
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out:
 - Research Fellow at Monash University, Australia, from January 2013 to May 2013-Joint research work with Monash University researchers which resulted in publication
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:

- a. "A Utility Tool for Personalized Medicine" at International Conference on Bioinformatics and Neurosciences, Nevada State, USA, 2018 (Published by ACM)
 - b. "Context-driven Concept Search across Web Ontologies using Keyword Queries" at 8th International Conference on Knowledge Capture Conference, Palisades, NY, USA, October 07 - 10, 2015 (Published by ACM)
 - c. "Efficient Reuse of Structured and Unstructured Resources for Ontology Population" at 9th International Conference on Language Resources and Evaluation, 2014, Reykjavik, Iceland (Published by European Language Resources Association)
 - d. "Semi-automatic Dictionary Curation for Domain-specific Ontologies" at the IEEE International Conference on Tools with Artificial Intelligence, 2013, Washington DC, USA (Published by IEEE Computer Society)
 - e. "Enriching Concept Search across Semantic Web Ontologies" at The 12th International Semantic Web Conference, 2013, Sydney, Australia (Published by Springer)
 - f. "Enriching an Academic Knowledge base using Linked Open Data" at the 24th International Conference on Computational Linguistics for the Workshop on Speech and Language Processing Tools in Education, 2012, IIT Bombay (Published by ACL)
 - g. Best poster award at IIT Bombay-Monash University, Australia Symposium 2012 (Published by Symposium proceedings)
 - h. Automated system for interpreting non-verbal communication in video conferencing published in International Journal of Computer Science and Engineering, Vol.2(1), 2010
 - i. "Prototype implementation of Meaning based Grammar" at IEEE conference on "AI tools in Engineering"
 - j. "Information System using Natural Dialog at International University of the Witwatersrand, Johannesburg, South Africa.
 - k. "Online teachers evaluation", ISTE
 - l. "Mudra recognition using Image Processing and pattern recognition Approach, NCCICT 2008, Coimbatore-India
- xiii. No. of books published with details: 1 book chapter
- a. Explicit Query Interpretation and Diversification for Context-Driven Concept Search Across Ontologies" in "The Semantic Web-ISWC 2016, Pages 271-288, Springer International Publishing



- i. Name: Madhura Kedar Tokekar
- ii. Date of Birth: 28th February 1963
- iii. Unique Id: 1-434670341
- iv. Educational Qualification: M E (Electrical)
- v. Experience:
 - Teaching: 34 years
 - Industry: 1 year
- vi. Area of Specialization: Object Oriented Modeling and design
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Software Design and Modelling
 - b. Object Oriented Programming
 - c. Multimedia Systems
 - d. Discrete Structures
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: -
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: Blockchain
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications: -
- xiii. No. of books published with details: -



- i. Name: Makarand Ramesh Velankar
- ii. Date of Birth: 31-Jan-1969
- iii. Unique Id: 1-434670349
- iv. Educational Qualifications: M.E. Computer Engineering
- v. Experience:
 - Teaching: 18 years
 - Research: 3 years
 - Industry: 11 years
- vi. Area of Specialization:
 - a. Computational musicology
 - b. Algorithm analysis
 - c. Information Retrieval
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Data Structures
 - b. Design and analysis of algorithms
 - c. Database Management systems
 - d. Information Retrieval
 - e. Soft Computing
 - f. Entrepreneurship
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 3
 - b. Master: - 1 (co-guide)
 - c. Ph.D.: -
- ix. Projects Carried out:
- x. Patents: - 1 applied and published
 1. Patent no. 3526/MUM/2012 Sentimental perception framework based on speed of music
- xi. Technology Transfer: -
- xii. Research Publications:
 - a. ICETET Nagpur (International Conference on emerging trends in Engineering and Technology) 2008 on “Exploring Data analysis in music using tool Praat” – available on IEEE Explore
 - b. IMS (Indian Musicological society) Conference 2011, NCPA Mumbai on “Music Similarity Perception study”

- c. Coling (Computational Linguistics) 2012 IIT Mumbai on “music Sentiments” - available on aclweb.org and academia.edu
- d. Acoustics 2013, at CSIR-National Physical Laboratory New Delhi on “Automatic Emotion Detection using speed of music”
- e. ICIASP (International conference on Industrial Application of signal Processing) 2013 on “Journey towards personal music search”
- f. At ICESC (International conference on electronic systems signal processing and computing Technologies) 2014 on “Novel approach for Music search using contents and human perception”- available on IEEE Explore
- g. IJCLNLP Vol II Issue VII 2013- titled ‘Perception based framework for similar music retrieval and Recommendation”
- h. IJERT Vol2, issue 10, October 2013- titled “Study paper for Timbre identification in sound”
- i. IJRCCT Vol2, issue 10, October 2013- titled “Survey paper on music beat tracking”
- j. IJARCSST 2014Vol. 2, Issue 2, April - June 2014 titled “Automatic Classification of Instrumental Music & Human Voice Using Formant Analysis”
- k. IJIREC- vol 1, issue2, May 2014 - titled “A pilot study of automatic tempo measurement in rhythmic music”
- l. Sysmus 2017 Systematic musicology 10th conference at Queen Mary University, London titled” Study of novice listeners response to Hindustani classical Raga music for emotion perception”
- m. Invited talk at FRSM 2017 at NIT Rourkela titled” Pattern recognition in music” IJETT Journal Volume 5 issue 1 2018 - titled “Feature Engineering and Generation for Music Audio Data”
- n. International Journal of Engineering Applied Sciences and Technology vol2 issue3 2018 - titled “SOFT COMPUTING FOR MUSIC ANALYTICS”
- o. Springer IJIT Journal Nov.2018- titled “Melodic pattern recognition in Indian classical music for raga identification”

xiii. No. of books published with details: 1 book chapter

Intelligent Computing and Information and Communication Springer book page no. 373-381 - titled “Unified Algorithm for Melodic Music Similarity and Retrieval in Query by Humming”



- i. Name: Sneha Thombre
- ii. Date of Birth: 26-June-1972
- iii. Unique Id: 1-434670345
- iv. Educational Qualifications: M.E (PhD pursuing IIT Guwahati)
- v. Experience:
 - Teaching: 19 years
 - Research: 2.5 years
 - Industry: 1 year
- vi. Area of Specialization:
 - a. Computer Networks
 - b. Information Security
 - c. Mobile Computing
- vii. Courses taught at Undergraduate/Postgraduate Level:
 - a. Information and Cyber Security
 - b. Advance Computer Networks
 - c. Unified Communications and Contact Center Applications.
 - d. Fundamentals of Networking
 - e. Mobile Computing
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 2
 - b. Master: -
 - c. PhD
- ix. Projects carried out: Performance analysis (QoS) of Internet, Information spread on social networks, Key management protocols, Data leakage prevention techniques. Etc.
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 1. Thombre, Sneha, Lalit M. Patnaik, and Anil Tavildar. "Effect of Multiplexing TCP Flows on Delay Sensitivity in the Internet Communications " accepted in Springer Transactions on Networking DOI: 10.1007/s42045-018-0011-0
 2. Thombre, Sneha, Lalit M. Patnaik, and Anil Tavildar. "Delay and Jitter Sensitivity Analysis with varying TCP fraction for multiplexed Internet Communications" accepted in International Journal of Internet Protocol Technology Inderscience

3. Thombre, Sneha, Lalit M. Patnaik, and Anil Tavildar. "Design and performance analysis of Link-by-Link Congestion Avoidance (LbLCA) Algorithm " accepted in Int. J. of Communication Networks and Distributed Systems Inderscience
4. Thombre, Sneha. "Network Jitter Analysis with varying TCP for Internet Communications." 2018 3rd International Conference for Convergence in Technology (I2CT). IEEE, 2018.
5. Thombre, Sneha. "Modelling of UDP throughput." Region 10 Conference (TENCON), IEEE, 2016.
6. Sneha Thombre, "Rethinking the design of Internet: End-to-end arguments vs. the brave new world" (Lamsys-2016) jointly organised by the Satish Dhawan Space Centre (SHAR) ISRO and ISSE, Sriharikota, Chennai Chapter June 2016.
7. Thombre, Sneha, Lalit M. Patnaik, and Sanjay K. Bose. "TCP delay-friendliness." IEEE International conference on Communications and Signal Processing (ICCSP), 2016
8. Prajakta Kumbhojkar, Shyamsalonee Rawal, Rajalakshmi Elangovan, Masumi Jain and Sneha Thombre "Implementation of the RnSIR Model" IEEE PuneCon-2018
9. Prajakta Kumbhojkar, Shyamsalonee Rawal, Rajalakshmi Elangovan, Masumi Jain and Sneha Thombre "Interface Implementation for Quantifying Information Spread on Social Networks" IEEE 6th International Conference on MOOCs, Innovation and Technology in Education – MITE-2018

xiii. No. of books published with details:



- i. Name: Mr Harshad Suryakant Wadkar
- ii. Date of Birth: 21-Sept-1975
- iii. Unique Id: 1-434670523
- iv. Educational Qualifications: M. E, (Computer Engineering)
- v. Experience:
 - Teaching : 16 years
 - Research : 06 years
 - Industry : 02 years
- vi. Area of Specialization:
 - a. Operating System & Web Browser security
 - b. Static code analysis
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Information Assurance & Security
 - b. Compiler Construction
 - c. System Software (Programming)
 - d. Theory of Computation (Theory of Computer Science)
 - e. Data Structures & Files
 - f. Fundamentals of Data Structures
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences:
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: -
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 - a. Harshad Suryakant Wadkar, Arun Mishra and Arati Dixit,
Framework to Secure Browser Using Configuration Analysis, In International Journal of Information Security and Privacy (IJISP), volume 11, pp. 49-63, 2017, DOI:10.4018/IJISP.2017040105.
Indexed in : Web of Science Emerging Sources Citation Index (ESCI), SCOPUS
 - b. Harshad Suryakant Wadkar and Arun Mishra,

Hardening web browser security configuration using machine learning technique, In International Journal of Information and Computer Security (IJICS), DOI:.

Indexed in : SCOPUS

Accepted - to be Published

- c. Harshad Suryakant Wadkar, Arun Mishra and Arati Dixit, Prevention of information leakages in a web browser by monitoring system calls, In 2014 IEEE International Advance Computing Conference (IACC), pp. 199-204, 2014, DOI : 10.1109/IAdCC.2014.6779320.
- d. Harshad Suryakant Wadkar, Arun Mishra and Arati Dixit, Automated Browser Security Using Configuration Analysis, In 2016 International Conference on Cyber Security (ICCS), 2016.

xiii. No. of books published with details: -



- i. Name: Mrs. Radhika Akshay Bhagwat
- ii. Date of Birth: 4 August 1979
- iii. Unique Id: 1-435419349
- iv. Educational Qualifications: Mtech (Electronics),PhD(Pursuing)
- v. Experience:
 - Teaching: 16 years
 - Research: - 3years
 - Industry: -
- vi. Area of Specialization: Image Processing,Machine Learning
- vii. Courses taught at Under Graduate/ Post Graduate Level:
 - a. Digital Systems
 - b. Processor Interface and Architecture
 - c. Fundamentals of Programming Language
 - d. Data Communication and Networking
 - e. Network Fundamentals
 - f. Embedded Systems
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: -
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: Soil Classification and crop recommendation,Plant leaf disease detection,Sentiment Analysis etc
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 - a. Radhika Bhagwat, Radha Kokare and Yogesh Dandawate," A Framework for Identification of Soybean Leaf Diseases",2nd International Conference on Advance Technologies for societal Applications,14-15 December 2018,Pandharpur.

- b. Radhika Bhagwat and Yogesh H.Dandawate, " Indian Plant Species Identification under Varying Illumination and Viewpoint Conditions " in Proceedings of Conference on Advances in Signal Processing, Pune , June 2016 ISBN : 978-1-5090-0849-0/16
- c. P. P. Bartakke, Mrs. R.A. Bhagwat, Dr. M.S. Sutaone,“ Texture synthesis using 2D MA model” at international Conference at VVIET, Mysore- August 200p
- d. P. P. Bartakke, Mrs. R.A. Bhagwat, Dr. M.S. Sutaone,“Texture realization using 2D MA random field model” at national conference COEP SEPT 2009.
- e. R.A. Bhagwat,Anagha Kulkarni,“ An overview of Registration based and registration free method for generating cancelable fingerprint template” CSE international Journal VOL- 4, Issue-1 Pg. 23-30
- f. Anagha Kulkarni,R.A. Bhagwat“Cache coherency in distributed file system” CSE international Journal, VOL- 4, Issue 1,Pg 1-8.

xiii. No. of books published with details:-



- i. Name: Mrs. Leena M. Panchal
- ii. Date of Birth: 17-September-1979
- iii. Unique Id:1-435419633
- iv. Educational Qualifications: M.E. (Information Technology)
- v. Experience:
 - Teaching: 16.5 years
 - Research: -
 - Industry: -
- vi. Area of Specialization:
 - Human Computer Interaction
 - Wireless Sensor Networks
- vii. Courses taught at Undergraduate/Postgraduate Level:
 - Human Computer Interaction
 - Data Structures
 - System Programming
 - Fundamentals of Programming Language
 - Multimedia Techniques
 - Programming Paradigms and Methodology
- viii. Research guidance
 - No. of papers published in National/ International Journals/ Conferences: 3
 - Master: -
 - Ph.D.: -
- ix. Projects Carried out:
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 1. Srishti Nene, Shivani Mundle, Sakshi Mahajan, Samrudhi Yeginwar and Leena Panchal, International Conference on Intelligent Computing and Communication Technologies (ICICCT - 2019), 'The study of vehicular parking system', January 09th - 11th, 2019
 2. Shambhavi Deshmukh, Priti Gaikwad, Pratiksha Pakhale, Apurva Patil, Leena Panchal, Praful Meshram, NCPCRA -2018 Conference . 'A Literature Review Of

An Online Portal Based On Cloud Computing Connecting Internships with Startups'.also in review for BJIT Springer journal

3. Pratiksha Pakhale, Apurva Patil, Priti Gaikwad, Shambhavi Deshmukh, Prof. Leena Panchal, Prof. Praful Meshram, NCPCRA-2018 conference. 'Designing a framework for efficient search using Cloud Computing'.
4. Revati Shiram, Leena Sharma,'Web Based Counseling System With Electronic Prescription For Rural Area', International Journal of Advanced Engineering Technology, JERS/ Volume II/ Issue II/April-June, 2011/143-148.
5. Leena Sharma, Dr. Vivek Deshpande, 'Congestion Control using Prioritized Scheduling in Wireless Sensor Networks', iPGDCON 2016.
6. Leena Sharma, Dr. Vivek Deshpande,'Comparative Study of Congestion in WSN', National Conference on recent trends in electronics, telecommunications and information technology (NCRTEIT) 2015.
7. Ms. Revathi Shiram, Mrs. Sayali Gadre, Ms. Leena Sharma,'Telepsychiatry – Mental Healthcare for Rural Area', 5th International Conference on Telemedicine 6th – 8th Nov 2009, TELEMEDICON – 09, Pune, MH, India.
8. Ms. Leena Sharma, Ms. Revathi Shiram, Mrs. Sayali Gadre,'iPHR – Transforming Health Care through IT ', 5th International Conference on Telemedicine 6th – 8th Nov 2009, TELEMEDICON – 09, Pune, MH, India.
9. Mrs. Sayali Gadre, Ms. Leena Sharma, Ms. Revathi Shiram,'eHOME – High-tech Healthcare at your Doorstep', 5th International Conference on Telemedicine 6th – 8th Nov 2009, TELEMEDICON – 09, Pune, MH, India.

xiii. No. of books published with details: -



- i. Name: Suchitra Sandesh Pakale
- ii. Date of Birth: 13-June-1980
- iii. Unique Id: 1-435573013
- iv. Educational Qualifications: M.Tech. (Computer Engineering)
- v. Experience:
 - Teaching: 14 years
 - Research: -
 - Industry: -
- vi. Area of Specialization:
 - a. Computer Organization
 - b. Distributed System
 - C. Evolutionary Algorithms
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Computer Organization
 - b. Distributed Systems
 - c. Digital Electronics
 - d. Computer Graphics
 - e. Fundamentals of Programming Language
 - f. Artificial Intelligence
 - g. Processor Architecture and Interfacing
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 2
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out:
- x. Patents: -
- xi. Technology Transfer: -

- xii. Research Publications:
 - a. Prof. Suchitra Pakale, Niraja Bokil, Saloni Bhandari, Rohini Roundale, Sanskriti Thombare. "Developing an Android application (SUVIDHA) for pensioner using fingerprint authentication," International Journal of current

Engineering and scientific Research ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-4, ISSUE-6, 2017.

- b. Anuja Anil Sawant, Bhagyashree Dattatraya Pagare, Asst. Prof. Suchitra Morwadkar. “To develop an application to facilitate Registration and notification for organ Donation process, Transplant your absence to the presence” at 17th International Conference on Computer Science and Information Technology (ICCIT 2016) ISBN: 978-93-85225-61-1, 3 rd April, 2016, Goa.

xiii. No. of books published with details: -



i. Name : Praful D. Meshram

ii. DOB : 04 Sept 1979

iii. Unique ID: 1-435419341

Iv. Educational Qualifications : ME (IT) (Pursuing PhD)

v. Experience:

- Teaching: 15 years
- Research: 5 years
- Industry: 0 years

vi. Area of Specialization:

- a. Computer Networks
- b. Cyber Security

vii. Courses taught at Undergraduate/Postgraduate Level:

- a. Computer Networks
- b. Mobile Computing
- c. Fundamentals of programming languages

viii. Research guidance

- a. No. of papers published in National/ International Journals/ Conferences: 1
- b. Master: -
- c. Ph.D.: -

ix. Projects Carried out: Drivers for Mobiles, Android OS bug fixing, Cloud based Auth.

x. Patents: -

xi. Technology Transfer: -

xii. Paper Presented / Published

1. Mobile Information Device Profile Based Java ME driver for MySQL, Sinhgad COM, Pune
2. A survey paper on vulnerabilities in android OS and security of android Devices, DOI: 10.1109/GCWCN.2014.7030873, Publisher IEEE.



- i. Name: Suraj Chavan
- ii. Date of Birth: 09-Nov-1978
- iii. Unique Id: 1-435573017
- iv. Educational Qualifications: M.Tech. (Computer Engineering)
- v. Experience:
 - Teaching: 14 years
 - Industry: 1 year
- vi. Area of Specialization:
 - a. Cloud Computing
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Operating Systems
 - b. Cloud Computing
 - c. Artificial Intelligence
 - d. Computer Organization
 - e. Distributed Systems
 - f. Programming Paradigms and Methodologies
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: -
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: -
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 - a. A Technique to Search Log Records using System of Linear Equations, International, IEEE Conference, CSI International Conference on Software Engineering (CONSEG) – 2012
 - b. HPC Using Beowulf Clusters: Low cost alternative for Indian Universities, International, IEEE Conference, International Conference on Electronics Computer Technology - ICECT 2012
 - c. Supercomputing for Classroom, National Conference, National Conference on High Performance Computing and Machine Intelligence 2012
- xiii. No. of books published with details: -



1. Name: Harsha Rajesh Sonune
2. Date of Birth: 30/01/1984
3. Unique Id: 1-435419637
4. Educational Qualifications: Masters in Information Technology(MEIT), BEIT from University of Pune.
5. Experience:
 - Teaching: 14
6. Area of Specialization:
 - a. Discrete Mathematics
 - b. Network
 - c. Web Technology
7. Courses taught at UnderGraduate Level:
 - a. Discrete Structures
 - b. Web Technology
 - c. Fundamentals of Programming Language
 - d. Human Computer Interaction.
8. Research guidance
 - a.No. of papers published in National/ International Journals/Conferences:
 - b.Master: -
 - c.Ph.D.: -
9. Projects Carried out:
10. Patents:
11. Technology Transfer:
12. Research Publications:
13. No. of books published with details



- i. Name: Deshpande Prajakta Mohan
- ii. Date of Birth: 10-Apr-1984
- iii. Unique Id:1-435419801
- iv. Educational Qualifications: M.E[I.T.]
- v. Experience:
 - Teaching: 11.5 years
 - Research: -
 - Industry: -
- vi. Area of Specialization:
 - a. Theory of Computation
 - b. Software Testing and Quality assurance
 - C. Ubiquitous computing
- vii. Courses taught at Under Graduate/Post Graduate Level:
 - a. Theory of Computation
 - b. System software
 - c. Software testing and quality assurance
 - d. Fundamentals of Programming Language
 - e. Ubiquitous Computing
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: 3
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out:
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications:
 - a.: Komal Pagare, Shamli Sarode, Varsha Sitawar, Vedantee Thorat, Prajakta Deshpande, "Shopping Cart- An Android Based Shopping Application", at NCPRA
 - b. Prof. Prajakta Deshpande, Ankita Kusalkar, Yogita Punekar, Priyanka Takawane, Madhavi Thorat " Real Chatting Application For Communication

Between Different Language Speaking People" conference paper selected at International Journal Of New Technology and Research.

- c. Arpita Aman, Arushi Kaul, Kaushikee ., Rishika Priya, Prajakta Deshpande, Rinkle Kapur,"Incident Management Using Lightning Connect To Connect External Databases",Journal of Web Development and Web Designing,Vol 1, No 1 (2016)
- d. Prof. Prajakta Deshpande "Building a HealthCare system using Service Oriented Architecture and Data Mining-SOHDM", National Conference iPGCON,Pune, 23 April 2010.
- e. Dr.Warnekar,Dr.Chetana Gavankar,Prof. Prajakta Deshpande, "Mudra Recognition Using Image-Processing And Pattern Recognition Approach", National Conference on Innovations in IT, Coimbatore 12-13 December 2008

xiii. No. of books published with details: -



- i. Name: Milind Narayan Kolambe
- ii. Date of Birth: 06-01-1981
- iii. Unique Id: 1-435419805
- iv. Educational Qualifications: M.E.(Comp), B.E.(Comp)
- v. Experience:
 - a. Teaching: 10.5 years
 - b. Research: -
 - c. Industry: -
- vi. Area of Specialization:
 - a. Databases, Programming
- vii. Courses taught at Under Graduate/ Post Graduate Level:
 - a. Database Management System, Software Engineering, Computer Graphics
- viii. Research guidance
 - a. No. of papers published in National/ International Journals/ Conferences: -
 - b. Master: -
 - c. Ph.D.: -
- ix. Projects Carried out: -
- x. Patents: -
- xi. Technology Transfer: -
- xii. Research Publications: 2
- xiii. No. of books published with details: -