

Dr. Rohini Anant Patil Ph.D.(IT)

Assistant Professor

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Address for Correspondence:

Terna Engineering College,
Nerul (West), Navi Mumbai.



Professional Qualification:

- **Ph.D. (Information Technology)2023**
TCET, Mumbai University
- **M.E. (Computer Engineering) 2012**
VIT,Mumbai University
- **B.E. (Computer Science & Engineering)2003**
TPCT'S COE, B.A.M.U., Maharashtra

Short Biodata:

Dignified Computer Engineering professor with an established following and thorough discipline with a passion for ensuring the academic integrity of the institution and achieving tenure through administrative service

Citation Analysis:

71 citations (h-index 6, i10-index 1) in google scholar

<https://scholar.google.com/citations?user=DPkaO7EAAAAJ&hl=en&authuser=2>

13 Articles- 7 citations (h-index 2) in scopus

<https://www.scopus.com/authid/detail.uri?authorId=57820713300>

List of Publication:

Journal Publications:

1. A paper entitled ” *Conglomerate Crop Recommendation by using Multi-label Learning via Ensemble Supervised Clustering Techniques*” is published in Scopus journal International Research Journal of Multidisciplinary Technovation, april-2024.
2. A paper entitled” *Gesture Controlled Virtual Mouse with Voice Assistant*” is published in Scopus journal International Research Journal of Multidisciplinary Scope, Jan-2024.
3. A paper entitled” *Using a Clustering Algorithm and a Transform Function, Identify Forged Images*” is published in Scopus journal International Research Journal of Multidisciplinary Scope, Jan-2024.

4. A paper entitled” *Modified Deep Q Optimizer with Updated SARSA for Improving Learning Efficiency through Optimum Resource Utilization in Reinforcement Learning*” is published in Scopus journal Intelligent System and Applications in Engineering, Jan-2024.
5. A paper entitled” *Machine Learning based Forest Fire Prediction: A Comparative Approach*” is published in Scopus journal International Research Journal of Multidisciplinary Technovation, Jan-2024.
6. A paper entitled” *A Novel Approach for Iris Recognition System Using Genetic Algorithm*” is published in Scopus journal Journal of Artificial Intelligence and Technology, Dec-2023.
7. A paper entitled ” *A Machine Learning Approach for Phishing Attack Detection*” is accepted in Scopus journal Journal of Artificial Intelligence and Technology, april-2023.
8. A paper entitled ” *Impact of COVID-19 related Stress on Glycaemic control in Patients with Type-2 Diabetes Mellitus*” is published in Scopus journal Journal of Health Science and Surveillance System(Shiraz University of Medical Science,Iran) Vol-10,Issue-4 October 2022.
9. A paper entitled “*Impact of Lifestyle Parameters for Type 2 Diabetes Prediction: A Machine Learning paradigm*” is published in International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol-11, Issue-4, April-2022.
10. A paper entitled “*Cloud-based Storage System with Voice Assistance*” is published in YMER, ISSN: 0044-0477, Vol-11, Issue-11, Nov-2022.
11. A paper entitled “*Cloud based storage system like dropbox*” is published in International Research Journal of Modernization in Engineering Technology and Science. ISSN: 2582-5208, Vol. 2 Issue 6 Jan -2020.
12. A paper entitled “*Diabetes Disease Prediction Using Machine Learning*” is published in International Journal of Research in Engineering, Science and Management, e-ISSN: 2581-5792,Vol: 03 Issue: 06 June-2020.
13. A paper entitled “*Automated image analysis for accurate diagnosis of malaria using machine learning: a proposed system*” is published in Journal of Analysis and Computation,. ISSN: 0973-2861,Vol. 12 Issue 1 2019.
14. A paper entitled “*Image Segmentation to Differentiate Blood Cell Affected with Acute Leukemia*” is published in JASC. ISSN: 1076-5131, Vol. 6 Issue 2 Feb-2019.
15. A paper entitled “*Survey on machine learning algorithm based disease prediction*” is published in IJMTE, ISSN: 2249-7455 Vol. 9 Issue 2 Feb-2019.

16. A Paper entitled “*Assistive technology using IoT for physically disabled people*” is published in in Scopus journal Journal of International Journal. of Innovative Technology and Exploring Engineering, e-ISSN: 2278-3075, Vol: 08 Issue: 07, May-2019.
17. A paper entitled “*Comprative Study and Analysis of Object Detection using R-CNN*” is published in International Journal of Soft Computing and Engineering. ISSN: 2231-2307, Vol. 9 Issue 1 May 2019.
18. A paper entitled “*Assessment of Risk of Type 2 Diabetes Mellitus With Stress as a Risk Factor Using Classification Algorithms*” is published in Scopus journal International Journal of Recent Technology and Engineering(IJRTE) Vol-8,Issue-4 November 2019.
19. A paper entitled “*Comprehensive comparative analysis of methods for crime rate prediction*” is published in International Research Journal of Engineering and Technology, ISSN (Online): 2395-0056, Vol. 5, Issue 2, Feb-2018,.
20. A paper entitled “*Automated question paper generator with data leakage prevention*” is published International Journal of Technical Research and Applications. ISSN: 2320-8163, Vol. 6 Issue 2 March 2018.
21. A paper entitled “*Different Data Mining Techniques for Weather Prediction*” is published in International Research Journal of Engineering and Technology, ISSN (Online): 2395-0056, Vol. 5, Issue 3, Mar-2018.
22. A paper entitled “*Crime rate prediction using data clustering algorithms*” is published International Research Journal of Engineering and Technology, ISSN (Online): 2395-0056, Vol. 5, Issue 11, Nov-2018.
23. A paper entitled “*Analysis of Energy Routing Protocol with Power Consumption Optimization in MANET*” is published in International Journal of Engineering and Management Research. ISSN: 2250-0758, Vol. 7 Issue 1 Feb 2017.
24. A paper entitled “*Use of information technology in healthcare sector for improving outcomes.*” is published in International Journal of Basic & Clinical Pharmacology, ISSN NO 2279-0780, Vol. 3, Issue 2, April-2014.

Conference Publications:

25. A paper entitled,” *Alzheimer’s Disease Detection Using Resnet*” presented in Intelligent Computing for Sustainable Development (ICICSD 2023)[Springer, CCIS indexed Springer, Scopus Indexed]
26. A paper entitled,” *Performance Evaluation of Machine Learning Classifiers for Prediction of Type 2 Diabetes using Stress Related Parameters*” presented in International Conference on

Data Science, Computation and Security (IDSCS 2022)[Springer, LNNS indexed in ISI Proceedings, Scopus Indexed]

27. A paper entitled, "*AURA—Your Virtual Assistant, at Your Service*" presented in International Conference on Computational Intelligence in Machine Learning (ICCIML 2022)[Springer, LNEE indexed in ISI Proceedings, Scopus Indexed]
28. A paper entitled, "*Performance Evaluation of Machine Learning Classifiers for Prediction of Type 2 Diabetes using Stress Related Parameters*" presented in International Conference on Data Science, Computation and Security (IDSCS 2022)[Springer, LNNS indexed in ISI Proceedings, Scopus Indexed]
29. A paper entitled "*Classification and Prediction of Heart Disease: A Machine Learning Approach*" is published in SCRS Conference Proceedings on Intelligent Systems 2021
30. A paper entitled "*Performance Evaluation of different stress factors for Type-2 Diabetes Mellitus using Logistic Regression Model*" published in the International conference on Intelligent Computing and Networking (IC-ICN-2020)Feb- 2020
31. A paper entitled, "*Comprehensive Comparative analysis of methods for data leakage prevention*", presented in EQUINOX-2017.
32. A paper entitled "*Acute Leukemia blast counting using RGB, HSI color spaces*" is published in International Conference in Computational Intelligence, 2011.

Book Chapter:

1. A chapter entitled, "*Machine learning in healthcare: Applications, current status and future prospectus*", *Handbook of Research on Machine Learning*" published in Apple Academic Press, CRC Press, Taylor & Francis Group (2022) (ISBN- 9781774638682)
2. A chapter entitled, "*Scope of Machine Learning and Blockchain in Cyber Security*", *Intelligent Approaches to Cyber Security*, available in CRC Press, Taylor & Francis Group (Sept-18/2023) (ISBN- 9781032521619)

Patent:

1. "*Type 2 diabetes prediction using Improved Ensemble Learning Dimensionality Reduction*" Indian patent application number 202221005490 dated March 4, 2022.
2. "*AN IOT BASED DIGITAL AUTO VENDING FILE PROCESSING SYSTEM*" Indian patent application number 202321031427 dated May 3, 2023.

Copyright:

1. “*Mathematical model for Diabe_Lifestyle*” L-116682/2022. (5/7/2022)

Software Tools:

1. Python, Java, Star, UML,SQL, Turbo C,C++

Professional Association:

- Indian Society of Technical Education (ISTE) - Life Member

Experience (20 years):

- **Lecturer** at Dr.D.Y.Patil Polytechnic from Feb 2004 to Aug 2005
- **Assistant Professor** at Terna Engineering College from Aug 2005 to till date

Responsibilities Handled:

- Examination Incharge
- Class Advisor
- Faculty development committee member
- STTP coordinator

SESSION CHAIR/JUDGE:

1. AVALON-2014
2. AVALON-2013

Declaration

I hereby declare that the foregoing information is correct and complete to the best of my knowledge.

Rohini Anant Patil

Place: Navi Mumbai