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

**Assistant Professor**
**Email:** rohinipatil@ternaengg.ac.in

**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:**

**104 citations (h-index 6, i10-index 3) in google scholar**
https://scholar.google.com/citations?user=DPkaO7EAAAAJ&hl=en

**15 Articles- 22 citations (h-index 2) in scopus**
https://www.scopus.com/authid/detail.uri?authorId=57820713300

**List of Publication:**

**Journal Publications:**

1. A paper entitled *"Efficient model for cotton plant health monitoring via YOLO-based disease prediction"* Indonesian Journal of Electrical Engineering and Computer Science, vol. 37,no.1, pp. 164-178, Jan. 2025.

2. A paper entitled *"A Framework for Prediction of Type II Diabetes through Ensemble Stacking Model"*, J.electron.electromedical.eng.med.inform, vol. 6, no. 4, pp. 459-466, Sep. 2024.

3. 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.

4. A paper entitled" ***Gesture Controlled Virtual Mouse with Voice Assistant*** " is published in Scopus journal International Research Journal of Multidisciplinary Scope, Jan-2024.

5. 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.

6. 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.

7. 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.

8. 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.

9. A paper entitled " ***A Machine Learning Approach for Phishing Attack Detection*** " is accepted in Scopus journal Journal of Artificial Intelligence and Technology, april-2023.

10. 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.

11. 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.

12. A paper entitled ***"Cloud-based Storage System with Voice Assistance"*** is published in YMER, ISSN: 0044-0477, Vol-11, Issue-11, Nov-2022.

13. 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.

14. 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.

15. 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.

16. 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.

17. A paper entitled "*Survey on machine learning algorithm based disease prediction*" is published in IJMTE, ISSN: 2249-7455 Vol. 9 Issue 2 Feb-2019.

18. 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.

19. 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.

20. 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.

21. 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,.

22. 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.

23. 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.

24. 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.

25. 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.

26. 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**:

27. A paper entitled," *Alzheimer's Disease Detection Using Resnet*" presented in Intelligent Computing for Sustainable Development (ICICSD 2023)[Springer, CCIS indexed Springer, 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," *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]

30. A paper entitled "*Classification and Prediction of Heart Disease: A Machine Learning Approach*" is published in SCRS Conference Proceedings on Intelligent Systems 2021

31. 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

32. A paper entitled,"*Comprehensive Comparative analysis of methods for data leakage prevention",* presented in EQUINOX-2017.

33. 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 published, application number 202221005490 dated March 4,

2022.

2. ***"An IOT based digital auto vending file processing system"*** Indian patent published,application number 202321031427 dated May 3, 2023.

3. "**Industrial Robot**",U K Patent Granted, application number 6295098.00 dated July 20,2023

4. "**AI-Enabled Aquaculture Fish Disease Prediction Device**",U K Patent Granted, application number 6304592 dated August 31,2023.

5. ***"IoT based Rechargeable Non-Invasive Portable Cryolipolysis Machine"*** Indian patent granted application number 436992-001 dated Nov 11, 2024.

6. "**Machine learning Based Arsine Gas Detector with Alarm**", Indian design patent, filed application number 447525-001, dated Feb 10,2025.

**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 (21years):**

➤**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