

CURRICULUM VITAE

Dr. Virendra Ramesh Koli

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Professional Qualification:

- **PhD - Electronics and Communication (IoT, Machine Learning), 2024**
- **Master of Technology VLSI Technology, 2012**
- **Bachelor of Electronics and Telecommunication Engineering,**
- **HSC Science 2005,**

Patents: 9

Granted patent: 3

Reviewer:

Science Publications ([Home | Science Publications \(thescipub.com\)](http://thescipub.com))

Major Subjects:

- Big Data Analytics
- Cloud Computing and Security
- Digital VLSI design
- NLP

List of Publications:

1. Blood Banking Via Cloud Computing Using Machine Learning Tracking The Blood Donor Location At Real-Time , **VR Koli**, S Garg, SK Choudhary - Harbin Gongye Daxue Xuebao/Journal of Harbin, 2022.
2. **V Koli**, S Garg, SK Choudhary “Live Reporting and Monitoring of Intelligence Infant Disease Prediction” Computer Integrated Manufacturing Systems, 2022.
3. Ankita Ramtirthkar, Jyothi Digge, **V.R.Koli** “Iot based Healthcare System for Coma Patient” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958 (Online), Volume-9 Issue-3, February 2020 ,
4. Suman Kumar Choudhary, Dr. Sandeep Garg, **Virendra Koli** “Continuous Diabetic Patient Monitoring and

Predictive System using Machine Learning and IOT”, Journal of Technology, 2024.

5. Swati Bairagi, Suman Kumar Choudhary, **Virendra Ramesh Koli**, “ Characterization And Simulation Of Sige Mosfet”, International Journal of Electrical, Electronics and Data Communication (IJEEDC)-IJEEDC, Volume-3, Issue-1 (Jan, 2015).
6. Alka Khade, Mahadu Trimukhe, Shubhangi Verulkar, and Rajiv K. Gupta, “Miniaturization of Printed Rectangular Monopole Antenna by using Slots for Triple Band Applications,” Progress In Electromagnetics Research C, Vol. 130, 155-167, 2023.
7. Ankita Ramtirthkar1 , Prof.V.R.Koli, ” Survey on Routing Ad-hoc networks MANET”, IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719.

STTP & Workshops Attended

1. STTP Attended “Embedded System & Real Time Programming” July 11-15, 2011, TEC, Nerul.
2. STTP Attended “Wireless Communication” July 2012, TEC, Nerul.
3. One-day Workshop on “Wireless Networks” at Terna Engineering College in association with TeleNetworks Technologies on 21 Sept. 2017.
4. Two days workshop on “Effective Research Methodology” from 5th January 2018 to 6th January 2018 at Terna Engineering College, Nerul, Navi Mumbai
5. One-day Workshop on “Intellectual Property Rights” on 4th August 2018 at Terna Engineering College, Nerul, Navi Mumbai.
6. Participated in the Inauguration function of Lotfi Zadeh Center of Excellence Health Sciences and Technology on Sept. 26, 2018, organized by Terna Research Society, Terna Campus, Nerul, Navi Mumbai.
7. A one-day workshop on “MATLAB simulation” on 3rd January 2019, EXTC department at Terna Engineering College, Nerul, Navi Mumbai.
8. Four days workshop on “Network Associate” at Terna Engineering College in association with TeleNetworks Technologies on 07-10 Feb.2019.
9. A five-day workshop on “Cyber Security and Laws” at Terna Engineering College, association with TeleNetworks Technologies on Sept. 13-17, 2019.
10. Participated in a one-week online FDP on “Python 3.4.3” by Spoken Tutorial Project, IIT, Bombay from 25th April – 30th April 2020 remotely at Sinhgad Institute of Technology, Lonavala.
11. Passed an online “Python 3.4.3” exam conducted remotely at IIT, Bombay (Spoken Tutorial) on 08th May 2020.
12. Participated in online one-week FDP on “Research Funding Projects and IPR” organized by K. C. College of Engineering and Management Studies and Research, Thane, from 07th May – 10th May 2020.

13. Attended a one-week workshop on “Cyber Security Awareness” organized by the Department of Electronics and Telecommunication Engineering, Terna Engineering College, Nerul from 07-11 Oct 2022 association with Tele Networks Technology Private Limited.
14. AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI in Supply Chain Management of Agriculture Produce’ at THADOMAL SHAHANI ENGINEERING COLLEGE from 08/01/2024 to 13/01/2024.
15. AICTE Training And Learning (ATAL) Academy Faculty Development Program on Crystal Growth, Semiconductor Processing and Manufacturing Technologies at Indian Institute of Technology (Indian School of Mines) Dhanbad from 16/12/2024 to 21/12/2024.

Online Webinars Attended:

1. Attended online “Turnitin online demonstration” organized by Terna Engineering College, Nerul dated 20 April 2020.
2. Attended Webinar on “Unlimited Mind Power” on 16th May 2020, organized by the Department of Electronics, SNDT Woman University, Premlila Vithaldas Polytechnic.
3. Attended Webinar on “Future Effective Learning Techniques” on 21st May 2020, organized by Sinhgad Institute of Technology, Lonavala, Pune.
4. Attended Four days Webinar series on “Research, Technology Trends in Digital Future and Media Responsibility during Pandemic” on 17th - 24th May 2020, organized by Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar.
5. Attended Two days Webinar series on “Recent Trends in Microwave Engineering and Internet of Things” held on 06th – 7th June 2020, organized by D. J. Sanghvi College of Engineering, Mumbai.
6. Attended online International Webinar on “Photonics Crystal Fiber and its Application” on 29th June 2020, organized by EXTC, ELX and Optiwave Canada, Terna Engineering College, Nerul.

Funding Received: 40000/-

Name of Funding Organization: University of Mumbai (Minor Research)

Amount Awarded: 40000/-

Period of Grant Award: 12 Months (2018-19)

Title of Project: Smart Healthcare System.

Role on Project: Principal Investigator

Software Tools:

1. MATLAB

2. Python

Professional Association:

- Institute of Electrical and Electronics Engineers (IEEE)-Member
- Indian Society of Technical Education (ISTE) - Life Member

Experience: Total Experience : 14.0 Years

- 1. Currently working as Assistant Professor** University of Mumbai Approved Experience at Terna Engineering College, Nerul Navi Mumbai
1st June 2013- 31st Jan 2022: Assistance Professor (Grade Pay 6000/-)
1st Feb 2022- till date: Assistance Professor (Grade Pay 7000/-)
- 2. 2.3 years,** Suman Education Trust Driems Neral Assistant Professor
- 3. 0.6 years** B. L . Patil Polytechnic Khopoli **Lecturer**

Responsibilities Handled:

- Member Anti-Ragging committee since 2015.
- Teaching Assistance “Control System” Workshop Conducted by IITKP in 2015.
- Teaching Assistance “Signals System” Workshop Conducted by IITKP in 2013.
- Coordinator Avalon-2017 National Level Technical Fest- 2017.
- Publicity Committee Coordinator (Equinox-2017,2018,2019,2021) National Level Conference, TEC, Nerul, Navi Mumbai
- Committee Member Various STTP in TEC, Nerul
- NBA and NAAC Departmental Coordinator since 2017
- University, TE (EXTC) Online Exam Co-Ordinator AY-2020.
- University, DSE (EXTC) Online Exam Co-Ordinator AY-2020.
- University, ME (EXTC) Online Exam Co-Ordinator AY-2020
- University, TE (EXTC) Online Exam Co-Ordinator AY-2021.
- University, DSE (EXTC) Online Exam Co-Ordinator AY-2021.
- University, ME (EXTC) Online Exam Co-Ordinator AY-2021.
- Worked as CO PO and PSO Feedback Coordinator Since 2017.
- Optical Communication and Microwave Lab in charge since 2017.
- Worked as Co-Academic Program Coordinator A.Y. 2015.
- Worked as Exam Coordinator A. Y. 2016-2017.

Talks/Guest Lectures Delivered:

1. Invited Lecture on “VLSI Design” at Padmabhushan Vasantdada Patil Pratishthan's College of Engineering Mumbai.
2. Invited Lecture on “Telecommunication” at Datta Meghe College of Engineering Airoli Navi Mumbai.

SESSION CHAIR/JUDGE:

1. Judge Avalon-2018 National Level Technical Fest- 2018, TEC, Nerul
2. Judge Technical paper presentation, Avalon-2018 National Level Technical Fest- 2018, TEC, Nerul

Declaration

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

Virendra Ramesh Koli

Place: Navi Mumbai