Saurabh Tejpal

Assistant Professor

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Address for Correspondence:

Flat No. 803, Om Harmony, Sector 10, Kharghar, Navi Mumbai-410206

Professional Qualification:

- ☐ **Pursuing PhD in Deep Learning, 2021**
- ☐ **Master of Technology Microwave, 2010**

  Department of Electronics & Communication Singhania University Rajasthan

- ☐ **Bachelor of Electronics and Telecommunication Engineering, 2006**

  RIEIT, Chandigarh, Punjab

Patents filed: 03 Patents

Patents Granted: 02 Patents

Products Developed: No

Consultancy Projects: No

Major Subjects:

- ☐ Database Management System
- ☐ Big Data Analytics
- ☐ Natural Language Processing
- ☐ Digital Signal Processing
- ☐ Microcontrollers

List of Publications:

1. Develop IOT Technology to scale up existing treatment options to provide a healthcare solution, High Technology Letters, ISSN No: 1006-6748, Impact Factor: 2.7, Peer Review, International Journal.

2. IoT FOR PERSONALISED HEALTHCARE SERVICES USING CLUSTER AIDED MACHINE LEARNING, Journal of Environmental Protection and Ecology 25(5) (2024) Pages: 1638-1648

3. Unified Deep Learning Framework Integrating CNNs and Vision Transformers for Efficient and Scalable Solutions Proceedings of the 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)

STTP & Workshops Attended

1. ATAL FDP on "AI in Supply Chain Management of Agriculture Produce" at **TSEC, Bandra** from 8th January to 13th January 2024.

2. NITTRC FDP on "AI/ML and Data Science for Industry 4.0 (Advanced Level) from 26th February to 1st March 2024.

3. Successfully completed "Python Developer" course from **Sololearn** in April 2024

4. Attended Infocomm India Summit 2024 co-organized by ICT Academy at the Jio **World Convention Centre** on 4th September 2024.

5. FDP IP MAXIMA 2023 "IPR Awareness for Maximum Research" by In-TEC in association with IMMT Bhubaneshwar from December 11-16 2023.

6. Faculty Orientation Program on "Natural Language Processing" by **Fr C Rodrigues Vashi** on 9th January 2023.

7. FDP Attended "Microsoft Azure Data Fundamentals" February 28th to March 4th, 2022, ICT Acedemy.

8. STTP Attended "Wireless Communication" July 2012, TEC, Nerul.

9. Successfully Completed "Learnathon 2022"in association with ICT Academy from August 2022 to October 2022.

10. One month Course successfully completed on "Mastering Natural Language Processing with Python" in November 2022 from Infosys Springboard.

11. STTP on "Internet of Things & its Applications in Industry" by RAIT, Navi Mumbai from June 8-12, 2020.

12. STTP on "Signal Analysis, Machine Learning & its Applications using Python and Matlab" by RAIT, Navi Mumbai from June 1-5, 2020.

13. STTP on "Latex for Everyone" by RAIT, Navi Mumbai from June 18-20, 2020.

14. One-day Workshop on "Intellectual Property Rights" on 4th August 2018 at Terna Engineering College, Nerul, Navi Mumbai.

15. 8 weeks course on "Introduction to Programming with Matlab" by Coursera successfully completed on 1st June 2020.

16. A one-day workshop on "MATLAB simulation" on 3rd January 2019, EXTC department at Terna Engineering College, Nerul, Navi Mumbai.

17. Four days workshop on "Network Associate" at Terna Engineering College in association with TeleNetworks Technologies on 07-10 Feb.2019.

18. A five-day workshop on "Cyber Security and Laws" at Terna Engineering College, association with TeleNetworks Technologies on Sept. 13-17, 2019.

19. 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 Sinhagad Institute of Technology, Lonavala.

20. Passed an online "Python 3.4.3" exam conducted remotely at IIT, Bombay (Spoken Tutorial) on 08th May 2020.

21. 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.

22. 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.

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 $06^{th} - 7^{th}$ 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.

Software Tools:

1. SQL (Dbeaver)
2. MATLAB
3. Python
4. NOSQL (MongoDB)

Professional Association:

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

Experience:

☐ **12 years**, the University of Mumbai at Terna Engineering College, Nerul Navi Mumbai

Responsibilities Handled:

☐ Training Incharge, TEC since August 2024
☐ ICT Coordinator since August 2024
☐ Training Coordinator, EXTC since 2016
☐ Placement Coordinator, EXTC since 2016
☐ Internship Coordinator, EXTC since 2021
☐ Matlab Coordinator, EXTC since 2020
☐ Class Advisor, EXTC since 2016
☐ Students Mentor, EXTC since 2016
☐ Department Elective Coordinator, EXTC since 2021
☐ Academic Advisory Board Meet Coordinator since 2014
☐ Electronics Club Incharge
☐ Committee Member Various STTP in TEC, Nerul
☐ NBA and NAAC Departmental Co-Coordinator since 2017

- ☐ University, TE (EXTC) Online Exam Co-Ordinator AY-2020.
- ☐ University, DSE (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.
- ☐ Worked as Co-Academic Program Coordinator A.Y. 2015.

Talks/Guest Lectures Delivered:

Invited Lecture on "Microcontrollers 8051" in Information Technology Department, Terna Engineering College, Navi Mumbai.

Declaration

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

Saurabh Tejpal

Place: Navi Mumbai