Name of Teaching Staff	Dr. Vivian Brian Lobo	
Designation	Assistant Professor	
Department	Computer Engineering	
Date of Joining the Institution	1st January 2025	
Email ID	vivian.lobo@djsce.ac.in lobo.vivian27@gmail.com	
Professional Memberships	▪ Lifetime member of Indian Society for Technical Education (ISTE) [LM 129819] ▪ Lifetime member of International Association for Engineers (IAENG) [No. 276250]	
Profile Links	▪ Web of Science Profile: https://www.webofscience.com/wos/author/record/IWM-0204-2023 ▪ Scopus Author Profile: https://www.scopus.com/authid/detail.uri?authorId=57189244392 ▪ Google Scholar Profile: https://scholar.google.co.in/citations?user=fSQFgkUAAAAJ ▪ LinkedIn Profile: www.linkedin.com/in/vivian-brian-lobo-908a4956 ▪ Research Gate Profile: https://www.researchgate.net/profile/Vivian-Lobo?ev=hdr_xprf ▪ VIDWAN Profile: https://vidwan.inflibnet.ac.in/profile/397146 ▪ ORCID ID: https://orcid.org/0000-0003-3868-7330	
Area of Interest	Blockchain, Machine Learning, Deep Learning, Business Intelligence and Analytics, Computer Networks	

Qualifications with Class/Grade:
- Ph.D. (Information Technology) from Thadomal Shahani Engineering College (TSEC), Bandra, Mumbai (University of Mumbai) in November 2025.
- M.E. in Computer Engineering, St. Francis Institute of Technology, Borivali, Mumbai (2017) with 9.51 CGPI (University of Mumbai)
- B.E. in Information Technology, St. Francis Institute of Technology, Borivali, Mumbai (2013), First Class with Distinction (79%) (University of Mumbai).

Total Experience in Years: 10 Years
- Assistant Professor at Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai (from

January 2025 to till date).

- Assistant Professor at St. John College of Engineering and Management, Palghar (from June 2019 to December 2024).
- Assistant Professor at St. Francis Institute of Technology, Borivali, Mumbai (from January 2018 to June 2019).
- Senior Academic Research Editor at Crimson Interactive Pvt. Ltd., Goregaon, Mumbai (from June 2013 to December 2017).

Courses Taught:

U.G.	P.G.
Quantitative Analysis, Internet of Things (IoT), Artificial Intelligence, Cloud Computing, Python Programming, Machine Learning, Deep Learning, Computer Networks, Enterprise Resource Planning, Blockchain, Cryptography and System Security, Data Warehousing and Mining, Software Engineering, Web Intellgence, Object-Oriented Programming using Java, Data Analytics and Visualization, Structured Programming using C, C++, Internet of Everything (IoE), Data Structures, Advanced Database Management System, Analysis of Algorithm, Economics and Financial Management	**(M.Tech in Computer Engineering)** • Algorithms and Complexity • Computational Intelligence • Blockchain Technologies • Exploratory Data Analytics and Visualization • Cloud Computing • Skill-based Laboratories I & II

Projects Guided:
- M.E. (P.G.) Projects: 02
- B.E. (U.G.) Projects: 30+

Certification and Courses Completed:
 NPTEL

*Recognized as an **NPTEL Discipline Star in Computer Science and Engineering** for Jan-April 2023 by NPTEL.*

1. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Software Engineering** (IIT Kharagpur) (73% - Elite + Topper 5%) [Jul-Oct 2025].
2. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Business Intelligence & Analytics** (IIT Madras) (79% - Elite + Silver) [Jan-April 2025].
3. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Learning Analytics Tools** (IIT Bombay) (68% - Elite) [Jul-Oct 2024].
4. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Natural Language Processing** (IIT Kharagpur) (51%) [Jan-April 2024].
5. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Machine Learning and Deep Learning-Fundamentals and Applications** (IIT- Guwahati) (63% - Elite) [Jul-Oct 2023].
6. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Data Analytics with Python** (IIT-Roorkee) (84% - Elite + Silver) [Jan-April 2023].
7. Completed National Programme on Technology Enhanced Learning (NPTEL) 8-week course on **Business Analytics & Text Mining Modeling using Python** (IIT-Roorkee) (73% - Elite) [Jul-Sep 2022].

8. Completed National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Blockchain and its Applications** (60% - Elite) (IIT Kharagpur) [Jan-Apr 2022].

9. Completed National Programme on Technology Enhanced Learning (NPTEL) 4-week course on **Python for Data Science** (IIT-Madras) (78% - Elite + Silver) [Jan-Feb 2021].

10. Completed National Programme on Technology Enhanced Learning (NPTEL) 8-week course on **Introduction to Research** (IIT Madras) (72% - Elite) [Aug-Oct 2021].

11. Completed a National Programme on Technology Enhanced Learning (NPTEL) 8-week course on **Practical Machine Learning with Tensorflow** (IIT Madras) (52% - Successfully Completed) [Sep-Nov 2020]

12. Completed a National Programme on Technology Enhanced Learning (NPTEL) 8-week course on **Cloud Computing** (IIT Kharagpur) (71% - Elite) [Aug-Oct 2019].

13. Completed a National Programme on Technology Enhanced Learning (NPTEL) 8-week course on **Deep Learning** (IIT Madras) (65% - Elite) [Jul-Oct 2019].

14. Completed a National Programme on Technology Enhanced Learning (NPTEL) 12-week course on **Blockchain Architecture Design and Use Cases** (IIT Kharagpur) (63% - Elite) [Jul-Oct 2018].

Google

15. Completed a Google Digital Garage certification on Fundamentals **of Digital Marketing** on June 19, 2020.

Coursera

16. Completed a Coursera course on **Programming for Everybody (Getting Started with Python)** on June 16, 2020.

17. Completed a Coursera course on **Blockchain Basics** on June 1, 2020.

Udemy

18. Completed Udemy course on **Tableau 2020: A-Z Hands-on Tableau Training for Data Science** on April 24, 2021.

IBM and edX certification

19. Completed an edX certification course on **ML0101EN: Machine Learning with Python: A Practical Introduction** on June 20, 2020.

20. Completed a Cognitive Class (An IBM initiative) course on **Blockchain Essentials** on April 21, 2020.

21. Completed a Cognitive Class (An IBM initiative) course on **Python 101 for Data Science** on April 22, 2020.

Research paper publication (Total: 42 Publications)

Journals (National and International):

1. Pallavi S. Bangare, Dr. Yogita Mane, **Vivian Brian Lobo**, and Devyani J. Bonde, "A Machine Learning Approach for Predicting Success Rates of Root Canal Treatments", *Indian Journal of Technical Education (IJTE)*, published by the *Indian Society for Technical Education (ISTE)*, vol. 48, no. 1, May 2025, https://lnkd.in/dXv7Wz94

2. Shraddha S. More, **Vivian Brian Lobo**, Anita Chaudhari, Aditya Pandey, Bhavesh Kumavat, Yash Kamble, "Enhancing Image Forgery Detection with Convolutional Neural Networks and Error Level Analysis," *Journal of Information Systems Engineering and Management*, vol. 10 No. 27s (2025).

3. More, Shraddha S., Neeta Patil, **Vivian Brian Lobo**, Nikhil Shet, Dhruv Goswami, and Praful Rane. "Empowering the Visually Impaired: YOLOv8-based Object Detection in Android Applications." *Procedia Computer Science* 252 (2025): 457-469.

4. **Vivian Brian Lobo**, Hamza Khan, Vandini Sharma, Arati Vinayak Deshpande, Dinesh Goyal, Anil Kumar, "Blockchain-Based Supply Chain Security: Mitigating Fraud and Cyber Attacks", Computer Fraud and Security, ISSN (online): 1873-7056, vol. 2024, no. 8, 2024, pp.14-20, DOI: https://doi.org/10.52710/cfs.43

5. **Vivian Brian Lobo** and Dr. Madhuri Rao, "Modelling the Process of Building Digital Security in Commodity Markets using Blockchain through Systems Approach", *International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC)*, ISSN: 2321-8169, pp. 254-263, DOI: https://doi.org/10.17762/ijritcc.v11i11.9389.

6. **Vivian Brian Lobo** and Dr. Madhuri Rao, "Validating a Blockchain Technology-Based System in Commodity Markets: A Measurement and Structural Model Assessment-Based Approach", *Journal of Information Systems Engineering and Management (JISEM)*, vol. 10, no. 13s, pp. 619-636, January 2025, DOI: https://doi.org/10.52783/jisem.v10i13s.2116

7. Nazneen Ansari, **Vivian Brian Lobo**, Hycinta Andrat, and Vaibhav Narawade. "Improving Computer Games Marketing Using Classification." *Studies in Indian Place Names (SIPN) (UGC CARE Journal)*, 40, no. 68: 447-452, March 30, 2020.

8. Sahil Rajendrakumar Raut, Shraddha Somnath Pawar, Nazneen Ansari, **Vivian Brian Lobo**, Vaibhav Kala, Snehal Dmello, Elizabeth George, Placement Data Anatomization Using Tableau, *International Conference on Efficacy of Software Tools for Mathematical Modeling (ICESTMM'19), International Journal of Research and Analytical Reviews (IJRAR)*, Special Issue, UGC Approved: 43602, e ISSN 2348 –1269, Print ISSN 2349-5138, April 19-20, 2019, pp. 221-225.

9. **Vivian Brian Lobo**, Nazneen Ansari, Annies Minu, Sehba Siddiqui, Flevina D'souza, Jeba Sangeetha Augestin, Smartphone Selection using Analytic Hierarchy Process, *International Journal of Engineering and Advanced Technology (IJEAT)*, vol. 6, no. 1, ISSN: 2249-8958, October 2016, pp. 99-105.

10. **V. Lobo**, N. Ansari, B. Alengadan, P. Gharat, E. Jacob and P. Mishra, Location Selection for a Company using Analytic Hierarchy Process, *International Journal of Advanced Research in Computer and Communication Engineering*, vol. 5, no. 10, October 2016, DOI: 10.17148/IJARCCE.2016.51039189

11. **Vivian Brian Lobo**, Flevina D'souza, Pooja Gharat, Edwina Jacob, and Jeba Sangeetha Augestin, Determining an Optimal Parenthesization of a Matrix Chain Product using Dynamic Programming, *International Journal of Computer Science and Information Technologies (IJCSIT)*, vol. 7, no. 2, ISSN: 0975-9646, 2016, pp. 786-792.

12. **Lobo, Vivian Brian**, Sehba Siddiqui, Nazneen Ansari, Ibtisam Mogul. Web-based Automated Time and Effort Tracking Software for a Software Project. *International Journal of Advanced Research in Computer Science*, vol. 7, no. 1, 2016.

Conferences (National and International):

1. **Vivian Brian Lobo**, Shraddha More, Shubham Gaikwad, Pauras Raut, Ninad Rane, Harsh Pashte and Caston Fernandes, "A Mental Health Analysis System for Self-Evaluation using Machine Learning", *16ᵗʰ International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT 2025)*, July 6-11, 2025.

2. **Vivian Brian Lobo** and Dr. Madhuri Rao, "An Empirical Study on Blockchain Technology-Enabled Systems in Commodity Markets", *IEEE International Conference on Emerging Trends in Engineering and Medical Sciences (ICETEMS 2022)*, pp. 232-237, November 18 to 19, 2022, DOI: 10.1109/ICETEMS56252.2022.10093567.

3. **Vivian Brian Lobo** and Dr. Madhuri Rao, "A Conceptual Framework for Building Robust Blockchain Technology-Enabled Business Processes in Commodity Markets: A Systems Approach", *In: Senjyu, T., So–In, C., Joshi, A. (eds) Smart Trends in Computing and Communications (SmartCom) 2024.* Lecture Notes in Networks and Systems, vol 945. pp. 159-169, Springer, Singapore. https://doi.org/10.1007/978-981-97-1320-2_14

4. **Vivian Brian Lobo**, Shraddha More, Samrudhi Motling, Shruti Naik, Neha Naik, and Rohini Rana. "Doctors' Handwriting Interpretation using Deep Learning," *International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)*, (November 15, 2024) (2024).

5. Devika Babrekar, Darsh Patel, Sachin Patkar,and **Vivian Brian Lobo**, "Blockchain-based Digital Locker using BigChainDB and InterPlanetary File System," *6thInternational Conference on Communication and Electronics Systems (ICCES) 2021*, IEEE, pp. 962-968, July 8 to 10, 2021.

6. Bhatt, Neel, Pratiksha Laldas, and **Vivian Brian Lobo**, "A real-time traffic sign detection and recognition system on hybrid dataset using CNN." In *2022 7th International Conference on Communication and Electronics Systems (ICCES)*, pp. 1354-1358. IEEE, 2022.

7. Patil, Swaraj, Omkar Nikam, Suryakrishnan Nair, Aniket Raut, and **Vivian Brian Lobo**, "Sustainable food waste management and tracking system using blockchain." In *2023 International Conference on Advancement in Computation & Computer Technologies (InCACCT)*, pp. 848-853. IEEE, 2023.

8. Agrawal, Nidhi, Himanshu Kushwaha, Saujanya Shetty, and **Vivian Brian Lobo**, "A System to Detect Fake Products using Blockchain Technology", In *2022 7th International Conference on Communication and Electronics Systems (ICCES)*, pp. 874-878. IEEE, 2022.

9. Naik, Kavya N., Arnica R. Patil, Kinnari N. Patil, Vaidehi R. Sankhe, Shraddha S. More, and **Vivian Brian Lobo**, "A python-based grade converter application," In *2023 Second International Conference on Electronics and Renewable Systems (ICEARS)*, pp. 180-184. IEEE, 2023.

10. Singh, Aditya Vijaykumar, Ashwin Omprakash Tiwari, Shreyash Sanjay Singh, and **Vivian Brian Lobo**, "A criminal record keeper system using blockchain", In *2022 6th International Conference on Trends in Electronics and Informatics (ICOEI)*, pp. 840-845. IEEE, 2022.

11. Pal, Amit, Ashishkumar Tiwari, Amol Singh, Manishsingh Tanganiya, Rashmi Bhat, and **Vivian Brian Lobo**, "A Tour of a Technical and Educational Campus Using Virtual Reality", In *2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN)*, pp. 1578-1583. IEEE, 2023.

12. Ritik Dhedia, Nixon Paliakkara, Deepak Gupta, Vaibhav Sharma, and **Vivian Brian Lobo**, "Smart Agri-Farming on Satellite Imageries using Machine Learning," *6thInternational*

Conference on Communication and Electronics Systems (ICCES) 2021, IEEE, pp. 1359-1364, July 8 to 10, 2021.

13. Jayesh Patil, Vaibhav Patil, Dhaval Walavalkar, and **Vivian Brian Lobo**, "Road Accident Analysis and Hotspot Prediction using Clustering," *6thInternational Conference on Communication and Electronics Systems (ICCES) 2021*, IEEE, pp. 775-779, July 8 to 10, 2021.

14. Rishabh Bhatnagar, **Vivian Brian Lobo**, "Multihop Concurrent Big Data Sharing via Multithreading using Blockchain on a Decentralized Network," *2ndInternational Conference on Advances in Computing, Communication Control and Networking (ICACCCN)*, IEEE, pp. 1-6, December 18-19, 2020, DOI: 10.1109/ICACCCN51052.2020.9362977.

15. Jayesh Patil, Mandar Prabhu, Dhaval Walavalkar, **Vivian Brian Lobo**, "Road Accident Analysis using Machine Learning," *2020 IEEE Pune Section International Conference (PuneCon)*, IEEE, pp. 108-112, December 16-18, 2020, DOI: 10.1109/PuneCon50868.2020.9362403.

16. Arbaz Khan, Rishabh Bhatnagar, Vinit Masrani, **Vivian Brian Lobo**, "A Comparative Study on Solar Power Forecasting using Ensemble Learning," *4thInternational Conference on Trends in Electronics and Informatics (ICOEI 2020)*, IEEE, pp. 217-223, June 15-17, 2020, DOI: 10.1109/ICOEI48184.2020.9142884.

17. Shraddha More, **Vivian Brian Lobo**, Ronald Melwin Laban, Simran Panchal, Monika Patil, Gulshan Pathak, "Cancer Prediction and Insurance Eligibility using Machine Learning Techniques," *5thInternational Conference on Communication and Electronics Systems (ICCES 2020)*, IEEE, pp. 729-734, June 10-12, 2020, DOI: 10.1109/ICCES48766.2020.9137936.

18. **Vivian Brian Lobo**, Jetso Analin, Ronald Melwin Laban, and Shraddha S. More. "Convergence of Blockchain and Artificial Intelligence to Decentralize Healthcare Systems." *In 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC)*, pp. 925-931. IEEE, 2020, DOI: 10.1109/ICCMC48092.2020.ICCMC-000171.

19. Omkar Nikam, Shreyash Sanjay Singh, Swaraj Patil, Suryakrishnan Nair, Aniket Raut, **Vivian Brian Lobo**, Shraddha More, Ronald Laban, "A Machine Learning Prediction Model for Envisaging Future Risk of Suicide," *5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)*, January 20-21, 202.

20. Nupur Deshmukh, Rohit Kahar, Dipti Pangam, **Vivian Brian Lobo**, Dr. Rahul Khokale, "Intelligent Essay Scrutinizing System", *International Conference on Intelligent Computing and Networking (IC-ICN 2020)*, MULTICON 2020, pp. 1-3, February 28-29, 2020.

21. Vennis Shah, Karnika Padia, and **Vivian Brian Lobo**, Application of Blockchain Technology in Civil Registration Systems, IETE Springer International Conference on Blockchain Technology (IC-BCT 2019), Springer, Singapore, pp. 191-204, DOI: 10.1007/978-981-15-4542-9_16

22. Bhavesh Pandya, **Vivian Brian Lobo**, Al-anoud Alharbi, and Vaibhav Kala, Sentiment Analysis of Twitter Data to Predict the Performance of Movies, *International Conference on Intelligent Systems and Communication Networks (IC-ISCN)*, Multicon-W 2019, February 2019.

23. Umang Mavani, **Vivian Brian Lobo**, Aditi Pednekar, Naomi Christianne Pereira, Rupesh Mishra, Nazneen Ansari, Naïve Bayes Classification on Student Placement Data: A Comparative Study of Data Mining Tools *Third International Conference on ICT for Sustainable Development (ICT4SD) 2018*, Springer, August 30-31, 2018, DOI: https://doi.org/10.1007/978-981-13-7166-0_35.

24. Patil, Mrunmayi, **Vivian Brian Lobo**, Pranav Puranik, Aditi Pawaskar, Adarsh Pai, and Rupesh Mishra. A Proposed Model for Lifestyle Disease Prediction Using Support Vector Machine. *In 2018 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, pp. 1-6. IEEE, 2018, DOI: 10.1109/ICCCNT.2018.8493897.

25. Pereira, Naomi Christianne, Umang Mavani, Aditi Pednekar, and **Vivian Brian Lobo**. A Semester Grade Point Average Estimation System for Students Attaining Higher Schooling in Specialized Courses. *In 2018 2nd International Conference on Trends in Electronics and Informatics (ICOEI)*, pp. 499-504. IEEE, 2018, DOI: 10.1109/ICOEI.2018.8553751.

26. **Lobo, Vivian Brian**, and Nazneen Ansari. Recapitulization of tweets using graph-based clustering. *2017 2nd International Conference on Communication Systems, Computing and IT Applications (CSCITA)*. IEEE, 2017, DOI: 10.1109/CSCITA.2017.8066532.

27. **Lobo, Vivian Brian**, and Shamsuddin S. Khan. A review of devices using modern dietary assessment methods for reducing obesity. *In 2017 International Conference on Computing, Communication and Automation (ICCCA)*, pp. 222-227, IEEE, 2017, pp. 10.1109/CCAA.2017.8229804.

28. **Lobo, Vivian Brian**, Nazneen Ansari, and Rajkumar K. Shende. A proposed system for recapitulating tweets using graph-based clustering. *2016 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)*. IEEE, 2016, pp. 1-6, DOI: 10.1109/ICCIC.2016.7919667.

29. **Lobo, Vivian Brian**, Blety Babu Alengadan, Sehba Siddiqui, Annies Minu, and Nazneen Ansari. Traveling Salesman Problem for a Bidirectional Graph Using Dynamic Programming. *In 2016 International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE)*, pp. 127-132. IEEE, 2016, DOI: 10.1109/ICMETE.2016.26.

30. **Lobo, Vivian Brian**, and Nazneen Ansari. Multimedia enabled virtual classroom for distance education. *2015 International Conference on Green Computing and Internet of Things (ICGCIoT)*. IEEE, 2015, DOI: 10.1109/ICGCIoT.2015.7380722.

Patents:
1. Smart School Bus Monitoring System using IoT | Published on 28.02.2025 | Indian Patent.
2. A Systems Approach to Developing Robust Blockchain Technology-Enabled Business Processes in Commodity Markets | Published on 16.06.2023 | Indian Patent

Book Publication:
1. **"Blockchain and DLT"** for University of Mumbai | Semester VIII | B.E. (Information Technology) (Tech-Neo Publication) **ISBN: 978-93-5583-319-8**
2. **"Blockchain"** for University of Mumbai | Semester VII | B.E. (Computer Engineering) (Tech-Neo Publication) **ISBN: 978-93-5583-121-7**
3. **"Blockchain"** for Gujarat Technological University | Semester VII | B.E. (Information Technology) (Tech-Neo Publication) **ISBN: 978-9390904761**
4. **"Web Application Development"** for SPPU | Semester VI | T.E. (Information Technology) (Tech-Neo Publication) **ISBN: 978-93-5583-108-8**
5. **"Internet Programming"** for University of Mumbai | Semester V | T.E. (Computer Engineering) (Tech-Neo Publication) **ISBN:978-93-91472-55-9**
6. "Recapitulization of Tweets Using Graph based Clustering" | LAP LAMBERT Academic Publishing, Saarbrücken, Germany, January 2018 | **ISBN: 978-613-7-32116-4**

Interaction with Professional Institutions:
- Organized One-Week ISTE-approved Online Short Term Training Programme (STTP) on **Digital Twins: Driving Cyber Security and Innovation across Services** in the Department of Computer Engineering, DJSCE, Mumbai from January 19 to 24, 2026.
- Invited as a resource person for delivering a session on **Blockchain and its use cases: Experience the technology that is redefining trust and transforming industries in the**

digital era organized by DJSCE (ISACA Student Chapter) in the Dept. of CSE (ICB) at DJSCE, Mumbai on November 18, 2025.

- Invited as a resource person for delivering a session on **Blockchain Architecture, Design, and Use cases** at VIVA Institute of Technology, Virar on July 14, 2025.
- Invited as a resource person for delivering a session on **Blockchain Technology** at Universal College of Engineering, Vasai on September 20, 2024.
- Invited as a resource person for delivering a hands-on session on **"Smart Contract and Solidity Programming"** in IEEE Bombay Section sponsored FDP on "Secure and Sustainable Blockchain Development: Innovation for Next Web3" organized by K.J. Somaiya College of Engineering, Mumbai between July 1st and 5th, 2024.
- Invited as a resource person for delivering hands-on session on **Blockchain** at St. John College of Humanities and Sciences, Palghar on September 04, 2023.
- Invited as a resource person for delivering a workshop on **Blockchain** at VIVA Institute of Technology, Virar on September 12 and 13, 2023.
- Invited as a resource person for delivering a session on **Building Dapps using Hard Hat and Ether.js** at Datta Meghe College of Engineering, Mumbai on October 15, 2023.
- Invited as a resource person for an expert talk on **"Research Paper Writing"** for Third year diploma students at St. John College of Engineering and Management, Palghar on 28th August 2023.
- Invited as a Resource Person in **"Faculty Orientation Program"** for Revised Syllabus of B.E. Syllabus Sem VIII R-19 'C' Scheme on the Subject of "Blockchain and DLT" on January 2023 Organized by IT Dept., Xavier Institute of Engineering (XIE) on Behalf of University of Mumbai.
- Invited as a resource person for delivering sessions on **"Django"** in 30-Hours Value-added course on the topic **"Advances in Web Technology"** for third year students organized by St. Francis Institute of Technology, Borivali from December 13, 2022.
- Invited as a resource person for delivering session on **"Power BI"** for S.Y.B.Sc.I.T and T.Y.B.Sc.I.T students organized by St. John College of Humanities and Sciences, Palghar on January 29, 2022.

Research/ Consultancy:

- Received seed money of **Rs. 40,000/- from St. John Technical and Educational (SJTEC) Campus Research and Review Committee (CRRC)** for developing 'Drones for Efficient Spraying of Pesticides in Agriculture'.
- Received seed money of **Rs. 1,00,000/- from Maharashtra Students Innovation Challenge (MSIC)-2023 Competition** held by District Level organized by Maharashtra State Innovation Society, Department of Skills, Employment, Entrepreneurship & Innovation, Govt. of Maharashtra.
- **Rajiv Gandhi Science and Technology Commission, Government of Maharashtra grant of Rs. 57,000/-** received from University of Mumbai for research proposal titled 'An IoT-Enabled Smart Bracelet for Deaf and Dumb Students to Communicate with Teachers in Schools of Palghar Region'.
- Procured a grant of **Rs. 3091/- from Texas Instruments and SINCGRID Pvt. Ltd.** in association with **India Innovation Challenge Design Contest 2019 (IICDC 2019)** for **"MSRTC Online Booking, Navigation and Tracking Application (MSP430 microcontroller kits)"**.

Other Experience:

- Syllabus Setter and Question Paper Setter for U.G. and P.G. courses in University of Mumbai.
- Question Paper Setter and Moderator in Autonomous Colleges affiliated to University of Mumbai (SFIT, VESIT, KJSIET, SIES GST, Fr. CRIT, SLRTCE, and DJSCE).
- Reviewer for IEEE and Springer International Conference such as ICCCA 2025, INDISCON 2025, AIMV 2025, ICCSAI 2025, ICCUBEA 2023, CSCITA 2023, ICTEAM 2022, SMART GENCON 2021, etc.
- Served as an HOD for 2 academic years in the Department of Artificial Intelligence and Machine Learning, St. John College of Engineering and Management, Palghar.
- Served as a Deputy HOD for 2 academic years in the Department of Computer Engineering, St. John College of Engineering and Management, Palghar.
- Appointed as a SPOC for NPTEL in St. John College of Engineering and Management, Palghar.
- Appointed as a SPOC for Smart India Hackathon and mentored to design solutions for various SIH teams (Mentored 2 winning teams of SIH 2018 and SIH 2021).
- Appointed as a SPOC for Aavishkar 2024 for U.G., P.G., and PPG categories of UoM by in St. John College of Engineering and Management, Palghar.
- Invited as a judge for the Technical Paper Presentations at 'Oscillation 25', organized by Vidyavardhini's College of Engineering and Technology, Vasai on 5th April 2025.
- Invited as a judge for Maharashtra Students Innovation Challenge (MSIC) - 2023 Competition at Palghar District Level organised by Maharashtra State Innovation Society, Department of Skills, Employment, Entrepreneurship & Innovation, Govt. of Maharashtra on 14th December 2023.
- Invited as a judge for 6th National Level Project Exhibition cum Poster and Paper Presentation organized by Universal College of Engineering, Vasai on Friday, 13th March 2020.
- Invited as a Judge for TechBlitz at VCET, Vasai (Coding Competition) on March 21, 2025

STTP/FDP/Workshop/Seminar/Webinar Attended or Participated:

- Completed One-Week ISTE-approved Online Short Term Training Programme (STTP) on Digital Twins: Driving Cyber Security and Innovation across Services in the Department of Computer Engineering, DJSCE, Mumbai from January 19 to 24, 2026.
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- Completed ATAL FDP on 1-week AICTE ATAL FDP on Next-Generation Technologies for Energy Efficiency and Sustainable Innovation organised by VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY from February 02 to 07, 2026
- Completed ATAL FDP on AI-Driven Growth: Shaping India's Economy and Global Leadership organized by Rajiv Gandhi Institute of Technology from 24/02/2025 to 01/03/2025.
- Completed ISTE-approved STTP on Cybersecurity, AI and Quantum Revolution: Emerging Frontiers in Technology organized by D. J. Sanghvi College of Engineering from 03/03/2025 to 08/03/2025.
- Completed ATAL FDP on Data Analytics for Smart Mobility organized by COLLEGE OF ENGINEERING & TECHNOLOGY from 03/02/2025 to 08/02/2025.
- Completed ATAL FDP on Research and Innovation Trends in Large Language Models organized by organized by D. J. Sanghvi College of Engineering from 20/01/2025 to 25/01/2025.

- Completed ATAL FDP on Ethical Hacking and VAPT Mastery: Keystones of Cyber Security for Unnat Bharat, organized by D. J. Sanghvi College of Engineering from 06/01/2025 to 11/01/2025.
- Completed 6 days ATAL FDP on Cutting-Edge Approaches to Natural Language Processing and Large Language Models organized by DR. J.J. MAGDUM COLLEGE OF ENGINEERING. from Dec 16 to Dec 21, 2024.
- Completed 6 days ATAL FDP on High Performance Computing for Data Intensive and Complex AI Applications organized by CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY from Dec 2 to Dec 7, 2024.
- Completed STTP (ISTE approved) on "IPR (Patents, Design, Copyright, Trademarks, and Geographical Indication) under national Intellectual Property Awareness Mission (NIPAM)" organized by VPM's Maharshi Parshuram College of Engineering, Velneshwar from 1st Dec - 7th Dec 2024.
- Completed 12-week FDP on Learning Analytics Tools from IIT Bombay, Jul-Oct 2024.
- Completed 12-week FDP on Natural Language Processing from IIT Kharagpur, Jan-April 2024.
- Completed Two-week ISTE approved STTP on Recent Trends in AI, ML & IOT organized by Smt. Kashibai Navale College of Engineering, Pune from 12th June to 25th June 2024.
- Completed ISTE approved STTP on Cultivating the Future of Healthcare with Generative AI organized by St. Francis Institute of Technology, Mumbai, Maharashtra from 11.12.2023 to 15.12.2023.
- Completed ATAL FDP on Artificial Intelligence and Machine Learning at MGM'S COLLEGE OF ENGINEERING AND TECHNOLOGY from 01/01/2024 to 06/01/2024.
- Completed 5 days ATAL FDP on Building Advanced Data Analytics Applications with Cloud organized by Edunet Foundation and EY GDS (Ernst & Young), in partnership with AICTE from 18/12/2023 to 22/12/2023.
- Completed 12-week FDP on Machine Learning and Deep Learning-Fundamentals and Applications from IIT-Guwahati, Jul-Oct 2023.
- Completed ISTE approved workshop on "Introduction to ML, NLP and ChatBots" organized by VPM's Maharshi Parshuram College of Engineering, Velneshwar on 4th July to 29th July 2023.
- Completed two-weeks IEEE sponsored Capacity Building Workshop on "Next Generation Solutions: Harnessing the Power of Blockchain and AI" jointly organized by St. Francis Institute of Technology (SFIT), Xavier Institute of Engineering (XIE), and St. John College of Engineering and Management (SJCEM) from June 19 to July 02, 2023.
- Completed 12-week FDP on Data Analytics with Python from IIT-Roorkee, Jan-Apr 2023.
- Completed 3 days virtual training workshop on "Latex Software: A Scientific Documentation" organized by Sandip Institute of Engineering and Management, Nashik from 9th to 11th March 2023.
- Participated in the International workshop on "RESEARCH AND DATA INTERPRETATION TECHNIQUES USING SPSS (HANDS-ON)" organized by Scholars Gate on 23-01-2023 to 25-01-2023.
- Completed STTP on Data Science and Python sponsored by ISTE, organized by College of Engineering & Technology, Akola from 16.01.2023 to 28.01.2023.
- Completed 8-weeks FDP on Business Analytics & Text Mining Modeling Using Python from IIT Madras, Jul-Sep 2022.

- Participated in Webinar on "Systematic Approach for Publishing Research Papers, Indexing and Citations" on Wednesday, 7th, 2022.
- Completed one week Faculty Development Program on "ML: Basics to Advance" sponsored by IEEE Bombay section and organized by St. Francis Institute of Technology jointly with Xavier Institute of Engineering and St. John College of Engineering and Management from July 01 to 07, 2022.
- Completed AICTE-ISTE approved orientation/refresher programme on Cyber Security and Ethical Hacking organized by Xavier Institute of Engineering, Mahim from 10 to 15 January 2022.
- Completed 8-week FDP on Python for Data Science from IIT Madras, Jan-Feb 2021
- Completed one-week AICTE-ATAL sponsored FDP on "Research Methodology and Optimization Techniques" organized by Government Polytechnic Nashik from 13/12/2021 to 17/12/2021
- Participated in two-days Workshop on "Outcome Based Education (OBE)" organized by MGM's College of Engineering and Technology, Kamothe, Navi Mumbai from August 20-21, 2021.
- Completed one-week AICTE- ATAL Sponsored FDP on "Artificial Intelligence and Machine Learning with Data Science" organized by Department of Computer Science and Engineering, Babasaheb Naik College of Engineering, Pusad from July 14 to 18, 2021.
- Completed 6 Days National Workshop on "ReactJS" organized by Department of Information Technology, Universal College of Engineering under ITSA and IQAC in collaboration with Brain O Vision Solutions India Pvt. Ltd. & National Youth Council of India held during 05.07.2021 to 10.07.2021.
- Completed Online STTP (ISTE approved) on "Deep Learning for Computer Vision" organized by St. John College of Engineering and Management, Palghar from June 30 to July 4, 2021.
- Completed Online STTP (ISTE approved) on "Recent Trends Research and Challenges in IoT Applications" organized by Vidyavardhini's College of Engineering and Technology, Vasai from June 28 to July 3, 2021.
- Completed Online STTP (ISTE approved) on "Insights and Methodologies towards Research and Research Outcomes" organized by St. Francis Institute of Technology, Borivali from June 21 to 26, 2021.
- Completed Online STTP (ISTE approved) on "Internet Programming: The Full Stack Approach" organized by Vidyavardhini's College of Engineering and Technology, Vasai from June 14 to 25, 2021.
- Completed 4-week FDP on Python for data Science from IIT Madras, Jan-Feb 2021.
- Completed Online FDP on "RESEARCH IN ENGINEERING - A Way Forward" organized by A. P. Shah Institute of Technology, Thane from July 06 to 10, 2020.
- Completed online course on "The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop" organized by Indian Institute of Technology, Bombay (IIT-Bombay) from June 23 to 24, 2020.
- Completed AICTE Training and Learning (ATAL) Academy Online FDP on "Blockchain" organized by National Institute of Technology (NIT), Nagaland from June 22 to 26, 2020.
- Completed online STTP on "LaTeX for everyone" organized by Ramrao Adik Institute of Technology, Nerul from June 18 to 20, 2020.

- Attended Webinar on "Libraries and Tools for Machine Learning" organized by St. Francis Institute of Technology, Mumbai on June 18, 2020.
- Completed one-day webinar on "ML for Developing Nations" organized by St. Francis Institute of Technology, Mumbai on June 15, 2020.
- Completed online workshop on Next-Generation Software Tools & Trends for Industrial Solutions: Current Practices Government College of Engineering, Aurangabad (TEQIP-III) from June 13 to 17, 2020.
- Attended Webinar on "Gender Sensitization in India: Prospects and Challenges" organized by Government College of Engineering, Jalgaon and Government College of Engineering, Odisha (TEQIP-III) on June 13, 2020.
- Completed one-day online Training (Certificate of Recognition) on "Microsoft Innovative Educator Program" organized by Microsoft Educator Center on June 09, 2020.
- Completed Online STTP (ISTE approved) on "Python Basics, Machine Learning and Blockchain" organized by K. J. Somaiya Institute of Engineering and Information Technology from June 08 to 13, 2020.
- Completed Online STTP (AICTE-ISTE approved) and (CSI) on "E-learning Tools, Methodologies, and Content Management" organized by College of Engineering and Technology, Akola from June 08 to 13, 2020.
- Completed online workshop on "Outcome-based Education and NBA Accreditation Process" organized by P. R. Pote College of Engineering and Management, Amravati from June 08 to 12, 2020.
- Completed online workshop on "Enhancing Research Work of Ph.D. Aspirants through Systematic Approach" Lokmanya Tilak College of Engineering, Navi Mumbai from June 08 to 10, 2020.
- Completed Online FDP under U.G.C. Paramarsh Scheme on "NAAC Assessment and Accreditation for Affiliated Colleges" organized by Vinayakrao Patil College, Vaijapur from June 08 to 13, 2020.
- Attended webinar on "Cyber Security" organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai and TeleNetworks Technologies Pvt. Ltd. on June 06, 2020.
- Completed Online Webinar series on "Exploring Emerging Dimensions of Electronics" organized by St. John College of Engineering and Management, Palghar from June 05 to 09, 2020.
- Attended Webinar on "Open-Source Technology: A Step Towards Collaborative Learning" organized by Don Bosco Institute of Technology, Mumbai (IETE and IEEE) on June 05, 2020.
- Completed online workshop on "Writing High-Impact Research Papers, Effectively, and efficiently" organized by G. H. Raisoni Institute of Business Management, Jalgaon, Maharashtra from June 04 to 06, 2020.
- Attended Webinar on "Gateway to Cyber Security" organized by St. John College of Engineering and Management, Palghar on June 03, 2020.
- Completed Online FDP on "Engineering Education and the Industry: A Post COVID-19 Perspective" organized by Rajiv Gandhi Institute of Technology from June 01 to 05, 2020.
- Attended Webinar on "Creating Interactive E-learning Content" organized by Universal College of Engineering, Vasai (IQAC) on June 01, 2020.
- Attended one-day Webinar on "Leadership Talk" organized by MHRD's Innovation Cell (Government of India) and AICTE on May 30, 2020.

- Attended Webinar on "Artificial Intelligence and Machine Learning" organized by Dr. Subhash Technical Campus, Junagadh on May 30, 2020.
- Completed National level online FDP on "Disruptive Technologies of Industry 4.0" organized by Fr. Conceição Rodrigues College of Engineering, Mumbai from May 30 to June 03, 2020.
- Attended Webinar on "Emergence of Data Analytics and its Impact on Data Warehouse" organized by VIVA Institute of Technology on May 31, 2020.
- Attended Webinar on "Writing Effective Research Paper" organized by Sir M. Visvesvaraya Institute of Technology, Bengaluru, Karnataka on May 30, 2020.
- Completed International Workshop on "Education 4.0: Transformation of Learning Environment Rajkiya Engineering College, Banda and Consilio Intelligence Research Lab, U.P. (TEQIP-III) May 29 and 30, 2020.
- Attended Webinar on "Usage of Technology in COVID-19" organized by Terna Engineering College, Navi Mumbai from May 28 to June 02, 2020.
- Completed Webinar on "Education 4.0-Season II" organized by Atharva College of Engineering (ACE), Malad (IQAC) from May 28 to 30, 2020.
- Completed Online FDP on "Signal Image and Video Processing: A Practical Approach" organized by Government College of Engineering, Karad (TEQIP-III) from May 26 to 30, 2020.
- Completed Online FDP on "Data Science" organized by Fr. Conceição Rodrigues College of Engineering, Mumbai from May 26 to 30, 2020.
- Completed National level FDP and Online Training on "SCILAB: An open-source substitute of MATLAB" organized by JNTUH College of Engineering Sultanpur, Telangana from May 25 to 30, 2020.
- Completed Online FDP on "Recent Trends and Applications of Machine Learning and Deep Learning in IT" organized by Ramrao Adik Institute of Technology, Nerul from May 25 to 29, 2020.
- Completed online workshop on "Webinar Series" organized by St. John College of Engineering and Management, Palghar from May 24 to 28, 2020.
- Attended National level webinar on "A systematic approach to prepare technical paper" organized by Shri Bhagubhai Mafatlal Polytechnic on May 23, 2020.
- Attended online webinar on "Online Teaching and Learning using Google Classroom and Google Meet" organized by Pillai College of Engineering, New Panvel on May 22, 2020.
- Completed National level FDP on "ICT tools in Education using MOODLE" organized by PACE Institute of Technology and Sciences, Ongole from May 22 to 26, 2020.
- Completed Online FDP on "Artificial Intelligence" organized by Universal College of Engineering, Vasai, in association with Brain-o-vision solutions (India) Pvt. Ltd., and National Indian Youth Council from May 22 to 26, 2020.
- Attended online webinar on "Blockchain Technology" organized by Vidyavardhini's College of Engineering and Technology on May 21, 2020.
- Completed Online FDP on "Advances in Python (Django and Flask), Python for Data Science and Cyber Security" organized by Chadalawada Ramanamma Engineering College, Tirupati, Andhra Pradesh from May 21 to 27, 2020.
- Attended National webinar on "Machine Learning and Deep Learning" organized by Kasturba Gandhi Degree & PG College for Women, Telangana on May 20, 2020.
- Attended online webinar on "Insights and Data Visualisation" organized by Shree L. R. Tiwari College of Engineering, Mira Road on May 19, 2020.

- Completed Online Course on "Research Methodology" organized by Mar Gregorios College of Arts and Science from May 19 to 23, 2020.
- Completed Online FDP on "Emerging Trends in Industry 4.0" organized by JSPM's Rajarshi Shahu College of Engineering, Tathawade (Technically sponsored by ACM) from May 18 to 29, 2020.
- Completed Online Staff Development Programme on "Linux" organized by Pimpri Chinchwad College of Engineering from May 18 to 25, 2020.
- Completed Online STTP on "MATLAB-based Teaching Learning in Engineering" organized by Ramrao Adik Institute of Technology, Nerul from May 18 to 22, 2020.
- Attended Webinar on "Start-up Lifecycle and Patent Registration" organized by ACE Innovation Cell, IPR Cell, ACE Institute Innovation Council (MHRD), ACE-Incubation Center-MSME, IEDC-DST, ACE Ember E-cell NEN, Atharva College of Engineering (ACE) from May 18 and 19, 2020.
- Attended National webinar on "Self-Plagiarism: Ethical and Legal Dimensions" organized by Narsee Monjee College of Commerce and Economics on May 18, 2020.
- Completed National FDP on "E-learning tools for effective teaching and learning" organized by Nirmala Memorial Foundation College of Commerce & Science and EdFly on May 16, 2020.
- Completed Online FDP on "Machine Learning and Deep Learning Applications in Engineering and Science" organized by Government College of Engineering, Karad and Rajkiya Engineering College Azamgarh (Technical Education Quality Improvement Programme-III) (TEQIP-III) from May 16 to 20, 2020.
- Attended Online webinar on "NAAC: Systematic Data Organization and Presentation" organized by Vidyalankar Institute of Technology, Mumbai on May 16, 2020.
- Completed online workshop on "Internet of Things" organized by Universal College of Engineering, Vasai (The Institution of Engineering and Technology) from May 14 to 15, 2020.
- Completed Online FDP on "Outcome-based Education: A step towards excellence" organized by Government College of Engineering, Karad (AICTE sponsored under Margdarshan Scheme) from May 11 to 15, 2020.
- Completed Online Hands-on FDP on "Advanced Technologies in IT" organized by Vidyalankar Institute of Technology, Mumbai from May 09 to 12, 2020.
- Attended National webinar on "Effective ways to develop E-content" organized by Smt. Devkiba Mohansinhji Chauhan College of Commerce and Science and College of Law on May 9, 2020.
- Attended online workshop on "Role of WIPO in Preservation of Intellectual Property" organized by Dayanand College of Law, Latur (Mumbai University and College Teachers' Association) on May 08, 2020.
- Completed online workshop on "Research, Funding Project and IPR" organized by K. C. College of Engineering Management Studies and Research (IETE and IIC) from May 07 to 10, 2020.
- Completed National FDP and Online Training on "R Programming" organized by Spoken Tutorial Project, IIT Bombay and S. B. Jain Institute of Technology, Management & Research, Nagpur from May 05 to 09, 2020.
- Completed Online National level FDP on "Python 3.4.3" organized by Spoken Tutorial Project, IIT Bombay and Dwarkadas Jivanlal Sanghvi College of Engineering from May 03 to 07, 2020.

- Attended online session on "Coping after COVID19: A New Era for Students & Academicians" organized by IEEE Blended Learning Program and Kolhapur Institute of Technology's College of Engineering (Autonomous), on May 2, 2020.
- Completed online workshop on "Examination Reforms" organized by All India Council for Technical Education (AICTE)" from April 29 to May 02, 2020.
- Completed online workshop on "Education 4.0" organized by Atharva College of Engineering (ACE), Malad (IQAC) from April 28 to 30, 2020.
- Completed National level FDP and Online Training on "LaTeX" organized by Spoken Tutorial Project, IIT Bombay and A.P. Shah Institute of Technology from April 27 to May 02, 2020.
- Completed National FDP and Online Training on "Moodle Learning Management System (Moodle test for teachers)" organized by Spoken Tutorial Project, IIT Bombay and Shah & Anchor Kutchhi Engineering College from April 25 to 30, 2020.
- Attended online session on "E-learning the road ahead" organized by Mumbai University and College Teacher Association on April 18, 2020.
- Completed online workshop on "Intellectual Property Rights" organized by Pandit Deendayal Petroleum University (University in Gandhinagar, Gujarat) from April 10 and 11, 2020.

Recommended Students for Higher Education	• 50+ students recommended to different universities till date	**University/Industry** • University of Texas at Arlington • San Jose State University • University of Illinois Chicago • University of North Texas • Stevens Institute of Technology • University of Central Florida • University of Colorado Denver • University of Kent • Northumbria University • University of Hertfordshire • Brandenburg University of Technology • University of Applied Sciences Würzburg-Schweinfurt
Institute/Department Responsibility handled:	• Institute-Level: Admission Committee Member • Institute-Level: Social Media Committee Member • Institute-Level: Sports Committee Member • Department-Level: Final Year Project Co-coordinator • Department-Level: Alumni Co-ordinator • Department-Level: Placement Co-ordinator • Department-Level: Website Co-ordinator • Department-Level: Class Advisor • Department-Level: NAAC CR. 6 Co-coordinator • Department-Level: NAAC CR. 2 Co-coordinator	