

## MONALI SHETTY

D-82, Flat No. 302, Happy Home Estate, Poonam Sagar Complex,  
Miraroad(E). Dist-Thane. 401107

Email : [monali\\_shetty@fragnel.edu.in](mailto:monali_shetty@fragnel.edu.in)

### OBJECTIVES:

Seeking opportunities to take up more research projects, consultancy projects and making use of the acquired knowledge for excelling in teaching and guiding students.

### PROFESSIONAL EXPERIENCE:

Total Teaching Experience: 19 years

Total Industrial Experience: 2 years

**2006 –till Date Fr. Conceicao Rodrigues College of Engineering, Mumbai**

Designation: Assistant professor

**Dec-2005 to Feb 2006: M.L.Dahanukar College(Vile Parle),Mumbai**

Designation: Lecturer

**Oct-2003 to Nov 2005: - Extreme Soft Management Pvt. Ltd., Pune**

Designation: - Software developer

**Aug-2002 to Sept-2003: Yashwantrao Chavan Mukta Vidyapeeth,Nasik**

Designation : Lecturer

### EDUCATIONAL QUALIFICATIONS:

**Pursuing PhD in Computer Science Engineering from MGM's Jawaharlal Nehru Engineering College (JNEC) affiliated to BATU, Aurangabad.**

MTECH (Computer Engineering) from N.M.I.M.S , Vileparle(w), Mumbai

GPA - 3.75/4, CGPA – 3.30/4 (Grade – A) , 2010 – 2012

B.E (Computer Engineering) from Pune University,

First Class – 60%

Additional Qualification:

Diploma In Computer Repair And Assembly (Tata Consultancy Services ISO 9002)

### BOOKS PUBLISHED:

1. Monali Shetty," Blockchain and DLT", for B.E IT, MU, Year 2023
2. "Dr. Rajesh Kadu, Monali Shetty", Blockchain ", for BE Computer Engineering , Year 2022

3. "J.S. Katre, Monali Shetty, " Computer Network and Network Design", for SE Information Technology, Techknowledge Publication, Mumbai University, Year 2021
4. "Advanced System Security and Digital Forensic" for SEM VII – Computer Engineering, Mumbai University, Techknowledge publications.
5. "C Programming" for SEM II – Common to all branches, Mumbai University, Nandu publications
6. "Data Warehousing and Mining" for B.E. Engineering (Computer Engineering), Nandu Publication, Mumbai University
7. "Data Warehousing " for TYBSC , TECH-Max Publication, Mumbai University[Publication Year 2015]

## ACHIEVEMENTS

- Technical Paper Won second prize in TECHNOMANIA '16 (National Level Project Competition) held on 11th March,2016.  
Monali Shetty , Alex Chirayath "Cryptographic Key Exchange using Dual Tone Multi Frequency Generator" presented in Techno mania 2016.
- Technical Paper Won First prize in TECHNOMANIA '14 (National Level Project Competition) held on 14-15 March,2014.  
Monali Shetty ,Tejas Puranic ,"Analysis of Elliptic curve cryptography for mobile banking " presented in Technomania 2014.
- Competition- MHRD Innovation Cell Government of India( selected for regional level) , "Energy demand forecasting for colleges using smart grid", 2018

## PUBLICATIONS

### **Publications in International/national level Journals/ Conferences:**

1. "A Comprehensive System for Sustainable Tree Plantation and Growth Monitoring using Blockchain, AI, and IoT", International Journal of intelligent SYSTEMS AND APPLICATIONS IN ENGINEERING, ISSN:2147-6799, IJISAE, 2024, 12(21s), 955– 961, Scopus.
2. "Machine Learning Based wages increase through Employee Performance Monitoring", HTL Journal, Volume 29, Issue 11, November 2023. ISSN NO: 1006- 6748. DOI.org/10.37896/HTL29.11/9601 - Journal (UGC approved.)
3. Prof Monali Shetty ,Ms Sakshi Shetty, " Cyberbullying Detection In Native Languages", **Springer** International Conference on Soft Computing for Security Applications ICSCS 2021, 10-11, June 2021. <https://www.springer.com/gp/book/9789811653001>
4. Monali Shetty, Divita P. " Blockchain Based Model for Royalty Payments of Artists and Remix-Makers", **ELSEVIER**-SSRN Digital Library, International Conference on Smart Data Intelligence ICSMDI 2021
5. Monali Shetty, Sherwyn D, "Blockchain and AI in Pharmaceutical Supply Chain", **ELSEVIER**-SSRN Digital Library, International Conference on Smart Data Intelligence, ICSMDI 2021
6. Monali Shetty, Sankalp Rane, "Selection of optimal cricket team based on the players performance", **IEEE XPLORE** ISBN:978-1-7281-5371- DOI: [10.1109/ICCES48766.2020.9137891](https://doi.org/10.1109/ICCES48766.2020.9137891)  
**SCOPUS**
7. Prof. Monali Shetty, Christina A. Daniel, "Virtual Mouse Using Object Tracking", **IEEE**

**XPLORE** ISBN:978-1-7281-5371-1,5<sup>th</sup> International Conference on Communication and Electronics Systems(ICCES-2020), 10-12 , June 2020, ISBN:978-1-7281-5372-8, DOI: [10.1109/ICCES48766.2020.9137854](https://doi.org/10.1109/ICCES48766.2020.9137854) **SCOPUS**

8. Sharwari Marathe, Monali Shetty, "Comparative Study of Botnet Detection System using Different Machine Learning Algorithms", **SCOPUS** UGC-CARE Approved group-II Journal, ISSN:0932-4747, DOI:15.10089.ZJ.2020.V6I3.285311.2105
9. Monali Shetty, Ashley Lobo, "Time Optimal Long Distance Trip Planning for Electric Vehicles" **IEEE XPLORE** ISBN : 978-1-7281-4042-1 , 2019 5th International Conference On Computing, Communication, Control And Automation (ICCUBEA), **Date Added to IEEE Xplore:** 30 June 2020, DOI: [10.1109/ICCUBEA47591.2019.9129188](https://doi.org/10.1109/ICCUBEA47591.2019.9129188) **SCOPUS**
10. Monali Shetty, Chirantar Nalawade, "Hybrid approach for Detection and Analysis of SQL and XSS vulnerabilities" , International Journal of Engineering Trends and Technology , Volume-59 Number-1, 2018 [DOI - 10.14445/22315381/IJETT-V59P206] **SCOPUS** <https://www.scopus.com/sourceid/21101000284>
11. Mrs. Ashwini Pansare, Monali Shetty "Mood detection based on facial expressions", International Journal of Engineering Trends and Technology", volume 48, 4-June 2017[DOI - 10.14445/22315381/IJETT-V48P236] **SCOPUS** <https://www.scopus.com/sourceid/21101000284>
12. Monali Shetty, Alex Chirayath<sup>1</sup>, Shyam Padia<sup>2</sup>, Alfred Gonsalves, "Cryptographic Key Exchange using Dual Tone Multi Frequency Generator", International Journal of Innovative Research in Computer and Communication Engineering (*An ISO 3297: 2007 Certified Organization*) Vol. 3, Issue 11, November 2015 [DOI: 10.15680/IJIRCC.2015. 0311102]
13. Monali Shetty, Priyali Patil, Akshita Gandotra, Shivam Mishra , "An Efficient Mobile Voting System Scheme Based on Elliptic Curve Cryptography", International Journal of Scientific & Engineering Research, Volume 6, Issue 4, April-2015 , ISSN 2229-5518 [DOI - 10.14299/ijser.2015.04.015, UGC journal no- 44919]
14. Monali Shetty. "Analysis of Elliptic Curve Cryptography for Mobile Banking" published in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 3 Issue 7, July - 2014 International Research Publication House, [DOI - 10.17577/IJERTV3IS070872] [Scopus- Sourcerecord id- 21100828027, UGC journal no- (March-2018 ) 45539 ]
15. Ms. Monali Shetty, N.M. Shekokar, "Data mining techniques for real time intrusion detection systems" published in "International journal of scientific & Engineering Research, vol 3, issue 4, April 2012." ISSN 2229-5518 Citations- 10

#### **R and D WORK**

- "AI and Deep Learning Research Project entitled "Smart Agriculture System (e-krishirakshak)", Bennett University, 2 year project
- "Intelligent Waste Collector", MRG, Mumbai University , Grant sanctioned 25000/- year 2019-20

## INTERACTION

- Reviewer for ICAC3'17, ICAC3'21 International conference on Computing Communication and control, 2017, 2021 Reviewer for "Open Science Publication"
- Reviewer for International conference on Advanced Computing Technologies and Applications ", DJ Sanghvi, Mumbai
- Completed training on "Object Oriented Analysis and Design using UML with essentials of Rational Software Architect", Organized by IBM from 15<sup>th</sup>-18<sup>th</sup> April, 2009
- Completed training on "Android Development " from 19/5/2014 to 31/5/2014
- Completed training on "Servlets and JSP" from 3/12/12 to 8/12/12

## AREA OF INTEREST

Blockchain, Data Science, ML, Cryptography and System Security, Mobile Communication and Computing, Web Technology Theory & Laboratory, Computer Network, Structured Programming,

## NITTR/ NPTEL/COURSERA COURSES COMPLETED

- Completed all 8 Modules of NITTT (National Initiative for Technical Teachers Training) – NITTT Registration no. 20221121721
- Coursera "The Data Scientist's Toolbox", Johns Hopkins University
- Simplilearn Certificate Training Program on "Introduction to Data Analytics"
- NPTEL Online Course on "Data Science for Engineering(FDP)" 8 weeks , Sep-Nov, 2020
- NPTEL Online Course on "Operating System", 12 weeks- Jan to Apr 2020
- NPTEL Online Course on "Data base Management Systems", 12 weeks – July to Oct 2018
- NPTEL Online Course on "Blockchain Architecture Design and Use Cases" , 8 weeks – Aug to Sept 2018
- NPTEL course of 8 weeks on "Information security-IV" from 5<sup>th</sup> Feb – 26<sup>th</sup> March, 2018
- NPTEL course of 4 weeks on " Introduction to Modern Application Development", 5<sup>th</sup> Sept – 30<sup>th</sup> Sept 2016

## STTP/FDP Attended

23. **AICTE** Training and Learning (**ATAL**) Academy FDP " AI and ML for Intelligent Applications Using Python and MATLAB", 21-2-22 to 25-2-22 at ABS Engineering College Ghaziabad.
24. **AICTE** Training and Learning (**ATAL**) Academy FDP "Role of Block Chain Technology in India- An insight into public sector, " 23-11-21 to 26-11-21 at Institute of Road and Transport Technology
25. 5 days FDP on "A Systematic Navigation from Research to Research Proposals", 18-22<sup>nd</sup> August, 2021 organized by Institutions Innovation Council, MVSR Engineering College, Hyderabad, Telangana.

26. One week FDP on “Machine Learning and Cyber Security Applications”, organized by Lincoln University Malaysia in association with Stanley COE, 18-10-21 to 23-10-21
27. AWSAR Webinar on “Popular Science Writing”, 8<sup>th</sup> Oct,2021 organized by DST , Government of India and Vigyan Prasar.
28. 5 days National Level Online FDP on “A Systematic Navigation from Research to Research Proposals”, 18- 22<sup>nd</sup> August, 2021
29. Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30<sup>th</sup> June - 30<sup>th</sup> July 2021
30. “Disaster Management Informatics”, IIT e-Yantra Innovation Challenge (eYIC)-5<sup>th</sup> Oct 2020-20<sup>th</sup> Nov 2020
31. AICTE Sponsored STTP on “Developing Cyber Security Models using Statistical And Deep Learning”, 18-1-2021 to 23-01-2021.
32. **AICTE** Training and Learning (**ATAL**) Academy FDP” Genome Engineering & Technology”, 28<sup>th</sup> Sept, 2020 – 2<sup>nd</sup> Oct,2020
33. **AICTE** Training and Learning (**ATAL**) Academy FDP, “Cloud Technology”, 26<sup>th</sup> Oct, 2020 – 30<sup>th</sup> Oct,2020
34. STTP on “MATLAB and MATHEMATICA for Scientific Research”, Arul Anandar College, 27<sup>th</sup> July- 29<sup>th</sup> July 2020
35. Hands-on workshop on “Dart Programming Language”, Mother Teresa Institute of Science and Technology in association with Brainovision Solutions India Pvt. Ltd. 27-7-20, 27/7/20
36. 5-day National Level Hands-on workshop on “Machine Learning with Web Development”, G. Narayanamma Institute of Technology and Science and Codegnan IT solutions (OPC) Pvt. Ltd. , 6-10<sup>th</sup> July,2020
37. **IEEE** Webinar on “Data Cleaning Services using Machine Learning Algorithms”, IEEE Computational Intelligence Society, 5<sup>th</sup> July,2020
38. 5-days FDP on ”Cloud Computing with AWS” , Mahaveer Institute of science and Technology, 30<sup>th</sup> June- 4<sup>th</sup> July,2020
39. One week FDP on “Data Science Using R Programming”, 12-6-20 to 17-6-20
40. STTP on “Recent Trends in Data Science and Information Security”, RAIT, 22<sup>nd</sup>-26<sup>th</sup> June 2020
41. One week FDP on “Data Science Using R Programming”, Mahaveer Institute of science and technology, 12<sup>th</sup>-17<sup>th</sup> June,2020
42. FDP on “Digital Literacy for Improving Classroom Dynamics”, Vignan’s Institute of Management and Technology , 10<sup>th</sup> June,2020
43. 5-days FDP on ”Disruptive Technologies of Industry 4.0”, Fr.CRCE, Bandra, 30<sup>th</sup> May-3<sup>rd</sup> June,2020
44. Webinar on Star Expert IOT specialist , 2<sup>nd</sup> June,2020
45. FDP on :Intellectual Property Rights", 4-5 th Jan, 2019
46. Workshop on Artificial Intelligence and Deep learning organized in collaboration with Benett university “ledingindia.ai, July 21, 2018 to July 23, 2018. NVIDIA DLI, July 23, 2018
47. Attended 2 days training on “R Programming” ,organized by Fr. CRCE, Bandra on 5<sup>th</sup> & 6<sup>th</sup>

August 2016.

48. ISTE approved STTP on “Internet Of Things” at Fr. CRCE, 27 June-1 July 2016
49. Attended 1 day workshop on “ NPTEL awareness workshop” , organized by K.J.Somaiya institute of engineering & information technology on 8<sup>th</sup> Jan,2016.
50. Attended 2 days training on “System and Network attack laboratory”, organized by Fr. CRCE, Bandra on 13<sup>th</sup> & 14<sup>th</sup> Feb,2015.
51. Attended orientation program on "Mobile Communication and Computing" organized by Pillai COE, Rasayani on 8<sup>th</sup> Jan, 2015
52. Attended 1 week ISTE approved STTP on "Digital Forensic" organized by Fr.CRCE, Bandra during 11- Nov-2014 to 15-Nov-2014.
53. Attended 2 week ISTE approved STTP on "Moving Towards Open Source" organized by Vidyalankar Institute Of Technology, June25-July 6, 2012
54. Attended 1 week ISTE approved STTP on "Multimedia Systems & Human Computer Interaction" organized by Vivekanand Education Society’s Institute of Technology from 9th-13th July,2012.
55. Completed 1 month industrial training on "Web Upgradation and Security" in Armstrong Pvt. Ltd, Nasik from 14-11-2011 to 3-01-2012.
56. Attended 2 days workshop on "Introduction to geometric algorithms" organized by Fr.CRCE, Bandra during 22nd-23rd July,2008.
57. Attended 1 week ISTE approved STTP on "Robotics and Its Application" organized by Fr.CRCE Bandra, from 26-5-2008 to 30-5-2008.
58. Attended 2 days workshop on "JAVA 2 Enterprise Edition (J2EE)" organized by Fr.CRCE, Bandra during 1<sup>st</sup>-2<sup>nd</sup> Jan,2008.

### **KEY RESPONSIBILITIES**

- NAAC Coordinator
- TedxCRCE Incharge
- Placement committee – Faculty TPC
- Admission Faculty Incharge
- Department PBL Coordinator
- E-cell In-charge
- In-charge of ACM, CESA
- Organizing committee member in ICAC3’17, ICAC3’15,19,21
- NBA – D Committee Coordinator
- Coordinator of FDP on “Stress Management & Yoga for Healthy Life” , “EJB and Collections” , “Struts 2.0 Web Application Framework”
- Coordinator of FDPs and SDPs

**MEMBERSHIP OF SOCIETIES:**

	Name of Society	Year of Joining	Membership Number	
	Indian Society for Technical Education	2007	LM 52373	

University Approval: UG – CONCOL/SA/4155/2009

Monali N. Shetty  
Assistant Professor,  
Fr. CRCE, Bandra.