MONALI SHETTY

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Miraroad(E). Dist-Thane. 401107
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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 : 17 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. "Dr. Rajesh Kadu, Monali Shetty", Blockchain ", for BE Computer Engineering , Year 2022

2. "J.S. Katre, Monali Shetty, " Computer Network and Network Design", for SE Information Technology, Techknowledge Publication, Mumbai University, Year 2021

3. "Advanced System Security and Digital Forensic" for SEM VII – Computer Engineering, Mumbai University, Techknowledge publications.

4. "C Programming" for SEM II – Common to all branches , Mumbai University, Nandu publications

5. "Data Warehousing and Mining" for B.E. Engineering (Computer Engineering) , Nandu Publication, Mumbai University

6. "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. 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

2. 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

3. Monali Shetty, Sherwyn D, "Blockchain and AI in Pharmaceutical Supply Chain", **ELSEVIER-**SSRN Digital Library, International Conference on Smart Data Intelligence, ICSMDI 2021

4. 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 **SCOPUS**

5. Prof. Monali Shetty, Christina A. Daniel, "Virtual Mouse Using Object Tracking", **IEEE XPLORE** ISBN:978-1-7281-5371-1,5th 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** **SCOPUS**

6. Sharwari Marathe, Monali Shetty," Comparative Study of Botnet Detection System using Different MachineLearning Algorithms", **SCOPUS** UGC-CARE Approved group-II Journal, ISSN:0932-4747, DOI:15.10089.ZJ.2020.V6I3.285311.2105

7. 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: <u>10.1109/ICCUBEA47591.2019.9129188</u> **SCOPUS**

8. 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 <u>https://www.scopus.com/sourceid/21101000284</u>

9. 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** <u>https://www.scopus.com/sourceid/21101000284</u>

10. Monali Shetty, Alex Chirayath1, Shyam Padia2, 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/IJIRCCE.2015. 0311102]

11. 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]

12. 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]

13. 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

- "E-FSI – E- Farma IIT Bombay, E-Yantra Farm Setup initiative, Grant sanctioned 25000/- till today

- "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 15th-18th 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,

NPTEL/COURSERA COURSES COMPLETED

- 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 5th Feb – 26th March, 2018

- NPTEL course of 4 weeks on " Introduction to Modern Application Development", 5th Sept – 30th Sept 2016

STTP/FDP Attended

1. **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.

2. **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

3. 5 days FDP on "A Systematic Navigation from Research to Research Proposals", 18-22nd August,

2021organized by Institutions Innovation Council, MVSR Engineering College, Hyderabad, Telangana.

4. 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

5. AWSAR Webinar on "Popular Science Writing", 8th Oct,2021 organized by DST , Government of India and Vigyan Prasar.

6. 5 days National Level Online FDP on "A Systematic Navigation from Research to Research Proposals", 18- 22nd August, 2021

7. **Innovation Ambassador training (Foundation Level) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021**

8. "Disaster Management Informatics", IIT e-Yantra Innovation Challenge (eYIC)-5th Oct 2020-20th Nov 2020

9. AICTE Sponsored STTP on "Developing Cyber Security Models using Statistical And Deep Learning", 18-1-2021 to 23-01-2021.

10. **AICTE** Training and Learning **(ATAL)** Academy FDP" Genome Engineering & Technology", 28th Sept, 2020 – 2nd Oct,2020

11. **AICTE** Training and Learning **(ATAL)** Academy FDP, "Cloud Technology", 26th Oct, 2020 – 30th Oct,2020

12. STTP on "MATLAB and MATHEMATICA for Scientific Research", Arul Anandar College, 27th July-29th July 2020

13. 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

14. 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. , 6-10th July,2020

15. **IEEE** Webinar on "Data Cleaning Services using Machine Learning Algorithms", IEEE Computational Intelligence Society, 5th July,2020

16. 5-days FDP on "Cloud Computing with AWS" , Mahaveer Institute of science and Technology, 30th June- 4th July,2020

17. One week FDP on "Data Science Using R Programming", 12-6-20 to 17-6-20

18. STTP on "Recent Trends in Data Science and Information Security", RAIT, 22nd-26th June 2020

19. One week FDP on "Data Science Using R Programming", Mahaveer Institute of science and technology, 12th-17th June,2020

20. FDP on "Digital Literacy for Improving Classroom Dynamics", Vignan's Institute of Management and Technology , 10th June,2020

21. 5-days FDP on "Disruptive Technologies of Industry 4.0", Fr.CRCE, Bandra, 30th May-3rd June,2020

22. Webinar on Star Expert IOT specialist , 2nd June,2020

23. One week FDP on "Data Science", Fr.CRCE, 26th May-30th May,2020

24. Webinar on Star Digital Marketing 30th May,2020

25. One week International FDP on "Innovative Trends in Engineering and Technology ", LR Tiwari COE, 25th to 29th May,2020

26. Webinar on "Star Certified DevOps Expert", 11th May,2020

27. 4 days FDP on "Research , Funding Projects and IPR", K.C.College of Engg, 7th-10th May,2020

28. 4 days FDP on "IT and IPR 2020", LR Tiwari COE, 5th May-8th May,2020

29. One day National Workshop on "Blockchain Technology", Ganpat University, 2nd May, 2020

30. "AWS Builders Online Series" , 22nd January , 2020

31. Faculty development Program , Govt. Officials training on "Blockchain Technology", VJTI

    , 30th Sept – 4 th Oct, 2019

32. FDP on :Intellectual Property Rights", 4-5 th Jan, 2019

33. 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

34. Attended 2 days training on "R Programming" ,organized by Fr. CRCE, Bandra on 5th & 6th August 2016.

35. ISTE approved STTP on "Internet Of Things" at Fr. CRCE, 27 June-1 July 2016

36. Attended 1 day workshop on " NPTEL awareness workshop" , organized by K.J.Somaiya institute of enginerring & information technology on 8th Jan,2016.

37. Attended 2 days training on "System and Network attack laboratory", organized by Fr. CRCE, Bandra on 13th & 14th Feb,2015.

38. Attended orientation program on "Mobile Communication and Computing" organized by Pillai COE, Rasayani on 8th Jan, 2015

39. Attended1 week ISTE approved STTP on "Digital Forensic" organized by Fr.CRCE, Bandra during 11-Nov-2014 to 15-Nov-2014.

40. Attended 2 week ISTE approved STTP on "Moving Towards Open Source" organized by Vidyalankar Institute Of Technology, June25-July 6, 2012

41. 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.

42. Completed 1 month industrial training on "Web Upgradation and Security" in Armstrong Pvt. Ltd, Nasik from 14-11-2011 to 3-01-2012.

43. Attended 2 days workshop on "Introduction to geometric algorithms" organized by Fr.CRCE, Bandra during 22nd-23rd July,2008.

44. Attended 1 week ISTE approved STTP on "Robotics and Its Application" organized by Fr.CRCE ,

Bandra, from 26-5-2008 to 30-5-2008.

45. Attended 2 days workshop on "JAVA 2 Enterprise Edition (J2EE)" organized by Fr.CRCE, Bandra during 1st-2nd Jan,2008.

46. Attended course on "Java Opensource & IBM Tools", organized by SPIT, Andheri from 11th-14th July,2007

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.