

AFREENZEHRA SAYED

Assistant Professor

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Location : Mumbai

Professional Summary

Experienced Assistant Professor with over 13 years of teaching experience across multiple engineering disciplines. Strong academic background with expertise in Data Science, Artificial Intelligence, Communication Systems, and Networking, integrating research-driven and outcome-based teaching methodologies. Committed to fostering student engagement, academic excellence, and active participation in institutional and professional development initiatives.

Academia

Institution

Thakur College of Engineering
(Mumbai University)

Qualification

Master's of Engineering in EXTC
CGPA: 8.05
Session: 2013-2015

M H Saboo Siddik College of Engineering
(Mumbai University)

Bachelor of Engineering in EXTC
Agg: 67%
Session: 2011-2012

Mithibai College of Arts, Science and
Commerce (Mumbai Board)

Higher Secondary Examination
79.50%
Session: 2007

Vivek Vidyalaya (Mumbai Board)

Secondary School Examination
84.80%
Session: 2005

Subjects Taught

- Database Management System (SQL), Python, Data Analytics, Machine Learning, Web Programming, Big Data Analytics, Computer Communication Networks, Digital Circuit Design, Principles of Communication, Digital Communication, Signal and Systems, Integrated Circuits, Basic Electrical and Electronics Engineering.

Work Experience

- Fr. Conceicao Rodrigues College of Engineering (AIDS/ CSE Department): Sept 2024 till present
- Thakur College of Engineering (IT Department): 2 years (2022-2024)
- A P Shah Institute of Technology (EXTC Department): 3 years (2019-2022)
- St. Francis Institute of Technology (EXTC Department): 6 years (2013-2019)
- Thakur College of Engineering (EXTC Department): 1 year (2012-2013)

Extra Curricular Activities

- **Certifications:**

- 1) Python for Data Science and Machine Learning Bootcamp by Udemy 2024
- 2) Advanced Certification in Data Science and AI from CODE, IIT Madras in association with Intellipaat in 2023

- **Published Paper:**

- 1) A. Sayed, L. Jolly and U. P. Khot, "Analysis of Effect of MAI on an OCDMA System," in Proc. International Conference and Workshop on Electronics & Telecommunication Engineering, Feb. 2014, pp. 460–465.
- 2) A. Sayed and L. Jolly "Secured High Speed Transmission in Optical Communication Systems," International Journal of Science, Engineering and Technology Research, vol. 3, pp. 3335–3340, Dec. 2014.
- 3) Q. Shaikh, P. Patil and A. Sayed, "Improvement in BER Performance of OFDM System using Interleaver," International Journal of Science, Engineering and Technology Research, vol. 4, pp. 382-385, Feb. 2015.
- 4) Monisha Linkesh, V Jadhav and A. Sayed, "Crop yield prediction using a Wavelet based fusion of Landsat and Senitel data with Meteorological Parameters," in Multicon W conference Feb 2022.

- **STTPs/Workshops Organized:**

- 1) Organized and participated in ATAL FDP on The role of Artificial Intelligence in Sustainable Waste Management at Fr. CRCE, Bandra from 10th Feb 25 to 15th Feb 2025
- 2) Overall Department Incharge of Multicon-W Conference held at Thakur College of Engineering in Feb 2024.
- 3) Organized and participated in ATAL FDP on IOT: A journey from sensor to server at A P Shah Institute of Technology from 4th to 8th Jan 2022
- 4) Coordinator of Robotics Workshop organized by ARK Tech & Robocart.com in association with AMALGAM, IIT Madras.

- **STTPs/Workshops Attended:**

- 1) Attended ISTE Approved STTP on "Concept and Applications of Artificial Intelligence Subfields from 2nd Jan 2023 to 7th Jan 2023 at TCET Mumbai.
- 2) Attended FDP on "Outcome Based Education" from 30th Nov 2022 to 3rd Dec 2022 at TCET
- 3) Successfully cleared NPTEL course on "Computer Networks and Internet Protocol" in Sept 2021.
- 4) Attended One week AICTE Sponsored Online STTP on "Telecommunication Networks- Phase II" organized by VIT conducted from 5th July to 10th July 2021.
- 5) Successfully cleared NPTEL course on "Introduction to Embedded System Design in Sept 2020.
- 6) Attended 5 day FDP on Research in Engineering -A way forward organized by A P Shah Institute of Technology, July 6-10 2020.
- 7) Attended One week FDP on Python in association with Spoken Tutorial Project IIT Bombay, organized by TCET, June 2020
- 8) Attended one day virtual webinar on "Wireless Communication- Your Friend in the Digital Age" organized by Nandha College of Engineering Erode, Tamil Nadu, in Association with "The Institution of Engineers (India), Erode Local Center on 4th June 2020.

- 9) Successfully completed R test training offered by spoken tutorial Project IIT, Bombay and funded by National Mission on Education through ICT, MHRD, Govt., of India organized at A P Shah Institute of Technology, May 2020.
- 10) Attended 5 day online FDP on “Advances in IOT” organized by FR. Conceicao Rodrigues College of Engineering in May 2020
- 11) Successfully completed “Fundamentals of Network Communication” an online non-credit course authorized by University of Colorado System and offered through Coursera in April 2020.
- 12) Attended Quality Improvement Programme on Optical fiber/Wireless Communication and Network at IIT Delhi on 17th -19th Dec 2016.
- 13) Google App Workshop by Mr. Yogesh Modak on 29th August 2015.
- 14) One-day Hands-on Training on CCN at S.P.I.T. Mumbai on 7th Feb 2015
- 15) Two-week ISTE Workshop on Control Systems, Conducted by IIT Kharagpur, under the National Mission on Education through ICT (MHRD, Govt. of India), 2nd to 12th December, 2014
- 16) Two-week ISTE Workshop on Computer Networks, conducted by IIT Powai, under the National Mission on Education through ICT (MHRD, Govt. of India), 31st June to 5th July, 2014.
- 17) Participated as a delegate in Engineering Colloquium organized by Thakur College of Engineering during 22nd and 23rd Feb 2013
- 18) Two-day ISTE Workshop on Research methods in Educational technology, conducted by IIT Powai, under the National Mission on Education through ICT (MHRD, Govt. of India), on 2nd and 9th Feb 2013.

• **Industrial Visits Organized:**

- 1) Industrial visit to SAHAR Airport for the subject Radar Engineering (TE EXTC) 2013-14
- 2) Industrial visit to CETTM for the subject Optical Communication (BE EXTC A) 2015-2016

• **Participation in Social/ Technical Events of Institute:**

- 1) Worked in Hospitality and Social Responsibility committee (Angels Club) at SFIT
- 2) Participated in IEEE FEST (ROBOTIC EVENT) at MHSSCOE.
- 3) ‘EVENT HEAD’ in PURPLE FEST(FUN N FAIR) in the year 2010-2011 at MHSSCOE.
- 4) Participated in Technical Paper Presentation in MHSSCOE.
- 5) Participated in the International Conference on New Development And Challenges In Engineering And Technology Management.

Key Strengths

- Positive attitude with sense of responsibility
- Expressive, spontaneous, enthusiastic and energetic
- Active and pleasant
- Extrovert
- Team leader
- Takes initiative

I hereby declare that the above information is true to the best of my knowledge and belief.

Afreenzehra Sayed