

## **AFREENZEHRA SAYED**

**Assistant Professor**

Contact No.: 8108384005

Email: s.afreen110@gmail.com,afreenzehra.sayed@tcetmumbai.in

### ***Professional Summary***

Highly skilled Electronics and Telecommunication Engineering Assistant Professor with a strong academic background and extensive teaching experience. Committed to fostering a stimulating learning environment, encouraging student engagement, and integrating research into the curriculum. Adept at developing innovative teaching methodologies and promoting departmental and college-level activities.

### ***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, Computer Communication Networks, Digital Circuit Design, Principles of Communication, Digital Communication, Signal and Systems, Integrated Circuits, Basic Electrical and Electronics Engineering.

### ***Work Experience***

- 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 Sentinel data with Meteorological Parameters," in Multicon W conference Feb 2022.

- **STTPs/Workshops Organized:**

- 1) Overall Department Incharge of Multicon-W Conference held at Thakur College of Engineering in Feb 2024.
- 2) Organized and participated in ATAL FDP on IOT: A journey from sensor to server at A P Shah Institute of Technology from 4<sup>th</sup> to 8<sup>th</sup> Jan 2022
- 3) 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 2<sup>nd</sup> Jan 2023 to 7<sup>th</sup> Jan 2023 at TCET Mumbai.
- 2) Attended FDP on "Outcome Based Education" from 30<sup>th</sup> Nov 2022 to 3<sup>rd</sup> 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 5<sup>th</sup> July to 10<sup>th</sup> 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 17<sup>th</sup> -19<sup>th</sup> Dec 2016.
- 13) Google App Workshop by Mr. Yogesh Modak on 29<sup>th</sup> 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), 2<sup>nd</sup> to 12<sup>th</sup> 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), 31<sup>st</sup> June to 5<sup>th</sup> July, 2014.
- 17) Participated as a delegate in Engineering Colloquium organized by Thakur College of Engineering during 22<sup>nd</sup> and 23<sup>rd</sup> 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 2<sup>nd</sup> and 9<sup>th</sup> Feb 2013.

• **Industrial Visits Organized:**

- 1) Industrial visit to SAHAR Airport for the subject Radar Engineering (TE EXTC B) 2013-2014
- 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.

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