

# Zara Nadeem

## Education

2013-2015	<b>M. Phil Mathematics</b> CGPA: 3.43 Department of Mathematics University of the Punjab Lahore
2009-2013	<b>BS Mathematics</b> CGPA: 3.52 Department of Mathematics University of the Punjab

## Work Experience

- Working as Lecturer Mathematics at Kinnaird College for Women, from **September 2021** to **Present**
- Worked as Lecturer Mathematics at Himayat-e-Islam College for Women, Garden Town Lahore for teaching Mathematics to the classes of **Intermediate** and **B.Sc.** from **November 2019** to **August 2021**
- Worked as a College Teaching Intern (**C.T.I**) at Govt. Post Graduate College for Women, Samanabad Lahore for teaching Mathematics to the classes of **Intermediate**, **BS-Mathematics**, **BS-Computer Science** and **BS-Physics** from **October 2015** to **October 2017**.

## Area of Interest

Computational Mathematics

## Research Publication

Ghazala Akram and Zara Nadeem, *Non-Polynomial Spline Technique for the Solution of Ninth Order Boundary Value Problem*. Turkish Journal of Mathematics, (2017), 41: 312 – 325.

## Thesis Supervision

Supervised a student on undergraduate level of the session 2020-2024 at Kinnaird College for Women

## Conferences Attended

- Participated and presented paper titled “A Newly Formulated Central Difference Interpolation Technique and its Comparison with Different Interpolating Methods” in “KINNAIRD’S 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY AND INNOVATION” organized by ORIC, Kinnaird College for Women on 18<sup>th</sup>-20<sup>th</sup> February 2025
- Participated online in “1<sup>ST</sup> INTERNATIONAL CONFERENCE ON PURE AND APPLIED MATHEMATICS (ICPAM)” organized by Prince Sultan University, Riyadh, KSA on 12<sup>th</sup> September 2024
- Participated in “TWO DAYS INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MATHEMATICS” organized by ASSMS on 1<sup>st</sup> -2<sup>nd</sup> June 2024

- Participated in “KINNAIRD’S 2<sup>ND</sup> INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY AND INNOVATION” organized by ORIC, Kinnaird College for Women on 8<sup>th</sup>-10<sup>th</sup> March 2023
- Participated in “INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED MATHEMATICS 2022” organized by Department of Mathematics UET on May 18, 2022.

### **Workshops, Trainings and Seminars/Webinars**

- Attended workshop on “EXPLORING SATELLITE IMAGES WITH AI” organized by Department of Mathematics, ORIC Kinnaird College for Women and LUMS on May 10, 2025
- Participated online in “PROFESSIONAL DEVELOPMENT SERIES LEVELING THE PLAYING FIELD IN HIGHER EDUCATION: SYSTEMATIC STRATEGIES FOR INCLUSIVE EXCELLENCE” organized by FCCU on April 7, 2025-April 16, 2025
- Participated in “5-DAY FACULTY DEVELOPMENT PROGRAM ON FUTURE TRENDS IN MACHINE LEARNING AND DATA SCIENCE-DRIVEN IOT APPLICATIONS” organized by Haldia Institute of Technology on March 10, 2025 – March 13, 2025 & March 17, 2025
- Participated in international webinar on “WOMEN LEADERSHIP IN HIGHER EDUCATION: EMPOWERING CHANGE & ADVANCING GLOBAL EXCELLENCE” organized by UCSI University and Michigan State University on March 8, 2025
- Participated in workshop on “INTRODUCTION TO MACHINE LEARNING” organized by Department of Statistics, ORIC Kinnaird College for Women on February 19, 2025
- Attended ONLINE ONE-DAY WORKSHOP on LATEX FOR SCIENTIFIC DOCUMENTATION organized by MathTech Thinking Foundation, Fazilka, Punjab, India on 29<sup>th</sup> December, 2024
- Attended ONLINE ONE-DAY WORKSHOP on COMPUTING CALCULUS WITH PYTHON organized by MathTech Thinking Foundation, Fazilka, Punjab, India on 23<sup>rd</sup> December, 2024
- Participated online in FACULTY DEVELOPMENT PROGRAM ON ALGEBRA, ANALYSIS AND NUMBER THEORY organized by Department of Mathematics, SRM University-AP, Andhra Pradesh, India from 16<sup>th</sup> December 2024-20<sup>th</sup> December 2024
- Attended ONLINE WORKSHOP SERIES on EMPOWERING EDUCATORS:PRACTICAL APPLICATIONS OF GENERATIVE AI IN EDUCATION organized by Pak Institute of Statistical Training and Research on 6<sup>th</sup> October 2024 and 12<sup>th</sup> October 2024-13<sup>th</sup> October 2024
- Participated online in FACULTY DEVELOPMENT PROGRAM ON RECENT TRENDS IN COMPUTATIONAL SCIENCES organized by Amity Institute of Applied Sciences, Dept. of Mathematics and Statistics by Amity University Kolkata, India on 22<sup>nd</sup> July 2024-26<sup>th</sup> July 2024

- Attended an International Webinar on “PITFALLS TO AVOID WHILE USING MULTI-OBJECTIVE OPTIMIZATION IN MACHINE LEARNING” organized by Core Research foundation on 28<sup>th</sup> June 2024.
- Attended an International Webinar on “NAVIGATING THE PATHWAYS OF PUBLISHING IN HIGH-QUALITY JOURNALS BY USING SCOPUS” organized by Elsevier and HEC on 10<sup>th</sup> October 2023
- Participated in 3-Days Workshop on “PYTHON ESSENTIALS”, organized by Department of Mathematics and ORIC, Kinnaird College for Women on 14<sup>th</sup>-16<sup>th</sup> June 2023.
- Completed an Online Course of 2 ½ months duration on “PCAP: PROGRAMMING ESSENTIALS IN PYTHON”, organized by Cisco Networking Academy in Collaboration with OpenEDG Python Institute and Virtual University from 24<sup>th</sup> October 2022 to 2<sup>nd</sup> January 2023
- Attended 2-Days Seminar on “MATHEMATICA”, organized by Department of Mathematics and ORIC, Kinnaird College for Women on 22<sup>nd</sup> September 2022 and 30<sup>th</sup> September 2022

### **References**

References will be provided on request.