CURRICULUM VITAE

Name: Dr. Fauzia Shaheen

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EDUCATIONAL QUALIFICATIONS:

2023:   **Doctor of Philosophy (Ph.D.)** in Mathematics (**Numerical Analysis**) under the title **"Study of Numerical Solution of Linear System of Equations and Eigen value Problems Along with Stability Criteria"**, Integral University, Lucknow, UP, India. (Supervisor: Dr. Najmuddin Ahmad Associate Professor, Integral University Lucknow).

2018:   **Master of Science (M.Sc.)** in Mathematics, Lucknow University.

2016:   **Bachelor of Science (B.Sc.)** in Mathematics, Physics and Chemistry, Isabella Thoburn College, Lucknow.

2012:   **Intermediate** in Mathematics, Physics, Chemistry, Hindi and English.

2011:   **High school** in Urdu as a single subject.

2010:   **High school** in Mathematics, Science, English, Hindi, Social Science and Arts.

TEACHING EXPERIENCE:

- **Visiting Faculty**

  Department of Mathematics & Statistics, Faculty of Science, **Integral University Lucknow**, U. P, India. (***Period***: **Dec 2021 June 2022).**

- **Assistant Professor**

  Department of Mathematics & Statistics, Faculty of Science, **Integral University Lucknow**, U. P, India. (***Period***: **9 Feb 2024 to till date).**

SUBJECTS OF TEACHING:

In Undergraduate Program

1. Quantitative Techniques (**B.Com**-I year I Sem)

2. Business Mathematics **(BBA-** I year I Sem**)**

3. Business Statistics **(B.Com-** I year II Sem**)**

4. Mathematical Analysis **(B.Tech-** II year IV Sem)

5. Testing of Hypothesis and Applied Statistics (**B.Sc. PMS** - II Year IV Sem)

6. Test of Significance and Applied Statistics lab (**B.Sc. PMS** - II Year IV Sem)

7. Descriptive Data Analysis Lab (Bivariate) (**B.Sc. PMS**- I Year II Sem)

8. Remedial Mathematics (**Pharm. D.** I year)

9. Numerical and Statistical Computation (**BCA** - I Year II Sem)

10. Elementary Mathematics (**B.Sc. Ag** - I Year II Sem)

11. Descriptive Data Analysis Lab (Bivariate) (**B.Sc. PMS**- I Year I Sem)

12. Computational Mathematics (**BCA**- I Year I Sem)

13. Numerical and Statistical Analysis (**BT, BTFT**-I Year I Sem)

14. Business Mathematics (**BBA LLB**- I Year I Sem)

15. Remedial Mathematics (**B. Pharm** - I Year I Sem)

In Postgraduate Program

1. Bioinformatics and Biostatistics (**M.Sc. MB**- I Year I Sem)

PUBLICATIONS:

Published-4, Accepted-2

1. **Najmuddin Ahmad, Fauzia Shaheen, "**New Modifed SSOR Method for Numerical Solution of Linear Augmented System", *Journal of Science & Arts*, 2021, issue 2, vol-55, 365-385.

2. **Najmuddin Ahmad, Fauzia Shaheen**, "Study of Numerical Solution of the linear system of equations by using SOR Algorithm with $0 < \omega < 1$", *Communication in Mathematics & Applications*, 2021, issue 4, vol-12, 853-867.

3. **Fauzia Shaheen, Najmuddin Ahmad**, "Novel Approach For Eigen value Problems Using The Monte Carlo Method", *Journal of Science and Arts*, 2023, issue 4, vol-23, 220-230.

4. **Fauzia Shaheen, Najmuddin Ahmad**, "Fermat Collocation Method for Solution of System of Linear Ordinary Differential Equations", *Calcutta Mathematical Society*, 20, 1, 69-80, 2024.

5. **Fauzia Shaheen, Najmuddin Ahmad**, Modified Wilkinson-Like Multi shift QR Algorithm for Real Hessenberg Matrices", *Transylvanian Review*. **(Accepted)**

6. **Fauzia Shaheen, Najmuddin Ahmad**, "Spectral Decomposition of Some Tridiagonal Matrices by 2nd Kind of Chebyshev Polynomials", *The Mathematics Students*, **(Accepted).**

CONFERENCE ABSTRACTS / PRESENTATIONS:

1. Spectral Decomposition of Some Tridiagonal Matrices by 2nd Kind of Chebyshev Polynomials, **International Conference** on Applied Mathematical Sciences, Jointly organised by the Department of Mathematics, Gujrat University, Ahmedabad and the Department of Applied Sciences and Humanities, Parul University, Vadodara, Gujrat, India, **12-13, November 2022**.

CONFERENCES/ SYMPOSIUM / WORKSHOP/FDP – 10

1. Attended a one week Faculty Development Program **(FDP)** on "Artificial Intelligence in Teaching and Research Paper Writing" organized by Academic and Administrative Development Centre (AIU-IU-AADC), Integral University and the Association of Indian Universities, from 26 to 30 june 2024.

2. Participated in **National Seminar** on "Mathematical & Statistical Computing " organized by the Department of Mathematics & Statistics, Integral University Lucknow on 4 th May, 2024.

3. Attended a two-week Professional Development Program **(PDP)** on "Relevance & Protection of Intellectual Property Rights" in online mode organized by Department of Chemistry, Integral University, Lucknow from 08.11.2021 to 22.11.2021.

4. Attended Two-Weeks Professional Development Program **(PDP)** on "Statistical Data Analysis and Documentation with R" organized by Department of Mathematics & Statistics, Integral University, Lucknow from 16.11.2021 to 29.11.2021.

5. Participated in one week of the Faculty Development Program **(FDP)** on Software tools for Mathematical Education" organized by the Department of Mathematics, Bannari

Amman Institute of Technology, Sathyamangalam and Providence College for Women, Coonoor, Tamil Nadu, India from 30th August to 05 September 2021.

6. Participated in **Workshop** on "Documentation with latex" Department of Mathematics St. Aloysius College (Auto.), Jabalpur, Madhya Pradesh, 17-25 Aug 2020.

7. Participated in **Workshop** on "Energy Crises and Renewable Energy" organized by the department of Physics, Isabella Thoburn College, Lucknow, 6th November 2015.

8. Participated in a two days **National Seminar** on "Development of Mathematical Principles with their Advancement in Computer Sciences" organised by Department of Computer Application, Isabella Thoburn College, Lucknow, 17-18 November 2015.

9. Participated in **Inter-State Quiz** on "Bharat Ko Pahchano"**,** competition organized by Saraswati Group of Educational Institutes, Lucknow,19 Dec 2012.

10. Participated in three days **Training Camp** organized by UP Bharat Scouts and Guides, Sitapur, 7-9 Feb 2011.

OTHER PROFESSIONAL SKILLS:

- Exceptional ability to grasp new technologies quickly
- Inquisitive, Innovative & Amiable
- MAT Lab
- Latex
- MS word
- Mathematica

PERSONAL DETAILS:

Father's Name: Dr. Mohd Salim

Mother's Name: Mrs. Seema Qamar

Languages known: English, Urdu, Hindi

Nationality: Indian

Religion: Islam

Sex: Female

Marital Status: Un Married

Permanent Address: 6-7, Phool Bagh Colony, Gudamba Thana, Kursi Road,

Near Eram Medical College, Lucknow, U.P., India, 226026.

Place: Lucknow   **(Dr. Fauzia Shaheen)**
Date: July 2024