

Curriculum Vitae



Dr. Kashif Khan

Assistant Professor (Contractual)
Centre for Distance and Online Education,
Maulana Azad National Urdu University,
Gachibowli, Hyderabad,
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Academic Qualifications:

1. **Ph.D.** on a thesis titled “**Applications of Wavelets in Signal Processing**” under the supervision of **Prof. Khalil Ahmad** from Department of Mathematics, Jamia Millia Islamia, New Delhi-110 025 in 2013.
2. **M. Sc. (Mathematics)** from C.C.S. University, Meerut (64.5%) in 2006.
3. **B.Sc.** from C.C.S. University, Meerut (60.62%) in 2004.

Computer Skills:

MS Word, Excel, MATLAB, Latex, Python Programming

Area of Research:

Wavelet Analysis, Signal Processing

Teaching Experience:

S. No.	Name of the Institution/University	Courses	From	To
1	Maulana Azad National Urdu University, Gachibowli, Hyderabad, Telangana- 500032.	UG/PG	06 Sept, 2016	Till Date
2	Al-Falah University, Faridabad Haryana-121004	UG/PG	29 Aug, 2014	31 Aug, 2016
3	Jamia Millia Islamia, New Delhi-110025	UG/PG	29 July, 2013	21 April, 2014

Papers Published/Communicated

Details of Research Papers:

1. Pankaj Sharma, Kashif Khan and Khalil Ahmad, Image denoising method based on local neighbourhood and modified mean in wavelet packet domain, Global Sci-Tech, **India**, 9(3), pp. 129-137, 2017

2. Pankaj Sharma, Kashif Khan and Khalil Ahmad, Applications of Wavelet Packets in Image Denoising, Australian Journal of Basic and Applied Sciences, AENSI Publisher, **Jordan**, 9(31) September 2015.
3. Pankaj Sharma, Kashif Khan and Khalil Ahmad, Image denoising using local contrast and adaptive mean in wavelet transform domain, Int. J. of Wavelets, Multi. and Inf. Proc., World Scientific Publishing Company, **Singapore**, 12(5), 2014.
4. Pankaj Sharma and Kashif Khan, A New Thresholding Method for Denoising Speech Signal Using Wavelet Packet Transform, JMI International Journal of Mathematical Sciences, **India**, 4(1), pp. 41-51, 2013.
5. Kashif Khan, Pankaj Sharma and Khalil Ahmad, Applications of Wavelet Packet in Image Denoising, Journal of Bioinformatics and Intelligent Control, American Scientific Publishers, **USA**, 1(2), Dec. 2012, pp. 196-202(7).
6. Parvaze Ahmad Dar, Afroz and Kashif Khan, Comprehensive Study: Wavelet Transform for Digital Image Processing Like Image Enhancement, Image Compression and Image De-Noising, Global Sci-Tech, 12(2), pp- 106-116, April-June 2020.

Chapters in Books:

S. No.	Title	ISSN/ ISBN No.	Publisher (City/Country)	Year
1.	Conics: Circles	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
2.	Parabola	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
3.	Ellipse	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
4.	Hyperbola	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
5.	Problems on Circle and Parabola	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
6.	Problems on Ellipse and Hyperbola	978-81-994195-4-4	Registrar, Maulana Azad National UrduUniversity	2025
7.	Derivatives of Vector Functions	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025
8.	Differential Operators: Gradient	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025
9.	Divergence and Curl of Vectors	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025
10.	Vector Integration	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025
11.	Problems on Derivatives of Vector Functions, Differential Operators and Gradient	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025
12.	Problems on Divergence, Curl and Vector Integration	978-81-994264-5-0	Registrar, Maulana Azad National UrduUniversity	2025

13.	Linear Transformations-I	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
14.	Linear Transformations-II	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
15.	Range, Rank and Nullity of Linear Transformations	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
16.	Matrix Form of Linear Transformations	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
17.	Inner Product Spaces-I	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
18.	Inner Product Spaces-II	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
19.	Grahm Schmidt Orthogonalization Process	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
20.	Adjoint and Other Operators	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
21.	Polynomial Rings	978-93-95203-14-2	Registrar, Maulana Azad National UrduUniversity	2022
22.	Problems of Lagrange's and Charpit's Methods	978-93-93722-19-5	Registrar, Maulana Azad National UrduUniversity	2022
23.	Problems of Formation of Partial Differential Equations	978-93-93722-19-5	Registrar, Maulana Azad National UrduUniversity	2022
24.	Problems of Homogeneous Linear Differential Equations with Variable Coefficients and Method of Variation of Parameters	978-93-93722-19-5	Registrar, Maulana Azad National UrduUniversity	2022
25.	Problems of Homogeneous Linear Differential equations with Constant Coefficients	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
26.	Solution of Partial Differential Equations (Charpit's Method)	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
27.	Solution of Partial Differential Equations (Lagrange's Method)	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
28.	Formation of Partial Differential Equations- II	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
29.	Formation of Partial Differential Equations-I	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
30.	Higher Order Linear Differential Equations with Variable	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022

	Coefficients: Method of Variation of Parameters			
31.	Homogeneous Linear Differential Equations with Variable Coefficients	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
32.	Particular Integral of Non Homogeneous Linear Differential equations with Constant Coefficients	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
33.	Homogeneous Linear Differential equations with Constant Coefficients	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
34.	Applications of First- Order Differential Equations: Orthogonal Trajectory	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
35.	First Order Higher Degree Differential Equations (Lagrange's and Clairaut's Equations)	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
36.	First Order Higher Degree Differential Equations (Equations Solvable for x and y)	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
37.	First Order Higher Degree Differential Equations	978-93-93722-19-5	Registrar, Maulana Azad National Urdu University	2022
38.	Problems of Tangential and Normal Components of Acceleration, Modelling, Ballistics, and Planetary Motion	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
39.	Problems of Vector Triple Product and Limit, Continuity, Differentiation, and Integration of Vector Functions	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
40.	Problems of Arch Length and Area of Surface of Revolution	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
41.	Problems of Volumes by the Methods of Slicing, Disks, Washer and Cylindrical Shell	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
42.	Problems of Integration and Reduction Formulae	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
43.	Problems of Curve Tracing, Indeterminate Forms, and L-Hospital's Rule	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
44.	Problems of Leibnitz's Theorem, Concavity, Inflexion Points and Asymptotes	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021

45.	Problems of Higher Order Derivatives and Hyperbolic Functions	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
46.	Modeling, Ballistics and Planetary Motion	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
47.	Tangential and Normal Components of Acceleration	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
48.	Vector Triple Product	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
49.	Curve Tracing	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
50.	Area of Surface of Revolution	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021

Translated Chapters in Books

S. No.	Title	ISSN/ ISBN No.	Publisher (City/Country)	Year
1.	Cauchy's Sequence and Infinite Series-I	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
2.	Sequence and Convergence	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
3.	Bolzano Weierstrass Theorem	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
4.	Completeness of R	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
5.	Bounded Sets Infima and Suprema	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
6.	Real Number System and Countability	978-93-95203-82-1	Registrar, Maulana Azad National Urdu University	2023
7.	Concavity, Inflexion Points and Asymptotes	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
8.	Leibnitz's Theorem	978-93-80322-81-0	Registrar, Maulana Azad National Urdu University	2021
9.	Rings of Gaussian Integers	978-93-95203-14-2	Registrar, Maulana Azad National Urdu University	2022
10.	Subgroups	978-93-95203-14-2	Registrar, Maulana Azad National Urdu University	2022
11.	Groups	978-93-95203-14-2	Registrar, Maulana Azad National Urdu University	2022

12.	Vector Space and Basic Properties	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
13.	Similar Matrix and Diagonalization of Matrix	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
14.	Quadratic Forms	978-81-98803-7-8	Registrar, Maulana Azad National Urdu University	2024
15.	Interpolation with Equal Intervals	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024
16.	Interpolation with Unequal Intervals	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024
17.	Numerical Differentiation and Numerical Integration-I	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024
18.	Numerical Integration-II	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024
19.	Ordinary Differential Equations	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024
20.	Second and Fourth Order Runge-Kutta's Methods	978-81-972234-7-1	Registrar, Maulana Azad National Urdu University	2024

Participation in National and International Conferences/Workshops:

1. Participated in the International Conference on Modelling of Engineering and Technological Problems (ICMETP-2009) held at BMAS Engineering College, Keetham, Agra during 14-16 January, 2009.
2. Participated in the International Conference on Recent Trends in Mathematics and its Applications (ICRTMA-09) held at Jamia Millia Islamia, New Delhi during 30-31 March, 2009.
3. Participated in the Satellite Conference on International Congress of Mathematicians 2010 (ICM 2010) on Mathematics in Science and Technology during 14-17 August, 2010.
4. Participated and presented a paper entitled "A new thresholding method for denoising speech signal using wavelet packet transform" in the International Conference on Analysis and its Applications held at Aligarh Muslim University, Aligarh on Nov. 19-21, 2011.
5. Participated in the International workshop on wavelets, frames and applications held at Kirori Mal College, New Delhi, India during 15-21 Dec. 2011.
6. Participated and presented a paper entitled "Applications of wavelets in image denoising" in the National Conference on Applied Mathematics and Computational Physics (NCAMCP) held at Hindu College, Moradabad, India during 25-26, Feb., 2012.
7. Participated in a one day seminar cum workshop on Mathematics and Computing held at Delhi Technological University (Formerly Delhi College of Engineering) Shahbad Daultpur, Delhi, India on March 22, 2012.
8. Participated in International Conference on Emerging Mathematical Methods, Models and Algorithms for Science and Technology held at Gautam Buddha University, Greater Noida, U.P. during 15-16 Dec., 2012.
9. Participated in a one day workshop on Cyber Security & Malware Analysis held at Maulana Azad National Urdu University, Hyderabad, India on Nov., 2, 2016.
10. Participated in the National Urdu Science Congress held at Maulana Azad National Urdu University, Hyderabad, India during 16-17 Feb., 2017.

11. Coordinated and Managed Tech-Turing- 2017 as faculty Coordinator, organized by School of Computer Science and Information Technology on March 07, 2017.
12. Participated in the International Conference on Emerging Trends and Issues in Information Technology & Communication, held at Maulana Azad National Urdu University, Hyderabad, India, during 17-18 March, 2018.
13. Member of Organizing Committee for the National Conference on Emerging Trends and Issues in Information Technology & Communication, held at Maulana Azad National Urdu University, Hyderabad, India, during 17-18 March, 2018.
14. Session Repertoire for the National Conference on Emerging Trends and Issues in Information Technology & Communication, held at Maulana Azad National Urdu University, Hyderabad, India, during 17-18 March, 2018.
15. Coordinated and Managed Tech-Turing- 2018 as faculty Coordinator, organized by School of Computer Science and Information Technology on March 13, 2018.
16. Participated in the National Urdu Science Congress held at Maulana Azad National Urdu University, Hyderabad, India during 25-26 Feb., 2020.
17. Participated in the Workshop on Development of Programme Guides of ODL Programmes on 03rd December 2021 organized by the STRAQ Unit, Directorate of Distance Education, Maulana Azad National Urdu University, Hyderabad.
18. Participated in the Two-Day Orientation Program for Teaching Faculty of DDE on 24-25 January 2022 organized by the STRAQ Unit, Directorate of Distance Education, Maulana Azad National Urdu University, Hyderabad.
19. Acted as a member of organizing committee in the Online International Symposium on Differential Geometry and Its Applications organized by the Department of Mathematics, School of Sciences, Maulana Azad National Urdu University, Hyderabad, India during March 30-31, 2022.
20. Participated in the One Day workshop on SLM Writing on 24 May 2023 organized by the STRAQ Unit, Directorate of Distance Education, and the Centre for Professional Development of Urdu Medium Teachers, Maulana Azad National Urdu University, Hyderabad.
21. Participated in the "Authors Workshop on Academic Writing to Develop Textbooks for Higher Education in Urdu Language" to be held on 15th and 16th October 2024,
22. Participated in the Two-Day Orientation cum workshop Program for RDs/ARDs of DDE on 13-14 July, 2023 organized by the STRAQ Unit, Directorate of Distance Education, Maulana Azad National Urdu University, Hyderabad.
23. Participated in a Two-Day Workshop on "Content Development" during 27-28 October 2025 organized by the STRAQ Unit, Centre for Distance and Online Education (CDOE), Maulana Azad National Urdu University, Hyderabad.

Personal Details:

Father's Name : Mr. Qamar Mohd. Khan
 Date of Birth : 11th December, 1983
 Marital Status : Married

Languages Known:

Urdu, English and Hindi

References

1. Prof. Abdul Wahid, Department of Computer Science & I.T., Maulana Azad National Urdu University, Hyderabad, India, 500032.
2. Prof. Khalil Ahmad, Retd. Professor, Department of Mathematics, Jamia Millia Islamia, New Delhi.

Kashif Khan

Place: Hyderabad

Date: 01-01-2026

(KASHIF KHAN)