DR. SHAVEJ ALI SIDDIQUI
Assistant Professor (Mathematics)
Department of Applied Sciences and Humanities
Faculty of Engineering &Technology
Khwaja Moinuddin Chishti Language University, Lucknow
(Uttar Pradesh State Government University), India
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Objective:

- Seeking to be a part of your reputed institution as a faculty member of Mathematics Department to secure a position with your well established organization with a stable environment that will lead to a lasting relationship and to obtain a position that will enable me to use my organizational skills, educational background, and ability to work well with people.

Academic Qualifications: 04

- Awarded **Ph.D.** in **Mathematics** in the field of **Operation Research** from Dr. B.R. Ambedkar University, Agra in the year 2013

- **M.Phil.** (Mathematics) from Vinayaka Mission University, Salem, Tamilnadu, India in the year 2009

- **M.Sc.** (Mathematics) from Aligarh Muslim University, Aligarh in the year 2003

- **B.Sc.** (Mathematics) from Lucknow University, Lucknow in the year 1999

Topic of Ph. D Thesis: 01

- **Optimization of Queueing Models with Bulk Services.**

Topic of M.Phil. Dissertation: 01

- On Some Structures in a Differentiable manifold.

Field of Specialization: 02

- Operation Research and Differential geometry.

Teaching Experience: 04

Total Teaching Experience: **17 Years**

- Presently working as an Assistant Professor in the Department of Applied Sciences & Humanities, Faculty of Engineering & Technology at Khawaja Moinuddin Chishti Language University, Lucknow (U.P State Government University), Uttar Pradesh (INDIA) since **26 May 2020 to till now**.

- Worked as an Assistant Professor (temporary) in the Department of Applied Sciences & Humanities, Faculty of Engineering & Technology at Khawaja Moinuddin Chishti Language University, Lucknow (U.P State Government University), Uttar Pradesh (INDIA) since **01 September 2019 to 25 May 2020** (University has not provided its Experience certificate, Bank statement only)

- Worked as an Associate Professor in the Department of Humanities & Applied Sciences, Sagar Institute of Technology & Management, affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh (INDIA) since **05 September 2006 to 31 August 2019.**

- Worked as a Lecturer in the Department of Mathematics, Bright Career Girls Degree College, affiliated to Lucknow University, Lucknow (India) since **01 August 2005 to 02 September 2006.**

Administrative work & Skills at Sagar Institute of Technology & Management: 01

- Worked as member of Centre controller team at the Examination Centre in Gautam Buddh Technical University, Lucknow, Uttar Pradesh (INDIA) in Session 2012-13.

Administrative work & Skills at KMC Language University: 08

- Deputy Controller of Examination at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2020-21.

- Warden Boys Hostel at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2020-21.

- Worked as Observer (Flying Squad) at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2020-21

- Nodal Officer of Horticulture at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2020-21.

- Member of Proctorial Board at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2020-21.

- Convenor Admission cell at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2021-22.

- Worked as Criteria Sub – In charge in NAAC Assessment at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in the Session 2022-23.

- Member of organized the seventh convocation at Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh (INDIA) in Session 2022-23.

Paper Setter in Examination at Khawaja Moinuddin Chishti Language University: 17

The following Paper Setter, date wise in the given bellow:

- Course Name: B. Tech
  Paper Name: Elementary Mathematics-I(Biotechnology)
  Paper Name: Engineering Mathematics-I (CSE, ME, CIVIL, AI & ML)
  Semester – I (10 Feb 2021) in the Session 2020-21.

- Course Name: **Empanelment of Guest Faculty**
  Paper Name: B.Sc. (Hons.) Mathematics
  40 objective type questions (18 Sep 2021) in the Session 2021-22.

- Course Name: B. Tech
  Paper Name: Elementary Mathematics-II(Biotechnology)
  Paper Name: Engineering Mathematics-II (CSE, ME, CIVIL, AI & ML, AI & DS)
  Semester – II (12 May 2022) in the Session 2021-22.

- Course Name: B. Tech
  Semester – I, Paper Name: Elementary Mathematics-I(Biotechnology)
  Semester – III, Paper Name: Statistical Analysis for Data Science (AI & DS)
  (18 Nov 2022) in the Session 2022-23.

- Course Name: B. Tech (Biotechnology)
  Paper Name: Elementary Mathematics-II
  Semester – II (03 May 2023) in the Session 2022-23.

- Course Name: B.Sc. (Hons.) Mathematics
  Semester – I, Paper Name: Calculus
  Semester – III, Paper Name: P.D.E & system of O.D.E
  Semester – III, Paper Name: Theory of Real Functions
  (13 Jan 2023) in the Session 2022-23.

- Course Name: B. Tech
  Paper Name: Elementary Mathematics-I(Biotechnology)
  Paper Name: Engineering Mathematics-I (AI&ML, CSE, ME, CE, AI&DS)
  Semester – I (26 Sep 2023) in the Session 2023-24.

- Course Name: B.Sc. (Hons.) Mathematics
  Paper Name: Mathematical Finance
  Semester – V (20 Sep 2023) in the Session 2023-24.

- Course Name: B. Tech
  Paper Name: Statistical Analysis for Data Science (AI&DS)
  Semester – III (20 Sep 2023) in the Session 2023-24.

- Course Name: B.Sc. (Hons.) Mathematics
  Semester – V, Paper Name: Integral Transforms and Fourier Analysis.
  Semester – I, Paper Name: Differential Calculus and Integral calculus.
  (13 Oct 2023) in the Session 2023-24.

Moderator in Examination at Khawaja Moinuddin Chishti Language University: 01

- Course Name: B. Tech
  Paper Name: Elementary Mathematics-I and Engineering Mathematics-I
  Semester – I (22 Dec 2022) in the Session 2022-23.

Life Membership: 02

- Society of Statistics, Computer and Applications.
- Global Academy Society.

Editorial Board Membership: 01

- Edwin Group of Journals, Madhya Pradesh, India

Patent: 02

- Title of the Invention: **Robotics based Project Planning and Analyzing Engineering Changes in Manufacturing Systems.**
  Application No. – 202211044415 A
  Publication Date – 19/08/2022

- Title of the Invention: **A System, Method and Device for Facial Expression Synthesis.**
  Application No. – 202311047049
  Publication Date – 12/07/2023

Published Papers: 15

- Shavej Ali Siddiqui: The entitled **"Optimization of Interdependent Queueing Model with Bulk Service Having Variable Capacity"**, The Sapience *"International Release of Mathematics and Mathematical Sciences"*, IRMMS "An International Open Access Journal, **peer-reviewed and refereed journals**" Vol.1, No.1 (2017), 16-25.

- Shavej Ali Siddiqui: The entitled **"Hsu – Structure in the Cartesian product Manifoid"**, *"International Journal of Creative Research Thoughts"*, IJCRT "An International Open Access Journal, **peer-reviewed and refereed journals**" Vol. 5, 4 December 2017; 2433 - 2438.

- Shavej Ali Siddiqui: The entitled **"On Almost Complex Manifold in Complex Structure{F}"**, *"International Journal of Creative Research Thoughts"*, IJPUB "An International Open Access Journal, **peer-reviewed and refereed journals**" Vol. 6, 1 Jan. 2018, 62-69.

- Shavej Ali Siddiqui: The entitled **"Optimization of Multiple Server Interdependent Queueing Model with Bulk Service"**, *"International Journal of Creative Research Thoughts"*, IJCRT "An International Open Access Journal, **peer-reviewed and refereed journals**" Vol. 8, 4 April 2020, 483-491.

- Shavej Ali Siddiqui: The entitled **"Queueing system with Interdependent arrival and service processes"**, *"Journal for Basic Sciences"*, JBS "Scopus Active and Ugc – Care Group – II Journal" Vol. 20, Issue 2, 2020, page 72 – 77, ISSN: 1006 – 8341 Online, DOI:10.37896/JBSV20.2/1410 **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Optimization of a Queueing Model"**, *"Turkish Journal of Computer and Mathematics Education"*, TURCOMAT An International refereed (Peer – Reviewed) Journal" Vol. 12 No. 2, 5 April 2021, 3025 - 3028. **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Optimization of a Queueing System with Inverse Gaussian Service Pattern"**, "Journal of Mathematical and Computational Science", "JMCS, An International Peer – Reviewed refereed open Access Journal" Vol.11, No. 4, June 2021, 4686 – 4694. **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"The General Quadratic Equation on the tangent bundle"**, *"Journal of Huazhong University of Science and Technology"*, "JHUST, it is a Peer – Reviewed refereed International Journal" Vol. 50, Issue 06, June -2021, ISSN-1671-4512. **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Thermal Stress in Bonded Dissimilar Elastic Half Planes Containing a Griffith Crack at the Interface"**, *"Indian Journal of Scientific Research"*, "IJSR, it is a Multidisciplinary **peer-reviewed** International Journal of Science and Technology" Vol. 12(1), August-2021 ,41-45, ISSN :2250 – 0138.

- Shavej Ali Siddiqui: The entitled **"On a structure defined by a tensor field f_λ with complimented frames satisfying $f^3 - \lambda^3 f$"**, *"High Technology Letters"*, HTL JOURNAL, Vol. 28, Issue 6, June – 2022, 284 – 295, ISSN: 1006 – 6748.**(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Two Server Interdependent Queueing Model with Bulk Service"**, *"Tanz Journal"*, TJ "Scopus Active and Ugc-Care Group – II Journal" Vol. 18, Issue 03, March 2023, page 29 – 37, ISSN: 1869 – 7720 Online, DOI:10.61350/TJ5234 **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Bone Crack Inspired Pair of Griffith Crack opened by forces at crack faces"**, *"Mechanics of Advanced Materials and Structures"*, **Taylor & Francis**, Vol. 30,12 Sep 2023, Print ISSN: 1537-6494 Online ISSN: 1537-6532 Only journals in the Clarivate Science Citation Index Expanded (**SCIE**), Social Sciences Citation Index (**SSCI**), Arts and Humanities Citation Index (**AHCI**) and the Emerging Sources Citation Index (**ESCI**) have an Impact Factor, the journal's highest subject category ranking in the Journal Citation Reports. **Q1 = 25%** of journals with the highest Impact Factors. https://doi.org/10.1080/15376494.2023.2253019 **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Horizontal Lifts of the metallic structures from manifold onto tangent bundle"**, *"International Journal of Creative Research Thoughts"*, IJCRT "An International Open Access Journal, **peer-reviewed and refereed journals**" Vol. 11, Issue 10, 31 October 2023, page 504 – 511, ISSN: 2320 – 2882 Online http://doi.one/10.1729/Journal.36684

- Shavej Ali Siddiqui: The entitled **"Modeling of White Layer Thickness During EDM of AISI 4340 Using Cu – W tool"**, has been published in the "Journal of the Institution of Engineers (India): series D" in **Springer Nature**. Vol. 104, issue 1, 01 Nov 2023, Print ISSN: 2250-2130 Online https://doi.org/10.1007/s40033-023-00577-5 **(Scopus)**

- Shavej Ali Siddiqui: The entitled **"Interdependent Queueing Model with variable service capacity"**, *"Journal for Basic Sciences"*, JBS "Scopus Active and Ugc-Care Group – II Journal" Vol. 23, Issue 11, 4 November 2023, page 83 – 88, ISSN: 1006 – 8341 Online, DOI:10.37896/JBSV23.11/2671 **(Scopus)**

Published Book: 01

- The entitled "**A Text Book of Discrete Mathematics**" which has been published in First Edition in 2023 with ISBN: 978–81–19832–20–0 in AGPH Books (Academic Guru Publishing House), Bhopal (M.P.)

Published Edited book: 01

- The entitled **"Recent Research Research in Mathematical Statistical and Computational Sciences"** which has been published the edited book in 2023 with ISBN : 978–93–91248–76–5 in MKSES Publication & Journals, registered by : Govt. of UP and ordinance No. 21 of 1860Reg. No. LUC/03140/UP/India and registered by : Govt. of India, NITI Aayog, Reg. No. UP/2019/0248444

Published Chapter in Edited book: 01

- Chapter entitled "**Improper Integrals**" which has been published in the edited book titled "Recent Research in Physical and Chemical Sciences Volume – 2" in 2022 with ISBN : 978–93–91248–76–5 in MKSES Publication & Journals, registered by : Govt. of UP and ordinance No. 21 of 1860Reg. No. LUC/03140/UP/India and registered by : Govt. of India, NITI Aayog, Reg. No. UP/2019/0248444

Papers Presented in Conferences/Seminars: 04

- A Paper presented entitled "Queueing system with Interdependent arrival and service processes" in the **International Conference** on "Role of Multidisciplinary Studies in Environment Protection" held in Narain College, Shikohabad, held on 23rd February 2020, Uttar Pradesh – 283135, INDIA

- A Paper presented entitled "Interdependent Queueing Model with Variable Service Capacity" at the **One – day International Seminar** on "Matric Spaces and Fixed – point Theory" organized by the Department of Mathematics, Assam Don Bosco University on 27th January 2023, INDIA

- A Paper presented entitled "Two Server Interdependent Queueing Model with Bulk Service" in the **"International Geometry Symposium in Memory of Prof. Erdogan ESIN"** held on 9th and 10th February 2023, Gazi University, Ankara – Turkiye.

- A Paper presented entitled "Horizontal lifts of the metallic structures from manifold onto tangent Bundle" in the **National seminar** on **"National Education Policy 2020: Outcomes Based Education"** Sponsored by Department of Higher Education (Government of Uttar Pradesh), held on 21st and 22nd March 2023 organized by the Department of Business Administration, Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh, INDIA

Achievement: 01

- **Best Faculty Award** in the International scientist Awards on Engineering, Science and Medicine, held on 8th and 9th July 2022 organized by VDGOOD, Professional Association.

Organized Event: 01

- **Organized an Online Essay Writing competition** on the theme of Women's safety, Respect and Empowerment organized under Mission Shakti Programmes (17th to 25th October 2020) held at Khawaja Moinuddin Chishti Language University, Lucknow on 21st October 2020.

Orientation Programme: 01

- Attended in **Online Orientation Programme** from September 2nd – September 28th, 2022 has successfully completed the programme and obtained Grade 'A' organized by Ishwar Saran PG College, University of Allahabad, Prayagraj – 211004(U.P) in the collaboration with Agra College, Agra under the scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), Ministry of Education, GOVT. OF INDIA.

Refresher Course: 02

- Attended in the Third Online **Two – Week Refresher Course in Basic Sciences organized by the UGC – HRDC**, Jamia Millia Islamia, New Delhi from 02 August to 18 August 2022 and obtained grade 'B'.

- Attended & completed successfully **Two Weeks "Refresher Course in Mathematics (Theme: Python and Vedic Mathematics)"** organized by the Teaching Learning Centre & Department of Mathematics, Ramanujan College, University of Delhi under the aegis of MINISTRY OF EDUCATION, PMMMNMTT during 13 -26 July, 2023 and obtained Grade **A⁺**.

Short Term Training Programme: 01

- Participated in **One week online Short-Term Training programme** on "Linear Algebra and Statistics for Engineers and Scientists (LA & SES – 2020)" organized by Government College of Engineering, Aurangabad, under Technical Education Quality Improvement Programme (TEQIP – III), during 02ⁿᵈ Sept. to 06ᵗʰ Sept. 2020.

Attended Faculty Development Programme: 03

- Participated & completed successfully in **Two Weeks Faculty Development Programme** on "ENHANCING PSYCHOLOGICAL SKILLS FOR TEACHING & PRACTICE" from September 15 - September 29, 2020 Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT.

- Participated & completed successfully AICTE Training and Learning (ATAL) Academy **Online Faculty Development Programme** on "Leadership & Excellence" from 2020-10-12 to 2020-10-16 at Central University of Jammu.

- Participated and successfully completed the National Level **Faculty Development Program** on "Analysis of Engineering system using Creo" (01ˢᵗ Aug – 6ᵗʰ Aug 2022) organized by Bharatiya Vidya havan's Sardar Patel College of Engineering in collaboration with SAE India Western Section, Invensys CAD Solution and Indian Institution of Industrial Engineering under IQAC SPCE.

Workshops: 03

- Participated in the **One – Day Workshop** on "Advancements in Research methodology" organized by Sagar Institute of Technology & Management, Barabanki on 11th April 2015.

- Participated in the **Online Workshop** "Linear Algebra, Matrix Theory and Linear Estimation" on 02nd September 2022 under the Society of Statistics, Computer and Applications, Chittranjan Park, New Delhi – 110019

- Contributed and completed as Participant in **One – Week National workshop** on "Entrepreneurship & Innovation: emerging Career Opportunity for Youth" organized by Department of Commerce, Centre of Excellence, held on 23rd – 29th March, 2023 in Khawaja Moinuddin Chishti Language University, Lucknow, Uttar Pradesh, India.

- Participated in the **e – Workshop** on "Horizons of Natural Sciences" jointly organized by the School of Basic and Applied Sciences, MAU, Baddi in association with KMC Language University, Lucknow on May 31, 2023

Participated in Conferences/Seminars: 09

- Participated in the **"Tensor Society on Application of Tensors and Differential Geometry"** July 5-6, 2008, Department of Mathematics, Sri Ram Swaroop Memorial College of Engineering & Management, Lucknow, India.

- Participated in the **"A Conference of the National Symposium"** on **"Modern Trends in Differential Geometry & Mathematical Modelling in Bio-Sciences"** held on 24-25, Dec. 2008 organized by Department of Mathematics and Astronomy, University of Lucknow, Lucknow.

- Participated in the "A Conference of the **IIndNational Symposium** on **"Modern Trends in Differential Geometry & Mathematical Modelling in Bio-Sciences"** held on 09-10, Jan. 2010 organized by Department of Mathematics and Astronomy, University of Lucknow, Lucknow

- Participated in **"Five Days International e-Seminar on Recent Research in Mathematics (ISRRM-2020)"** from 11th to 15th September, 2020 organized by Department of Mathematics, School of Science, Gandhi Institute of Technology and Management, Bengaluru.

- Participated in an **International webinar** on "Ways to Counter Social And Health Issues Emerging Due to Pandemic COVID – 19" organized by Khawaja Moinuddin Chishti Language University, Lucknow– 226013(U.P) in the collaboration with Department of Endocrine Surgery, King George's Medical University, Lucknow, India under the kind patronge of Smt. Anandiben Patel, Hon'ble Governor, Uttar Pradesh and Chancellor of State Universities.

- Participated in the National Level Online Quiz on "School Safety Awareness Course Quiz" organized by ASHIRWAD EDUCATION CENTER, Ahmedabad, Gujarat, India.

- Contributed as Member Organizing Committee in the Registration Committee on 28th – 01st October 2022, held at Khawaja Moinuddin Chishti Language University, Lucknow under the Celebration of Sports, Arts and Culture.

- Certificate of Recognition My **NEP** Ambassador for the valuable contribution towards promoting the National Education Policy 2020.

- Participated in **National Seminar** on "Entrepreneurship Development on the Occasion of World Entrepreneurship Day", 21st August 2023 Organized by Department of Commerce, Khawaja Moinuddin Chishti Language University, Lucknow
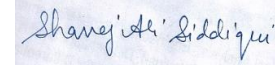
Taught the Topics:

- Engineering Mathematics, Elementary Mathematics
- Numerical Analysis
- Linear Algebra, Matrices, Remedial Mathematics
- Differential Calculus, Vector Calculus, Multiple Integrals
- Differential Equations, Series Solution, Special Functions
- Fourier Series, Fourier Transform Laplace Transformation.
- Probability & Statistics.

Personal Information:

- Father's Name   : Late Mahmood Ali Siddiqui
- Date of Birth   : 1st January1978
- Nationality   : Indian
- Marital Status   : Married
- Kids   : Two

- Languages Known : English, Hindi, Urdu
- Religion : Islam (Muslim)

- Place of Birth : Sitapur
- Correspondence Address : Flat No. -11 , Type -4 , Campus
  Khwaja Moinuddin Chishti Language
  University, Lucknow (India)
- Permanent Address : Village – Pipra Mill , Post – Hargaon
  District – Sitapur (Uttar Pradesh)

Dr. Shavej Ali Siddiqui