FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	TAJENDER	Last Name	KUMAR	Photograph
Designation	Assistant Professor					
Department	Mathematics					
Address (Official)	Department of Mathematics Kalindi College East Patel Nagar, Patel Nagar, New Delhi, Delhi-10008					
Phone No.	+917417837644					
Email	tajenderkumar@kalindi.du.ac.in					

Education

Course	Institution	Year
Ph.D.	Indian Institute of Technology Roorkee, Roorkee	2019
M.Sc. Mathematics	Indian Institute of Technology Delhi, New Delhi	2012
B.Sc.(H) Mathematics	Banaras Hindu University, Varanasi	2010

Career Profile

Organisation/Institution	Designation	Duration	Role
Kalindi College	Assistant Professor (Ad-hoc)	06.08.2019 to 02.02.2024	Undergraduate Teaching
Kalindi College	Assistant Professor	03.02.2024 to Till Now	Undergraduate Teaching

Research Interests/Specialization

Cryptography and Applied Abstract Algebra.

Administrative Assignments / Contribution to corporate life

Project Member: Applications of Cryptography, Session 2019-2020

Teaching Experiences (Subject/Courses taught)

- **B.Sc.(H) Mathematics (Paper description):** Probability Theory and Statistics, Discrete Mathematics, and Complex Analysis.
- **B.A. Prog. (Paper description):** Statistics and Differential Equations

Research Guidance

Publication (Peer Reviewed/Indexed Journals)

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2019	The Cryptographic Properties of Feistel Network-Based Quasigroups	Advances in Intelligent Systems and Computing (21945357)	Sugata Gangopadhyay

Seminar/Workshop/Conferences Presentation/Organisation

- The **13th National Workshop on Cryptology 2013 (NWC-2013),** organized by Scientific Analysis Group (SAG), Defence Research & Development Organisation (DRDO), New Delhi, under the aegis of Cryptology Research Society of India (CRSI), was held during 3-5 October 2013 at the Conference Centre of Delhi University North Campus.
- I attended **3rd International Conference on Soft computing for Problem Solving** (**SocProS- 2013**) as

- a volunteered, organized by Saharanpur Campus of IIT Roorkee, during 26-28 December 2013 at Greater Noida Extension Centre of IIT Roorkee.
- The **National Instructional Workshop on Cryptology (NIWC-2014),** organized by Department of Mathematics, MNIT Allahabad & Cryptology Research Society of India (CRSI), was held during 5-9 June 2014 at MNIT Allahabad.
- The **National Instructional Workshop on Cryptology (NIWC-2015),** organized by Department of Mathematics & Statistics, HPU Shimla & Cryptology Research Society of India(CRSI), was held during 18-22 May 2015 at Himachal Pradesh University, Summer Hill, Shimla.
- The **National Workshop on Cryptography (NWC-2015) (Sponsored by NBHM and LNMIIT),** organized by Department of Mathematics, The LNM Institute of Information Technology, Jaipur, was held during 14-20 December 2015 at The LNM Institute of Information Technology, Jaipur.
- The **National Workshop on Cryptology (NWC-2016),** organized by Cryptology Research Society of India (CRSI), Indian Statistical Institute, Kolkata and IETE Shivamogga Centre, was held at J. N. N. College of Engineering, Shimoga, Karnataka during 11-13 August 2016.
- The **National Instructional Workshop on Cryptology (NIWC-2017),** organized by Sharda University, Greater Noida & Cryptology Research Society of India (CRSI), was held during 06-08 October 2017 at Sharda University, Greater Noida.
- I actively participated in **22nd International Conference on Cryptology**, organized by CRSI (Cryptology Research Society of India) and LNMIIT Jaipur, during 13-15 December 2021 at held at the LNM Institute of Information Technology, Jaipur India.

Faculty Development Programme

- The Faculty Development Programme on "**Blockchain Technologies and Applications (BCT-2020)**", organized by Department of Computer Science & Engineering and Information Technology, Jaypee Institute of Information Technology, Noida was held during 28 December 2020-02 January 2021 at Jaypee Institute of Information Technology, Noida.
- The Interdisciplinary Faculty Development Programme on "**MOOC's, E-Content Development, Research Methodology and Statistical Tools in Open Education World**", organized by Kalindi College, University of Delhi, in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi was held during 03 August-17 August 2021 at Kalindi College, University of Delhi.
- The AICTE-ISTE approved Orientation/Refresher Programme on "**Faculty Development Programme on on Cyber Security**", organized by The LMNIIT Institute of Information Technology, Jaipur, Rajasthan was held during 03 January-08 January 2022 at The LMNIIT Institute of Information Technology, Jaipur, Rajasthan.
- The Interdisciplinary Faculty Development Programme on "**Applications of AL-Machine Learning and Soft Computing Techniques**", organized by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi was held during 29 January-03 February 2022 at Kalindi College, University of Delhi.

Awards & Distinctions

CSIR NET Qualified (June 2019)
Best Paper award in IEMIS-2018
IIT-GATE Qualified (2012)
IIT-JAM Qualified (2010)

Public Service/ University Service/ Consulting Activity

Professional Societies Memberships

Life-Member of CRSI (Cryptology Research Society of India) with id L/0773.

Projects (Major Grants/ Collaborations)
Development of a unified approach concerning the cryptographic and combinatorial properties of Boolean functions and their generalizations DST's Sanction Order No: DST/INT/BLR/P-17/2016.
Other Details
- I was elected as President in Department of Mathematics, IIT Roorkee from Jul-2014 to June-2016.   - I was elected as Social and Cultural Secretary and Member Secretary in Azad Bhawan, IIT Roorkee from Jul-2015 to June-2016.   - I have NCC (B) Certificate.   - I have completed a two-year UG Diploma course in German language.

<u>Dr. Tajender Kumar</u>