


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					
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Education

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

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.

Dr. Tajender Kumar

