

FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	ABHISHEK	Last Name	KUMAR SINGH	Photograph
Designation	ASSISTANT PROFESSOR					
Department	MATHEMATICS					
Address (Official)	KALINDI COLLEGE (UNIVERSITY OF DELHI), EAST PATEL NAGAR, NEW DELHI-110008					
Phone No.	9015737554 8375834510-W					
Email	abhishek@kalindi.du.ac.in					

Education

Subject	Institution	Year	Details
Ph.D. (Topology-Mathematics)	Patna University	2009	
M.Sc. (Mathematics)	Patna University	2002	First div
B.Sc.(H)(Mathematics)	B.R.A. Bihar University	1999	First div
I. Sc.	B.I.E.C. Patna	1994	First div
Matriculation	B.S.E.B. Patna	1992	First div

Career Profile

Organization/Institution	Designation	Duration	Role
Kalindi College (Delhi University)	Assistant Professor	Nov 2010 to till date	teaching
PGDAV College (Delhi University)	Assistant Professor (Ad-hoc)	Aug- Sep 2010	teaching
DIT (Greater Noida) UPTU	Lecturer	Jan- July 2010	teaching
PG Department of Mathematics (Patna University)		July 2008- Dec 2009	teaching
Science College (Patna University)		July 2003- May 2009	teaching

Research Interests/Specialization

Ph.D. in Topological Vector Spaces. (Topology-Mathematics).

Topic- **A critical study of Locally Convex Spaces and their properties.**

Specialization- Topology, Functional Analysis.

Administrative Assignments / Contribution to corporate life

Teaching Experiences (Subject/Courses taught)

Subjects:

Topology, Functional Analysis, Modern Algebra, Real Analysis, Calculus, Differential equations, Operation Research etc.

Courses:

M.Sc. (Mathematics), MBA, B. Tech., B.Sc. (H), B.A (Prog.).

Research Guidance

Publication (Peer Reviewed/Indexed Journals)

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2009	Fixed Point Property in Metrizable Locally Convex Spaces.	Aryabhata Research Journal, Vol 12, ISSN 0972-2432	
2009	Barrelled Spaces of Large Density.	N.I.A.R.J. , Vol 2, ISSN 0975-1726	Dr. K.C. Sinha
2009	Archimedean Property on Topological Vector Spaces.	N.I.A.R.J. , Vol 3, ISSN 0975-1726	Dr. K.C. Sinha
2010	Equicontinuity of Bilinear Mappings on Topological Vector Spaces.	Patna university journal, Vol 34, ISSN 0031-3092	Dr. K.C. Sinha
2011	Effect of Compactness on Cone Superefficient Point Set in Locally Convex Spaces.	The Mathematics Education, Vol xlv, ISSN 0047-6269	
2015	Effect of Mackey Topology on Locally Convex Housdorff Spaces.	Academic Journal, Kalindi college, Vol 14, ISSN 2348-9014	
2016	Vedic Ganit: Vigyan ka udgam	Academic Journal, Kalindi college, Vol 15, ISSN 2348-9014	
2017	Extension of Wavelets: Shearlets.	Academic Journal, Kalindi college, Vol 16, ISSN 2348-9014	

Seminar/Workshop/Conferences Presentation/Organisation

1. National Conference on History of Mathematics and Recent Developments.
(Patna University, March 2006)
2. First Bihar Science Conference by Bihar Brains Development Society.
(My presented paper "Fixed Point Property on Metrizable Locally Convex Spaces.")
(Patna University, May 2008)
3. Seminar on Mathematical Modeling and Applications.
(Kamla Nehru College, University of Delhi, March 2011)
4. National Conference of Recent Developments in Mathematics and Related Areas.
(My presented papers "Equicontinuity of Bilinear Mappings on Topological Vector Spaces.")
(Patna University, Dec 2012)
5. Workshop on Foundation Course.
(Centre for Professional Development in Higher Education, University of Delhi, June 2013)
6. RMS-UGTE Workshop on "Finite Group and Applications".
(Deshbandhu College, University of Delhi, Feb 2014)
7. National Seminar on Linear Optimization and its Application.
(My presented paper "Barrelled Spaces of Large Density.")
(V K S University, Bihar, May 2015)
8. National Seminar of Hindi.
(My presented paper "Madhyakalin Sahitya me Bhartiya Vedic Ganit ka Vistar.")
(Kalindi College, University of Delhi, March 2016)
9. National Seminar on Problems and Prospects of Human Resource Development in Bihar.
(My presented paper "Relations in a Family and Economical Mathematics.")
(M.M.Mahila Mahavidyalya, Ara, Bihar, June 2016)
10. National Conference on Algebra, Analysis, Coding and Cryptography.
(Department of Mathematics, University of Delhi, October 2016)
11. Workshop on Skill Development on Latex and Statistical Techniques.
(Kalindi College, University of Delhi, October 2016)
12. National Seminar on Recent Development in Mathematics.
(My presented paper "Archimedean Property on Topological Vector Spaces".)

(Kalindi College, University of Delhi, January 2017)

13. National Seminar on Recent Development in Mathematics.

(My presented paper “ Extension of Wavelets: Shearlets”.)

(Kalindi College, University of Delhi, January 2017)

14. Workshop on Vedic Ganit.

(Kalindi College, University of Delhi, October 2017)

15. Seminar (online) on “An Overview of Cryptography: From Classical to Quantum and Post Quantum.

(Mahatma Gandhi Central University, Bihar, July 2020)

16. FDP on “Applications of Algebra and Number Theory in Network Security”.

(Hansraj College, University of Delhi, December 2020)

17. National Seminar- Bharat Manthan 2021

(My presented paper “Ganit Vigyan ka Bhartiya Chintan (Vedic Ganit ki Ujjawal Parampara)

[Sanskrit-Prachya Vidya Adhyayan Sansthan (J.N.U.) & C.C.S. University (Meerut) & I.A.K. (Delhi)]
(May-2021)

➤ One week online Interdisciplinary faculty development Programme on "**MOOC's, E-Content Development, Research Methodology and Statistical Tools**"
(Mahatma Hansraj Faculty Development Centre, Hansraj College during August 3-17, 2021.)

➤ Two weeks Online Workshop on "**Vedic Mathematics**"
(Mahatma Hansraj Faculty Development Centre, Hansraj College during December 2-13, 2021.)

➤ One Week (Online) Interdisciplinary Faculty Development Programme on "**National Education Policy 2020: Perspectives & Challenges**"
(Mahatma Hansraj Faculty Development Centre, Hansraj College during January 24-31, 2022.)

➤ One Week (Online) Interdisciplinary Faculty Development Programme on "**Applications of AI- Machine Learning and Soft Computing Techniques**"
(Mahatma Hansraj Faculty Development Centre, Hansraj College during January 29- Feb 3, 2022.)

➤ Two Days Orientation cum Workshop on "**हमारे समृद्ध वैदिक गणित की झलक**"
(Department of Mathematics and IQAC, Kalindi College in collaboration with शिक्षा संस्कृति उत्थान न्यास during February 10-11, 2022.)

➤ FDP on "**VAC- Vedic Mathematics-I**"
(Hansraj College, University of Delhi, October 19, 2022)

➤ International Conference on "Analysis and Its Applications" (ICAA-2023)

(My presented paper “Mathematics and Music Intervals.”.)

(Shivaji College, University of Delhi, Feb 27-28, 2023)

- Three Day Workshop on “**VAC-Vedic Mathematics-II**”.
(Kirorimal College, University of Delhi, April 11-13, 2023)
 - National Seminar- Bharat Manthan 2023
(**My presented paper “Ramanujan: Anant Gyan Ke Pratic”.**)
[NCWEB (University of Delhi), Sanskrit-Prachya Vidya Adhyayan Sansthan (J.N.U.) & C.C.S. University (Meerut) & I.A.K. (Delhi)] (Apr 29, 2023)
 - One Week Interdisciplinary Faculty Development Program on "**Ancient Indian Mathematics**"
(Indian knowledge system, Division of Ministry of Education, Govt of India collaboration with Aryabhatta College, University of Delhi during July 1-7, 2024.)
 - One Week Interdisciplinary Faculty Development Program on "**Recent Advances in Optimization: Theory and Practices**"
(Department of Mathematics, Jaypee Institute of Information Technology, Noida during July 15-20, 2024.)
 - UGC-Sponsored Faculty Induction Programme.
(CPDHE UGC-MMTTC- Centre for Professional Development in Higher Education- Malaviya Mission Teacher Training Centre, University of Delhi during July 15- August 20, 2024.)
- Online Training Programme on NEP 2020 Orientation and Sensitization Programme
(CPDHE UGC-MMTTC- during Oct 8- Oct 17, 2024.)
- Certificate Course cum workshop on “Microsoft Powerpoint using ai Tools”
(Sanatan Dharma College, Ambala Cntt, Kurukshetra University, Haryana- during Dec 11- Del 20, 2024.)
- Online Training Programme on NEP 2020 Orientation and Sensitization Programme
(CPDHE UGC-MMTTC- during March 3- March 11, 2025.)
- National Seminar on Integrating E-Content in Teaching-Learning Process.
(Kalindi College, University of Delhi – 20 Feb 2026.)
 - Online Refresher Course on "**MATHEMATICAL SCIENCES**"
(MH-MMTTC, Hansraj College, University of Delhi during July 2-15, 2026.)

Awards & Distinctions
1. Best faculty award at Vivekanand Siksha Daan Kendra aur Sodh Sansthan, Hajipur, Bihar,1995. 2. First prize in inter-university debate competition at Patna University (2002 and 2003). 3. First prize in inter-college debate competition of Ramkrishna Mission Ashrama, Patna,2003.
Public Service/ University Service/ Consulting Activity
Professional Societies Memberships
Projects (Major Grants / Collaborations)
Other Details (Book Publication)
“Basic Algebra” [Authors- Dr. Anju Gupta, Dr. Abhishek K. Singh, Mr. Sanjay Kumar, Mr. Ravi Kumar.] Shree Kala Prakashan, ISBN 81-86038-22-1