


## 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					
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### 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

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

### **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.]

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