


<b>Title</b>	Mr.	<b>First Name</b>	ARABIND	<b>Last Name</b>	KUMAR	<b>Photograph</b>
<b>Designation</b>	Assistant Professor					
<b>Address (Campus)</b>	Department of Mathematics, Vivekananda College, University of Delhi, Vivek Vihar, Delhi-95					
<b>(Residence)</b>						
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<b>Web-Page</b>	-					
<b>Educational Qualifications</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
<b>Ph.D.</b>	The NorthCap University, Gurgaon Haryana				<b>(Pursuing)</b>	
<b>M.Tech.</b>	IIT Kharagpur West Bengal				<b>2013</b>	
<b>M.Sc.</b>	D.A.V. College Kanpur, C.S.J.M. University, Kanpur UP				<b>2008</b>	
<b>B.Sc.</b>	R.M.P. College SITAPUR, C.S.J.M. University, Kanpur UP				<b>2006</b>	
<b>Career Profile</b>						
<b>Designation</b>					<b>Duration</b>	
<b>Assistant Professor</b>					<b>10 Year + Currently Working</b>	
<b>Administrative Assignments:</b> Working in Sport Committee and Equal Opportunity Cell						
<b>Subjects Taught:</b> Calculus, Differential Equation, Latex & HTML, Computer Algebra System, Statistics, Statistical Software: R, Transportation Problem & Network Flow, Algebra.						
<b>Research Guidance:</b> -						
<b>Publication's profile:</b>						
<ul style="list-style-type: none"> <li>• Arabind Kumar, Ram Baksh, Ranjan Kumar Thakur, Aditya Pratap Singh, “<b>Data Aggregation in Wireless Sensor Networks</b>” in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, 2014, pp. 249-251.</li> <li>• Ram Baksh, Ranjan Kumar Thakur, Arabind Kumar, Aditya Pratap Singh, “<b>Efficient Algorithm for Maximizing Life Time of Wireless Sensor Networks</b>” in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, 2014, pp. 244-248.</li> <li>• Ranjan Kumar Thakur, Ram Baksh, Arabind Kumar, Aditya Pratap Singh, “<b>Constraint Satisfaction Problem (CSP) Based Implementation of Scheduling Aircraft at Runway</b>” in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, 2014, pp. 271-280.</li> </ul>						

- Aditya Pratap Singh, Ranjan Kumar Thakur, Arabind Kumar, Ram Baksh, “**User Authentication Using Hand Images**” in International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, 2014, pp. 317-322.
- Arabind Kumar, Sanjay Yadav, Vinod Kumar, Jangirala Srinivas, “**A Cluster-based Data Aggregation Framework for WSN using Blockchain**” in Evolutionary Computing and Mobile Sustainable Networks, 2022, pp 661–672.
- Arabind Kumar, Sanjay Yadav, “**A New Image Encryption Scheme Using RSA Cryptosystem and Arnold Transformation**” in Advances in Computational Intelligence, Algorithms for Intelligent System, 2023, pp. 187-198.
- Arabind Kumar, Sanjay Yadav and Tarul Garg, "**Phase-Image-Encryption-Based Elliptic Curve and Double-Random-Phase Encoding**" in Engineering Proceedings MPDI.

#### **Conference organization/Presentations (in the last three years):**

- Presented a paper with title “**Cluster Based Data Aggregation in Wireless Sensor Network**” in Academia- Industry Consortium for Data Sciences (AICDS), 19-20<sup>th</sup> December 2020, Organized by College of Science and Technology (CST), Wenzhou-Kean University, Wenzhou, China.
- Presented a paper with title “**Cluster Based Data Aggregation Framework for WSN using Blockchain**” in International Conference on Evolutionary Computing and Mobile Sustainable Networks [ICECMSN-2021]. Organized by Department of CSE/ISE and Department of ECE, RV Institute of Technology and Management, Bengaluru, India on 28 & 29, September 2021.
- Presented a paper with title “**A Secure Framework for Wireless Sensor Network using Elliptic Curve Cryptography**” in National Conference on "Mathematical Techniques and Applications" (NCMTA-2021), Organized by Mahatma Gandhi Mahavidyalaya, Ahmedpur Dist. Latur, Maharashtra (INDIA) on 21 Dec. 2021.
- Presented and submitted a paper with title “**A New Image Encryption Scheme Using RSA Cryptosystem and Arnold Transformation**” in 6th International Conference On Advances in Computational Intelligence IJCACI 2022 Organized by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India and Jahangirnagar University, Bangladesh OCTOBER 15-16, 2022.

#### **Research Projects (Major Grants/Research Collaboration)**

##### **Awards and Distinctions:**

- CSIR-NET June (Rank-56) and December (Rank-72) 2009 (Mathematics).
- GATE- 2009 (AIR-526), 2010 (AIR-245) & 2011(AIR-159) (Mathematics).

##### **Other Activities**

- RMS-UGTE “Workshop on Finite Group and Applications” from 7<sup>th</sup> to 9<sup>th</sup> Feb 2014 organized by Deshbandhu College University of Delhi.
- Workshop on “Foundation Course (BMA)” from 1<sup>st</sup> to 2<sup>nd</sup> Feb 2014 organized by Center of Professional Development in Higher Education University of Delhi.

- Workshop on “LATEX” on 9<sup>th</sup> April 2016 organized by HANSHRAJ COLLEGE, University of Delhi.
- Workshop on “LATEX & HTML” on 27<sup>th</sup> August 2016 organized by ANDC, University of Delhi.
- I have attended a Two weeks Refresher Course on “DATA ANALYSIS WITH STATISTICAL METHODS” organized Ramanujan College, University of Delhi from 21st December, 2020 – 3rd January, 2021.
- I have attended a National Workshop on “Research Paper and Report Writing in Latex” organized by Northcap University, Gurugram on 1st October 2021.
- I have attended a International Webinar on “Introduction to MATLAB” organized by Department of Mathematics, JSSATE Noida on Sepetember17, 2021.
- I have attended a Two weeks Refresher Course on “DATA ANALYSIS WITH STATISTICAL METHODS” organized Ramanujan College, University of Delhi from 21st December, 2020 – 3rd January, 2021