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**Faculty Details proforma for DU Web-site**

**(PLEASE FILL THIS IN AND Email it to** [**websiteDU@du.ac.in**](mailto:websiteDU@du.ac.in) **and cc:** [**director@ducc.du.ac.in**](mailto:director@ducc.du.ac.in)

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Title |  | First Name | |  | Last Name |  | Photograph |
| Designation | | **Assistant Professor** | | | | | C:\Users\anupma\Desktop\anupama.jpg |
| Address | | **Flat #8, Block II, Faculty Flats, S.V. College Staff Qtrs.,**  **Benito Juarez Road, Dhaula Kuan, New Delhi - 110021** | | | | |
| Phone No Office | | **01127666658** | | | | |
| Residence | |  | | | | |
| Mobile | |  | | | | |
| Email | | **anupama.panigrahi@gmail.com** | | | | |
| Web-Page | |  | | | | |
| Educational Qualifications | | | | | | | |
| Degree | | | Institution | | | | Year |
| Post Doctoral Fellow | | | **Indian Statistical Institute, Kolkata** | | | | **2008 - 2009** |
| Ph.D | | | **Allahabad University(HRI)** | | | | **2008** |
| PG | | | **Universuty of Delhi** | | | | **1991** |
| UG | | | **Utkal University** | | | | **1988** |
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| Career Profile | | | | | | | |
| **Post Doctoral Fellow : Indian Statistical Institute, Kolkata, Nov 2008- Oct 2009**  **Assistant Professor: University of Delhi since 2009.** | | | | | | | |
| Administrative Assignments | | | | | | | |
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| Areas of Interest / Specialization | | | | | | | |
| **Specialization : Number Theory**  **Current Interests: Application of Number Theory in Elliptic Curve Cryptography.** | | | | | | | |
| Subjects Taught | | | | | | | |
| **2008-2009 Number Theory and cryptography, ISI, Kolkata**  **2009- Present :**  **Commutative Algebra**  **Module Theory**  **Field Theory**  **Representation of finite groups**  **Theory of non-commutative rings**  **Functional Analysis**  **Topology** | | | | | | | |
| **Research Guidance** | | | | | | | |
| ***Supervision of Post Doctoral Fellow:***  ***Dr. Rajni Goyal (Ph.D IIT,Roorkee) ,March 2015- March 2018 supported by NBHM.***  ***Supervision of Awarded Doctoral Thesis:***  *Manoj Kumar (2019): Design and analysis of symmetric cryptographic primitives, University of Delhi*  *Deepti Jain (2019) : 2-pointset Domination and Graphoidal Domination in Graphs, University of Delhi.*  *Rajesh Gupta (2019): Domination, Graphoidal Covers and Graphoidal Length in Graphs. University of Delhi.*  ***Supervision of Doctoral Thesis under Progress:***  Sobodh Kumar : Codes dealing with Repeated Burst and key Errorr control with Weight distribution, Submitted in 2020, Viva Awaited  Sonu Yadav: Work in Progress.  ***Supervision of Awarded M.Phil Dissertation :***    Vaishali Tanwar | | | | | | | |
| **Publications Profile** | | | | | | | |
| Optimal Differential Trails in Lightweight Block Ciphers ANU and PICO, Manoj Kumar, TS Suresh, SK Pal, Anupama Panigrahi, CRYPTOLOGIA, Vol 44, Issue 1, Pages 68-78, 2019  Few: A Lightweight Block Cipher, Manoj Kumar, SK Pal, Anupama Panigrahi, Turkish Journal of Mathematics and computer science, Vol 11, Issue 2, pages 58-73, 2019.  Secure and efficient diffusion layers for block ciphers, Manoj Kumar, Pratibha Yadav, SK Pal, Anupama Panigrahi, Journal of Applied Computer Science and Mathematics, Vol 11, Issue 2, Pages 15-20,2017  HeW: A hash function based on lightweight block Cipher FeW, Manoj Kumar, Dhananjoy Dey, SK Pal, Anupama Panigrahi, Defence Science Journal, Vol 67, Issue 6, Pages 636-644, 2017  On the structure of p-zero-sum-free sequences, W.D. Gao, R Thangadurai, Proc. Indian Acad. Sci.(Math Sci) Vol. 115, No 1, February 2005, pp.67-77.  **Conference Papers**  Introducing Biasedness in NSGA-II to Construct Boolean Function Having Best Trade-Off Among Its Properties, Rajni Goyal, Anupama Panigrahi, Proceedings of Sixth International Conference on Soft Computing for Problem, Solving pp 122-127,|2017.  Proposed method to construct Boolean functions with maximum possible annihilator immunity AIP , Rajni Goyal ,  Anupama Panigrahi , and  Rohit Bansal ,Conference Proceedings 1860, 020051 (2017); <https://doi.org/10.1063/1.4990350>  To get optimal bound of annihilator immunity by heuristic technique, Rajni Goyal,  Anupama Panigrahi, 2017, Publisher: IEEE, <https://ieeexplore.ieee.org/xpl/conhome/7966624/proceeding>  Proceedings of Sixth International Conference on Soft Computing forProblem Solving. PP, 122-127, SocProS 2016, Volume 1 | | | | | | | |
| Conference Organization/ Presentations (in the last three years) | | | | | | | |
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| Research Projects (Major Grants/Research Collaboration) | | | | | | | |
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| Awards and Distinctions | | | | | | | |
| * **Awarded NBHM Post Doctoral Fellowship in 2008.** * **Qualified CSIR-NET in 2003.** * **Qualified for Joint Entrance Screening Test in mathematics and joined HRI(Department of Atomic Energy, Govt of India, Allahabad) for Ph.D.** * **Awarded First position in B. Sc. Math(Hons) from Utkal University, Odisha.** | | | | | | | |
| Association With Professional Bodies | | | | | | | |
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| Other Activities | | | | | | | |
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Anupama Panigrahi

Signature of Faculty Member

* You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.