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

**(PLEASE FILL THIS IN AND Email it to** **websiteDU@du.ac.in** **and cc:** **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, 2019Few: 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.**

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| 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.