

**Professional Qualifications:**

- PhD–Guru Gobind Singh Inderprastha University Delhi,
- M.Tech(CSE), UPTU
- B.E. (CSE), C.C.S.University, Meerut

**Teaching Experience (in Years): 16 Years**

**Subjects of interest:** Design and analysis of algorithms, Digital Image Processing, Soft computing, Cryptography, Operating system, Compiler Design, Object oriented programming using C++

**Academic achievements:****1. International Journals (6)**

1. Ravindra kumar purwar, **Anchal Jain**, "*An evolutionary algorithm based multi scale digital image watermarking technique using discrete wavelet transform and singular value decomposition*", International Journal of Tomography and Simulation, ISSN 2319-3336, volume 30, issue 2, 2017. (SCOPUS Indexed)
2. **Anchaljain**, NavinRajpal, "*An image encryption algorithm robust to attacks using chaotic maps*", International journal of Tomography and Simulation, ISSN 2319-3336, volume 29, issue 1, 2016. (SCOPUS Indexed)
3. **AnchalJain** ,NavinRajpal, "*A robust Image Encryption algorithm resistant to attacks using DNA and chaotic logistic maps*", International Journal of Multimedia Tools and Applications, ISSN: 1573-7721 (Online), Springer , DOI - 10.1007/s11042-015-2515-7, Springer 2015. .(SCOPUS,SCI Indexed)
4. JyotiChauhan, **Anchal Jain**, "*Survey on Encryption algorithm based on Chaos theory and DNA computing*", International Journal of Advance Research in computers and communication technology ISSN: 2319-5940(print), Volume 3 issue 8, 2014, 2801-7803.
5. **Anchal Jain**, PoojaAgarwal, Rashii Jain, Vyomesh Kumar, "*Chaotic Image Encryption Technique using S-box based on DNA Approach*", International Journal of Computer Applications, Volume 92/Number 13 (ISBN: 973-93-80881-33-2)2014.
6. Ritu Gupta and **Anchal Jain**, "*A new Image Encryption Algorithm based on DNA Approach*", International Journal of Computer Applications, Volume 85/Number 18 (ISBN: 973-93-80879-78-3) 2014.

**2. International Conferences (7)**

1. Shreya Gupta, **Anchal Jain**, "*Efficient Image Encryption Algorithm using DNA Approach*", IEEE International conference on Computing for Sustainable Global Development, pp. 726 – 731, 11-13 March 2015, India.
2. **Anchal Jain** and NavinRajpal, "*Adaptive Key Length Based Encryption Algorithm using DNA Approach*", IEEE International Conference on Machine Intelligence Research and Advancement, ICMIRA-2013, pp. 140-144, 21-23 December, 2013, Jammu, India.
3. **Anchal Jain** and NavinRajpal, "*Cryptanalysis of a Chaotic Neural Network Based Chaotic Cipher*", Elsevier Science and Technology, Volume 7, pp. 538-544, 03-04 December, 2012, Chennai, India.
4. **Anchal Jain** and NavinRajpal , "*A Two Layer Chaotic Network Based Image Encryption Technique*", Proceedings of IEEE National Conference on Computing and Communication Systems, Print ISBN:978-1-4673-1952-221-22, Nov , 2012, Durgapur, India.
5. **Anchal Jain** and NavinRajpal, "*A Review of various Cryptographic Techniques using Neural Networks*" Proc. of International Conf. on issues and challenges in Networking, Intelligence and Computing Techniques, pp 212-217, 2-3 September, 2011, Ghaziabad, India.

6. **Anchal Jain**, “*Bit reduction based matching criterion for motion compensation in video coding*”, Proc. of IEEE International conf. IMPACT-2009, Vol. 1, pp. 36-39, Print ISBN:978-1-4244-3602- 6.
7. **Anchal Jain** and Ravindra Kr. Purwar, “*Handwritten English Character Recognition System using Ring Data Vector*” Proc. of national conference organized by Krishna School of Computer Application, Ghaziabad in Oct 2006.

**Faculty Development Program/STTP/workshop Organized:**

- One week faculty development program on “cryptography and algebraic coding theory” at IPEC from 14-3-2017 to 18-3-2017.
- Technical talk on “*Latest Developments in Technology & Changes in Societal behavior*” By Mr. Saurabh Agarwal (Regional Student Convener in CSI for North India) and CSI awareness program by Mr. Anil Ji Garg (Vice Chairman of CSI Ghaziabad chapter) on 1 Feb, 2017.
- Spoken tutorial workshop in object oriented programming using C++ at IPEC 2014.
- Guest lecture from industry on topic “Internet of things” under ACM student chapter IPEC 2014.
- Quiz competition and seminar for students under ACM Student chapter at IPEC 2014.

**Faculty Development Program/STTP/workshop attended:**

- One week faculty development program on “cryptography and algebraic coding theory” organized at IPEC from 14-3-2017 to 18-3-2017.
- Ten days DST sponsored faculty development program on “Big Data Analytics” at GGSIPU University from 4<sup>th</sup> July 2016 to 15<sup>th</sup> July 2016.
- One day National Seminar on MATLAB and Simulink in Engineering Education organized by G.G.S.I.P. University , Dwarka, Delhi in April 2014.
- One day seminar on “Oracle Cloud World” organized by Oracle in January 2014.
- One week workshop on “Pattern Recognition and Soft Computing “ organized by Delhi Technical University in July 2010.
- Two-week faculty development program on entrepreneurship sponsored by DST at CPWD Training Institute, Ghaziabad between 03/01/2008 to 14/01/2008.
- Three days national workshop Q-CISM 2009, sponsored by CISR at Deen Dayal upadhyay College, University of Delhi, New Delhi between 09/10/2009 to 11/10/2009.
- Participated in Train The Trainer program “PRODUCT MIGRATION”, conducted by Infosys in April 2007 at Chandigarh, INDIA

**Honors and Awards Received:**

- Received appreciation certificate for contribution in “UDBHAV” Techno-cultural fest at IPEC 2015.
- Awarded for the best paper presentation for the session at National conference organized by Krishna School of Computer Application, Ghaziabad in Oct 2006.

**Supervisory support provided:**

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| <b>1. No. of PhD Supervision:</b>      | Completed: 0 | Ongoing:   |
| <b>2. No. of M Tech Thesis Guided:</b> | Completed: 5 | Ongoing: 1 |

**Membership of professional Societies:**

- Member of Computer Society of India(CSI)
- Member of International Association of Engineers, membership no. 1753112