

Kriti Nigam

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Presently associated as Faculty Member in an organization that is enhancing my horizon of knowledge and giving me the opportunity to prove myself by working innovatively for the enhancement and betterment of education in the field of Forensic Science. I am working for an institution which is offering career growth and chances to learn and improve my knowledge and to contribute towards the organizational goal through my skills and past experiences.

CAREER SYNOPSIS

- Presently working as Assistant Professor in Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, B.U., Jhansi.
- Teaching UG and PG students of Forensic Science of SHIATS since 2011 till April 2015.
- Research experience of 8 years.
- UGC-NET Qualified for JRF vide letter No A097279, 2009.
- Ph.D. in Forensic Science (Pursuing).
- Full Time Post Graduate Degree in Forensic Science.
- Full time Degree of Law (LL.B.).

KEY SKILLS

- Profound knowledge in Forensic science with a niche in Document Examination & Law.
- Proficient in Teaching Ability, Communication & Presentation Skill.
- Highly skilled in using the different course books and material for teaching Forensic Science.
- Ability to dramatize Forensic Scenario effectively and creativeness in teaching process.
- Ability to plan, collect material and deliver the lessons in the class.
- Capacity to arrange the competitions and assess the performance of the students.
- Ability to inspire the students for desired effects in the Forensic Science teaching task.
- Sound Knowledge of Microsoft Office and other general use of Computer software and internet.

ACADEMIC AND PROFESSIONAL CREDENTIALS

- Pursuing Ph.D. (Forensic Science) on “Multiple Classifier System in Off-line Handwriting for Writer Identification and verification” from Department of Forensic Science under able guidance of Prof. Dr. A.K. Gupta, Head, Department of Forensic Science, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad.
- UGC-NET qualified for Junior Research Fellowship (Dec 2009, Certificate No.- A097279).
- Bachelor of Law (LL.B.) from C.C.S. University, Meerut (2008-2011) securing 61.25%.
- Master of Science in Forensic Science from Dr. B.R. Ambedkar University, Agra (2006-2008) securing 66.9%.
- Bachelor of Science (Z.B.C.) from C.C.S. University, Meerut (2003-2006) securing 73.75%.
- Online Introductory Course in Intellectual Property Rights from ASCL Law School, Pune.
- Introductory Course in Hacking and Cyber Security from Data64 Techno Solutions Pvt. Ltd., Pune.
- Online Introductory Course in Cyber Laws from Asian School of Cyber Laws, Pune.
- Introductory Course in Password Breaking and Security from Data64 Techno Solutions Pvt. Ltd., Pune.

MEMBERSHIP OF PROFESSIONAL BODIES

- Life Member of Indian Academy of Forensic Science, Kolkata, India

TRAINING / INTERNSHIPS

- **Organization:** Government Examiner of Questioned Documents
Duration: 12.06.2007-22.06.2007
Description: Different areas of Forensic Documents Examination, handled all sort of document examination while working on live cases and assisting the Document examiner.
- **Organization:** Forensic Science Laboratory, Delhi
Duration: 26.02.2014- 26.03.2014
Description: Experience of working on live cases on various aspects of questioned document examination, and working on different instruments used for Forensic Document Examination.
- **Organization:** Department of Forensic Science, SHIATS, Allahabad
Duration: 25.06.2014- 04.07.2014

Description: Verification of genuine Candidates for admission at SHIATS by their biometric identification during University Admission counseling.

- **Organization:** Center for e-Learning, SGTB Khalsa College, University of Delhi, Delhi

Duration: 15.12.2014- 03.03.2015

Description: Associated as intern in e- PG Pathshala Projectsponsored by UGC under NMEICT mission of MHRD, Govt. of India.

- **Organization:** Innovation Center, Bundelkhand University, Jhansi

Duration: 03.10.2018- 06.10.2018

Description: Faculty training programme on Advance Scientific Research Equipments.

RESEARCH AND ANALYTICAL EXPERIENCE

- Examination & Identification of FINGER PRINTS by various methods including the Biometrical Approach
- Experienced in examination of suspected document with high resolution optical instruments and spectral analysis using sophisticated instruments like VSC.
- Experienced in Identification of characteristic features of handwriting, Natural Variations, study of Disguise, Secret and Indented Handwriting for its genuineness.
- Expertise in examination of counterfeit documents including currency notes for their genuineness.
- Experience of handling instruments based on Analytical Techniques like TLC, GC, HPLC and U.V Spectrophotometer

ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

- Delivered lectures on Law to students of PG Diploma in Forensic Science at SGTB Khalsa College, New Delhi, as a Guest Faculty.
- Worked as Intern with UGC sponsored e-Content Development for PG Courses Project under NMEICT, MHRD, Govt. of Delhi from 15th December, 2014- 3rd March, 2015.
- Attached as Content Writer to a project of U.G.C. on e-Content Development for PG Courses under NMEICT, MHRD, Govt. of Delhi.
- Conducted awareness program on “Need of Forensic Science” in CJM Compound, Rath on 8th August, 2015.
- Actively participated as Co- Convenor in Literary Events Committee in the Inter University Central Zone Youth Festival organized by Bundelkhand University, Jhansi from 19th November- 23rd November, 2015.
- Laboratory visit at Regional Forensic Science Laboratory, Northern Range, Dharamshala from 12th January-22nd January, 2016.

- Attached as Content Writer with a project of I.G.N.O.U. on e-Content Development for one year Postgraduate Diploma in Forensic Anthropology.
- Actively participated as Member of Literary Events Committee in the Inter Faculty Cultural Competitions organized by Bundelkhand University, Jhansi from 17th October- 19th October, 2016.
- Laboratory visit at Regional Forensic Science Laboratory, Northern Range, Dharamshala from 18th January-28th January, 2017.
- Laboratory visit at State Forensic Science Laboratory, Junga from 14th March-23rd March, 2018.

CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED / ORGANIZED

- Attended in National Seminar on “Globalization Impact on Privatisation and Investment Policies in Public Sector Enterprises in India” (sponsored by I.C.S.S.R & U.G.C.) organized by Department of Economics, Kisan (P.G.) College, Simbhaoli on February 4th, 2010.
- Presented a paper titled “Human Rights and Women” in I.C.H.R. sponsored National Seminar organized by Jagdish Saran Hindu Snatakottar Mahavidyalay, Amroha on February 6th-7th, 2010.
- Presented a paper titled “Anti-social Activities of Immature and Parenting Styles” in National Seminar organized by Shri Varshney Mahavidyalay, Aligarh on February 20th-21st, 2010.
- Actively participated in National Seminar on “Digital Forensic- A Tool for IT Security” organized by Department of Forensic Science, SHIATS, Allahabad on February 24th -25th, 2011.
- Actively participated in one day workshop on “Ethical Hacking & Cyber Forensics” organized by Department of Forensic Science, SHIATS, Allahabad on February 26th, 2013.
- Actively participated in National Seminar on “Forensic Investigation & Crime Scene Management, their role in Justice Delivery System” organized by Department of Forensic Science, SHIATS, Allahabad on September 13th-14th, 2013.
- Actively participated at IDA Connect Workshops at World didac India-2014 for the session “Technology Enhanced Learning in Higher Education”, organized by Center for e- Learning, Khalsa College, Delhi University.

- Actively participated as Joint Secretary in organizing National Seminar on “Online Banking Frauds: Security Countermeasures” organized by Department of Forensic Science, SHIATS, Allahabad on April 16th -17th, 2015.
- Presented Research Paper titled “Crime Against Women: Issues & Challenges of 21st Century” in 38th Annual Conference of the Indian Society of Criminology on “Sex, Power, Crime & Victims: The Requiror for Policy Shift in India” organized by Department of Criminology & Criminal Justice, Manonmaniam Sundaranar University, Tamil Nadu on October 15th-16th, 2015.
- Presented Research Paper as Invited Speaker on “Forensic Aspects of Nanotechnology” in National Conference on “Recent Trends in Biotechnology” organized by Vijayaraje Institute of Science and Management on 30th31stJanuary, 2016.
- Presented Research Paper titled “Forensic Examination of Disguised Handwriting” in National Seminar on “Issues and Challenges in Forensic Medicine & Forensic Science” organized by Department of Forensic Science, SHIATS, Allahabad on 9th-10th March, 2016.
- Actively participated as Treasurer in organizing National Seminar on “Role of Forensic Science in Disaster Victim Identification in Indian Perspective” organized by Dr. A.P.J. Abdul Kalam Institute of Forensic Science Criminology, BU, Jhansi on March 18th -19th, 2016.
- Actively participated as Treasurer in organizing National Conference on “Future Perspectives of Forensic Science in India” organized by Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, BU, Jhansi on March 9th -10th, 2017.
- Actively participated in National Seminar on “Prospects of Uniform Civil Code in Present Indian Scenario” organized by Babu Jagjivan Ram Institute of Law, Bundelkhand University, Jhansi on November 3rd, 2017.
- Presented Research Paper entitled “A Comparative Study of Consistency in Handwriting of Twins” in National Conference on “Forensic Science: An Interface between Science, Law and Justice” organized by Institute of Forensic Science, Nagpur on 23rd December, 2017.
- Actively participated as Treasurer in organizing International Conference on “Advances in Forensic DNA Technology” organized by Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, BU, Jhansi on February 22nd -24th, 2018.
- Actively participated in Awareness Seminar on “e-Learning and MOOCs in Higher Education” organized by Guru Angad Dev Teaching Learning Center of MHRD, SGTB

Khalsa College, University of Delhi and Bundelkhand University, Jhansi on January 24th, 2019.

- Actively participated as Co- Organizing Secretary in organizing National Conference on “Challenges and Innovations in Criminal Justice System (FORENSICON- 2019)” organized by Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, BU, Jhansi on February 21st -22nd, 2019.

LIST OF PUBLICATIONS

- **Nigam, K.**, Gupta, A.K. and Chattree, A. (2013) “Analysis of Narcotics in Urine: A Review”. Research and Reviews: Journal of Medical and Health Sciences, Vol.2 Issue 2, pp- . (Online ISSN: 2319-9865)
- **Nigam, K.**, Saran, V., Gupta, A.K. and Ahmed, S. (2013) “Emerging Trends of Automated Handwriting Analysis”. International Research Journal of Management Science & Technology, Vol.1 Issue 4, pp- 13-25. (Online ISSN: 2250-1959)
- **Nigam, K.**, Saran, V., Gupta, A.K. and Ahmed, S. (2013) “Automated Tool Based on Statistical Study for Predicting Probability of Female Authorship”. International Journal of Engineering Research & Technology, Vol.2 Issue 11, pp- 904- 906. (ISSN: 2278-0181)
- Saran, V., Kumar, S., **Nigam, K.**, Ahmed, S. and Gupta, A.K. (2015) “Automated Measuring Tool for Handwriting Examination”. International Journal of Engineering and Computer Science, Vol. 4 Issue 3, pp- 10964-10967. (ISSN: 2319-7242)
- **Nigam, K.**, Ahmed, S., Sharma, A.K., Gupta, A.K. and Saran, V. (2015) “Examination of Handwritten Suicide Note for Authorship and Changes due to Depression: A Case Study”. Indian Police Journal, Vol. LXII No. 2, pp- 192-198. (ISSN: 0537-2429).
- Yadav, M.M., **Nigam, K.**, Srivastava, A. and Kumar, P. (2016) “Recent Advancements in Ear Biometrics: A Review”. International Journal of Engineering Sciences & Research Technology, Vol. 5 Issue 4, pp- 652-659. (ISSN: 2277-9655)
- Yadav, M.M., **Nigam, K.**, Srivastava, A. and Yadav, V.K. (2017) “A Preliminary Study on Frequency Distribution & Inheritance Pattern of Different Characteristics of Ear among Population of Moth Region of Jhansi District”. International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 5 Issue X, pp- 236-241. (ISSN: 2321-9653)
- Srivastava, A. Mahajan, M. and **Nigam, K.** (2017) “Decipherment of Latent Handwritten Impressions: A Case Study”. Journal of Forensic Research, Vol. 8 Issue 5, pp- . (ISSN : 2157-7145)
- Harshey, A., Srivastava, A., Yadav, V.K., **Nigam, K.**, Kumar, A. and Das, T. (2017) “Analysis of Glass Fracture Pattern made by .177” (4.5 mm) Caliber Air Rifle”. Egyptian Journal of Forensic Sciences, Vol. 7 Issue 20, pp- 1-8. (ISSN: 2090 - 5939)

- **Nigam, K.,** Saran,V., Srivastava, A., Ahmed, S. and Gupta, A.K. (2018) “Automated Tool Based on Statistical Study for Predicting Probable Dextrality of Writers”. Journal of Forensic Sciences & Criminal Investigation, Vol. 7 Issue 1, pp- 001-006. (ISSN: 2476 - 1311)
- Abhyankar, S., Srivastava, A., Yadav, V.K., **Nigam, K.,** and Harshey, A. (2018) “Glass Fractures Made from Different Pellet Shapes- A Preliminary Study”. Journal of Forensic Sciences & Criminal Investigation, Vol. 8 Issue 3, pp- 001-007. (ISSN: 2476 - 1311)
- Yadav, M.M., Srivastava, A., **Nigam, K.** and Yadav, V.K. (2018) “Comparative Analysis of Wild Animal Hairs”. Global Journal of Engineering Science and Researches, Vol. 5 Issue 11, pp- 239-245. (ISSN: 2348-8034)
- Yadav, V.K., Srivastava, A., **Nigam, K.** and Yadav, M.M. (2018) “Statistical Evaluation of Poisoning Trends in Bundelkhand Region”. International Journal of Research and Analytical Reviews, Vol. 5 Issue 4, pp- 378-388. (ISSN: 2348-1269)
- Srivastava, A., Kumawat, R., Dixit, S., Kaitholiya, K., Shrivastava, D., Yadav, V.K., **Nigam, K.,** Sharma, H., Trivedi, V.B., Chaube, G. and Shrivastava, P. (2019) “Genetic data for PowerPlex 21™ Autosomal and PowerPlex 23 Y-STR™ Loci from Population of the State of Uttar Pradesh, India”. International Journal of Legal Medicine (Springer), doi.org/10.1007/s00414-018-01993-z. (ISSN: 1437-1596)
- **Nigam, K.,** Srivastava, A., Yadav, V.K. and Ahmed, S. and Gupta, A.K. (2019) “Automated Tool Based on Statistical Study for Predicting Probable Medium of Education of Writers”. Journal of Emerging Technologies and Innovative Research, Vol. 6 Issue 4, pp- 276-280. (ISSN: 2349 - 5162)
- Tiwari, N., Das, T., Harshey, A., Abhyankar, S., Yadav, V.K., **Nigam, K.,** Anand V.R. and Srivastava, A. (2019) “Evidential significance of multiple fracture patterns on the glass in forensic ballistics”. Egyptian Journal of Forensic Sciences, Vol. 9 Issue 22, pp- 1-5. (ISSN : 2090 - 5939), <https://doi.org/10.1186/s41935-019-0128-4>
- Srivastava, A., **Nigam, K.,** Yadav, V.K. and Yadav, M.M. (2019) “Analysis of Diatoms of Fresh Water bodies in Manipur (India)”. Research Review International Journal of Multidisciplinary Sciences, Vol. 9 Issue 22, pp- 1-5. (ISSN : 2455 - 3085)

OUTLINE OF SUBJECTS TAUGHT

- Finger print Examination
- Questioned Document Examination
- General Forensic Science
- Law
- Forensic Chemistry and Toxicology