




Faculty Performa

Title	Dr.	First Name	Anjani	Last Name	Kumar	Photograph
Designation		Assistant Professor				
Address		Cluster Innovation Centre, Room No. 312, Third Floor, Rugby Sevens Building, G. C. Narang Marg, University Stadium, University of Delhi, Delhi-110007.				
Phone No	Office	+91111-27666706 (Ext. 324)				
Residence	Mobile	+91-9968014804				
Email	Web-Page	akumar@cic.du.ac.in ; anjaniverma29@gmail.com https://cic.du.ac.in/ https://sites.google.com/site/knowakverma/home				
Educational Qualifications						
Degree		Institution				
Ph.D. Computer Science		Dept. of Computer Science, University of Delhi				
PG M.Sc. Computer Science		Dept. of Computer Science, University of Delhi				
UG B.Sc. (Hons) Computer Science		PGDAV College, University of Delhi				
Career Profile						
Cluster Innovation Centre (CIC), University of Delhi Assistant Professor (Senior Grade)						Delhi July 2018 - Till present
Cluster Innovation Centre (CIC), University of Delhi Assistant Professor						Delhi July 2015 – July 2018
Maitreyi College, University of Delhi Assistant Professor						Delhi July 2014 - July 2015
Shyama Prasad Mukherji College, University of Delhi Assistant Professor						Delhi July 2012 - July 2014
Keshav Mahavidyalaya, University of Delhi Guest Lecturer						Delhi Jan 2012 - Apr 2012
ACS Associate Engineer						Noida Feb 2012 - Dec 2012
VinoVe Software & Services						Delhi

Administrative Assignments

Academic Year	Assignments
2024-2025	<ul style="list-style-type: none"> • Convener Discipline Committee, CIC • Co-Convener, Examination Committee, CIC • Member, Student Advisory & Grievance Committee, CIC • Member, Caste Based Discrimination Committee, CIC
2023-2024	<ul style="list-style-type: none"> • Convener & IQAC Nodal Person, IQAC & Annual Report Committee, CIC • Member, Taskforce Committee, NAAC, CIC • Member, Admission Committee, CIC <ul style="list-style-type: none"> • Member, Alumni Committee, CIC • Member Discipline Committee, CIC
2022-2023	<ul style="list-style-type: none"> • Convener, IQAC Committee, CIC • Member, Admission Committee, CIC <ul style="list-style-type: none"> • Member, Alumni Committee, CIC • Member Discipline Committee, CIC
2021-2022	<ul style="list-style-type: none"> • Convener, IQAC Committee, CIC • Member, Admission Committee, CIC
2020-2021	<ul style="list-style-type: none"> • Convener, Computer & Website Committee, CIC • Member, Academic Committee/Online teaching related Committee, CIC • Member, Departmental Purchase Committee, CIC
2019-2020	<ul style="list-style-type: none"> • Convener, Computer & Website Committee, CIC <ul style="list-style-type: none"> • Member, Academic Committee, CIC • Coordinator, Project Committee, B.Tech, CIC
2018-2019	<ul style="list-style-type: none"> • Member, Admission Committee, CIC • Member, Computer & Website Committee, CIC • Member, Workload & Time -Table Committee, CIC
2017-2018	<ul style="list-style-type: none"> • Member, Admission Committee, CIC • Member, Computer & Website Committee, CIC • Member, Workload & Time -Table Committee, CIC
2016-2017	<ul style="list-style-type: none"> • Member, Admission Committee, CIC • Member, Examination Committee, CIC • Member, Infrastructure & Space Committee, CIC

	<ul style="list-style-type: none"> • Member, Grievance Committee, CIC • Member, News Letter, Annual Report, Website Committee, CIC • Member, Library Committee, CIC • Member, Cultural and Extra-Curricular Activities Committee, CIC • Member, Website Advisory Committee, University of Delhi.
2015-2016	<ul style="list-style-type: none"> • Member, Admission Committee, CIC • Member, Examination Committee, CIC • Member, Panel for 'Selection of BA (H) Humanities and Social Science', CIC

Areas of Interest / Specialization

- **Machine Learning and Big data:** Design, Modeling and Solutions of real life problems through ML algorithms.
- **Information Security Systems:** Real-life applications that make information secure and safe from misuse.
- **Steganography & Steganalysis:** The art of hiding message into digital image and the detection of it.
- **Recommender System:** Recommendation of different items/products to make liking pattern and somewhat security issues in it.
- **Expert Systems:** Making machine intelligent to think and act accordingly like human computer interaction.
- **Virtual Reality:** Designing prototype for virtual classroom interactive sessions with 3D review.
- **Artificial Intelligence in Historical Innovation:** Study of innovative and creative scriptures and monuments and its aspects.

Subjects Taught

Odd Semester – 2024: Software Engineering
Odd Semester – 2024: Software Engineering and Project Management
Odd Semester – 2024: Operating System
Odd Semester – 2024: Computing Systems Architecture
Odd Semester – 2024: Programming Fundamentals
Even Semester – 2024: Object Oriented Programming
Even Semester – 2024: Internet and Web Technology
Even Semester – 2024: Database Management System
Even Semester – 2024: Embedded System Studio-II

Odd Semester – 2023: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Odd Semester – 2023: Software Engineering and Project Management
Odd Semester – 2023: Computer Graphics & Visualization
Odd Semester – 2023: Computing Systems Architecture
Even Semester – 2023: Object Oriented Programming
Even Semester – 2023: Instructing computing devices: Operating System
Even Semester – 2023: Data Structure & Design

Odd Semester – 2022: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Odd Semester – 2022: Software Engineering and Project Management
Odd Semester – 2022: Handling information through Data Modeling & Design
Odd Semester – 2022: Computer Graphics & Visualization
Even Semester – 2022: Reflecting thought processes via Object Oriented Programming
Even Semester – 2022: Instructing computing devices: Operating System

Odd Semester – 2021: Automating real world through Programs: Programming Fundamentals
Odd Semester – 2021: Understanding Computing Systems Architecture
Odd Semester – 2021: Handling information through Data Modeling & Design
Odd Semester – 2021: Software Project Management
Even Semester – 2021: Instructing computing devices: Operating System
Even Semester – 2021: Reflecting thought processes via Object Oriented Programming

Odd Semester – 2020: Automating real world through Programs: Programming Fundamentals

Odd Semester – 2020: Understanding Computing Systems Architecture
Odd Semester – 2020: Handling information through Data Modeling & Design
Odd Semester – 2020: Software Project Management
Even Semester – 2020: Reflecting thought processes via Object Oriented Programming
Even Semester – 2020: Optimizing memory use through Data Structure and Design
Even Semester – 2020: Instructing computing devices: Operating System

Odd Semester – 2019: Handling information through Data Modeling & Design
Odd Semester – 2019: Instructing computing devices: Operating Systems
Odd Semester – 2019: Software Project Management
Even Semester – 2019: Reflecting thought processes via Object Oriented Programming
Even Semester – 2019: Understanding Computing Systems Architecture

Odd Semester – 2018: Handling information through Data Modeling & Design
Odd Semester – 2018: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Odd Semester – 2018: Software Project Management
Even Semester – 2018: Reflecting thought processes via Object Oriented Programming
Even Semester – 2018: Understanding Computing Systems Architecture

Odd Semester – 2017: Handling information through Data Modeling & Design
Odd Semester – 2017: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Odd Semester – 2017: Software Project Management
Even Semester – 2017: Reflecting thought processes via Object Oriented Programming
Even Semester – 2017: Computer Graphics & Visualization

Odd Semester – 2016: Instructing computing devices: Operating Systems
Odd Semester – 2016: Handling information through Data Modeling & Design
Odd Semester – 2016: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Even Semester – 2016: Reflecting thought processes via Object Oriented Programming
Even Semester – 2016: Understanding Computing Systems Architecture

Odd Semester – 2015: Instructing computing devices: Operating Systems
Odd Semester – 2015: Handling information through Data Modeling & Design
Odd Semester – 2015: Computer and Brain: Knowledge Discovery and Artificial Intelligence
Odd Semester – 2015: Digital Security: Compression and Encryption

Odd & Even Semester – From 2012 to 2015 (in UG College): Internet Technologies
System Administration & Maintenance
Computer Fundamentals
Computer Applications in Business
Programming Fundamentals
Data Structures
Database Systems and Multimedia Applications

Research Guidance/Project Supervision

Research Guidance

One Research Scholar (ongoing)

Ph.D.

Project Supervision

Generative Adversarial Networks (GANs) A Comparative Study

B.Tech(ITMI)-2024

Adarsh, Nitin, Shantanu, Swarnim
Semester Long Project

Steganography

B.Tech(ITMI)-2023

Adarsh, Nitin, Shantanu, Swarnim
Semester Long Project

Shilling Attack Detection in web Recommendation Systems

B.Tech(ITMI)-2023

Riya, Ayushi, Shruti, Archi
Semester Long Project

thecart admin panel - ecommerce admin panel

B.Tech(ITMI)-2023

Rajan, Premchand Gurjar
Semester Long Project

Fitness Website

B.Tech(ITMI)-2023

Vipul Wasnik
Semester Long Project

App Development <i>B.Tech(ITMI)-2022</i>	Ansh, Harsh, Pintu, Rajan, Raman, Ojus <i>Summer Internship Project</i>
Youtube video translator <i>B.Tech(ITMI)-2022</i>	Abhishek, Jayaram <i>Summer Internship Project</i>
Detection of Fake Reviews using Python <i>B.Tech(ITMI)-2021</i>	Akash Erugurala, Nandan, Piyush, Pratibha, Rakesh <i>Semester Long Project</i>
Web Portal of Cluster Innovation Centre <i>B.Tech(ITMI)-2021</i>	Zaleesh Ahmad, Naveen Kumar <i>Major Industrial Project</i>
Image Steganalysis <i>B.Tech(ITMI)-2020</i>	Nancy <i>Semester Long Project</i>
Building Custom Android ROM+Kernel <i>B.Tech(ITMI)-2020</i>	Akshansh Bhanjana <i>Semester Long Project</i>
Drowsiness detection system <i>B.Tech(ITMI)-2020</i>	Arjit Yadav <i>Semester Long Project</i>
Application development <i>B.Tech(ITMI)-2020</i>	Hitesh Gautam, Sahil Gupta <i>Semester Long Project</i>
Secure System for Misuse of Use <i>B.Tech(ITMI)-2020</i>	Zaleesh Ahmad, Sahil Gupta <i>Semester Long Project</i>
AI-enabled Login System using Facial Recognition <i>B.Tech(ITMI)-2020</i>	Zaleesh Ahmad, Paras Yadav <i>Summer Internship Project</i>
Statistic Analysis of Crime In India <i>B.Tech(ITMI)-2019</i>	Bhanu Mittal, Bhawna Maharana <i>Semester Long Project</i>
Satellite Image Analysis <i>B.Tech(ITMI)-2019</i>	Arjit Yadav, Shreyansh Tripathi <i>Semester Long Project</i>
Web App to write data from selected text from PDF to Repository (Cloud) or Local File <i>B.Tech(ITMI)-2019</i>	Manas Awasthi Github <i>Semester Long Project</i>
Smart Environment: Energy Conservation <i>B.Tech(ITMI)-2018</i>	Vivek, Tapas Kashyap, Animesh Kujur <i>Semester Long Project</i>
Earthquake Interface <i>B.Tech(ITMI)-2018</i>	Bhanu Mittal <i>Summer Internship Project</i>
Developing and Designing E-Portfolio Website <i>B.Tech(ITMI)-2018</i>	Arjit Yadav, Zaleesh Ahmad <i>Summer Internship Project</i>
Recommender systems <i>B.Tech(ITMI)-2018</i>	Prachi Arora <i>Summer Internship Project</i>
Shilling attacks in Recommender Systems <i>B.Tech(ITMI)-2017</i>	Divya, Lavnish, Vivek, Ayush Raj, Sumit Lakra <i>Semester Long Project</i>
Digital Image Steganography <i>B.Tech(ITMI)-2016</i>	Ayush Jain, Aditya Gaur, Arish <i>Semester Long Project</i>
PHP Back end development, GEMS and Being Citizen <i>B.Tech(ITMI)-2016</i>	Kaustabh Joshi <i>Major Industrial Project</i>
Legally Updated <i>B.Tech(ITMI)-2016</i>	Rohan Bhardwaj <i>Major Industrial Project</i>
Online Help Desk <i>B.Tech(ITMI)-2016</i>	Chetan Raghav, Prince Soni, Rupal Gupta, Yashasvi Khanna <i>Summer Internship Project</i>
Virtual reality in different aspects with multimedia applications <i>B.Sc. Hons. (Comp. Sci.)-2013</i>	Cheshta Mittal, Komal Sharma <i>Research Work Project</i>
Image Steganography <i>B.Sc. Hons. (Comp. Sci.)-2013</i>	Shobha <i>Research Work Project</i>
Publications Profile	

- Kumar A, Chopra S, Aggarwal S. Assessing Suicidal Tendencies on Twitter Using BERTicle. In World Conference on Information Systems for Business Management Sep 2023 (pp. 23-31). Singapore: Springer Nature Singapore. (Print ISBN: 978-981-99-8611-8; Online ISBN: 978-981-99-8612-5) [Citation: 0, Impact Factor: NA]
- Anjani Kumar, Ojus Kumar, Harsh Kumar & Naman Priyadarshi. An Accuracy Improvement in Facial Verification through Siamese Neural Networks. Journal of Image Processing & Pattern Recognition Progress (JoIPPRP), Vol.10, No.2, June 2023; 1-9. (ISSN: 2394-1995 (Print)) [Citation: 0, Impact Factor: NA]
- Anjani Kumar, et.al, (2023). Accuracy Improvement of Electroencephalogram through GAN Variants, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 232-245, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar, et.al, (2023). A Review on Hand Gesture Recognition using Machine Learning Approach, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 246-257, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar, et.al, (2023). Next Word Prediction using Multilayered LSTM-based Approach, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 258-268, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar, et.al, (2023). A Review on Object Detection through IRC in Dark Vision, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 269-275, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar, et.al, (2023). Analytics of Crop Prediction using Machine Learning Approach, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 276-288, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar (2023). An Earthquake Prediction through BNN, India@75 in Multidimensional Perspectives, ISBN: 978-93-93247-10-0; 289-300, June 2023. [Citation: 0, Impact Factor: NA]
- Anjani Kumar, Pintu Kumar, Sai Yash & Rohit Sharma. Analytics Of Indian English News Articles Through Deep Learning. Journal of Mathematical Sciences & Computational Mathematics, Vol.4, No.3, April 2023; 345-353. (ISSN: 2688-8300 (Print)); (ISSN: 2644-3368 (Online)) [Citation: 0, Impact Factor: NA]
- Verma AK, Dixit VS. Collaborative filtering-based recommendations against shilling attacks with particle swarm optimiser and entropy-based mean clustering. International Journal of Information and Computer Security. 2023; 20(1-2): 133-44. (ISSN: 1744-1765) [Citation: 0, Impact Factor/Cite Score: 1.0]
- Verma AK, Dixit VS. FRRS: Facial Recognition based Recommender System for handling Push and Nuke Attacks. METSZET JOURNAL. 2022; 7(12): 388-395. (ISSN: 2061-2710) [Citation: 0, Impact Factor: 5.3]
- Anjani Kumar Verma, Veer Sain Dixit. SRSPIA: Security Based Recommender System Against Profile Injection Attack. International Journal of Engineering Trends and Technology, 2021, 69(3), 219-228. (ISSN: 2349-0918) [Citation: 1, Impact Factor/Cite Score: 0.5]
- Mittal B, Verma AK, Bagai S. A Study of Crime in India Through Statistical Analysis. In ICT for Competitive Strategies 2020 May 5 (pp. 361-367). CRC Press. (ISBN: 9781003052098) [Citation: 0, Impact Factor: NA]
- Anjani Kumar Verma and Veer Sain Dixit. An outlier accuracy improvement in shilling attacks using ksom. In Intelligent Communication, Control and Devices 2020, (pp. 353-365). Springer, Singapore. (ISSN: 21945357); (ISBN: 978-981138617-6) [Citation: 1, Impact Factor: NA]
- Anjani Kumar Verma and Veer Sain Dixit. A Comparative Evaluation of Profile Injection Attacks. In Advanced in Data and Information Sciences 2019, (pp. 43-52). Springer, Singapore. (ISSN: 23673370) [Citation: 1, Impact Factor: NA]
- Anjani Kumar. Review of Comparative Evaluation: Image Steganography. International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 2, Issue 5, September-October 2017. (ISSN: 2456-3307) [Citation: 0, Impact Factor: NA]
- Anjani Kumar Verma and Girish Chandra. A Review Aspect on Digital Watermarking. Conjugative Management, Library Information Science, Social Science and Technology for Virtual World, January 2017. (ISBN: 978-1- 63535-633-5) [Citation: 0, Impact Factor: NA]
- Anjani Kumar Verma and Girish Chandra. A Study on Market Return for an Investor: Comparative Analysis of BSE and SSE. International Journal of Research & Development in Technology and Management Science –Kailash, Volume - 22| Issue 6 | 2016 | ISBN - 1-63102- 468-X; European Article Number [EAN] - 978-1-63-102468-9 [Citation: 0, Impact Factor: NA]
- Anjani Kumar Verma. A Review on classification based approaches for Steganalysis Detection. International Journal of Computer Application Technology and Research, Volume 3- Issue 7, 439-445, July 2014. (ISSN: 2319-8656) [Citation: 1, Impact Factor: NA]
- Anjani Kumar Verma. A Non-Blind Steganalysis through Neural Network Approach. International Journal of Multidisciplinary Consortium, Volume-1, Issue-1, June 2014. (ISSN: 2309- 073X) [Citation: 6, Impact Factor: NA]
- Anjani Kumar Verma. Steganalysis Detection through Statistical Features. Innovation Practices in Information Technology & Operation Management, January 2014. (ISBN: 978-81-906991-9-7) [Citation: 1, Impact Factor: NA]

Paper Presentations

- **A Comprehensive Study to Predicting Unethical Activity in Videos through Deep Learning Techniques**, International Conference on Generative AI, Cryptography and Predictive Analytics (ICGCPA 2024), New Delhi, India, June 28-29, 2024, Springer.

- **A New Metric for Lowering Hallucinations in Large Language Models**, 4th International Conference on ICT for Digital, Smart and Sustainable Development (ICIDSSD 2024), New Delhi, India, April 23-24, 2024, Springer.
- **Assessing Suicidal Tendencies on Twitter Using BERTicle**, In World Conference on Information Systems for Business Management (ISBM 2023), Bangkok, Thailand, September 7-8, 2023, Springer.
- **An Accuracy Improvement in Facial Verification through Siamese Neural Networks**, 4th National Conference on Recent trends in IOT, Machine learning, Artificial Intelligence and its Applications (NCRIMA 2023), Bhopal, India, April 24-25, 2023, IEEE.
- **An Earthquake prediction through BNN**, International Conference On Recent Advancement and Innovation In Engineering & Technology (RAIET – 2023), Lucknow, India, February 24-25, 2023, IEEE.
- **An Outlier Accuracy Improvement in Shilling Attacks Using KSOM**, The 3rd International Conference on Intelligent Communication, Control and Devices (ICICCD). Dehradun, India, 23rd - 24th Dec 2018, Springer.
- **A Comparative Evaluation of Profile Injection Attacks**, International Conference on Data and Information Systems (ICDIS). Amarkantak, India, 17th - 18th Nov 2017, Springer.
- **A Review Aspect on Digital Watermarking**, International Conference on Conjugative Management, Library Information Science, Social Science and Technology for Virtual World (ICCLIST). Delhi, India, 15th Jan 2017.
- **Steganalysis Detection through Statistical Features**, Conference on Innovative Practices in Information Technology and Operations Management (INNOVATIONS). New Delhi, India, 17th Jan 2014.

Research Projects (Major Grants/Research Collaboration)

- **Co-Principal Investigator**, Innovation project, **Translating “Lilavati of Bhaskara” in the realm of present Mathematics Curriculum** funded by Delhi University, 2015-2016.

Awards and Distinctions

- Nominated by International Relations office, University of Delhi for **U21 Mid-Career Researcher Programme** “Reset, Reimagine, Reframe” organized by **UNIVERSITAS21** partnership with **CommonPurpose, Birmingham, UK** from 11th Oct – 8th Nov 2023.
- Faculty Start Up Grant, University of Delhi, 2015.
- Awarded **UGC NET in Computer Science & Applications**, 2012.
- Honour Appreciation from DUCS - SANKALAN Technical Fest in Department of Computer Science, University of Delhi, as an Event Coordinator of **Technospeak**, 2010.
- Secured 3rd rank in B. Sc. (Hons.) Computer Science in PGDAV College, 2009.
- Honour Appreciation from CS- Xenium Technical Fest in PGDAV College, University of Delhi, as an Event Coordinator **CANVAS- Web Designing**, 2008.
- Secured 3rd rank in **Science Fair Zonal Exhibition**, 2003.
- Won Appreciation in **Writing and Painting** competition, 2002-2003.

Association With Professional Bodies

- Member - Association of Computing Machinery (ACM)
- Member - The Institute of Electrical and Electronics Engineers (IEEE)

Other Activities

Workshop: by IN-SPACE <i>Pre-Incubation Entrepreneurship (PIE) Development Program</i>	Amity University, Noida, UP, India <i>29th Aug 2024</i>
Event: Learn, Innovate, Collaborate & Transform <i>Dataquest Higher Education Conference & Awards 2024</i>	Dataquest, New Delhi, India <i>25th July 2024</i>
Workshop: Robotics by EYANTRA	IIT Bombay, Mumbai, India

<i>Self Balancing Robot Design</i>	15 th - 17 th Feb 2024
Faculty Development Programme <i>Recent Trends & Challenges in Intelligent System and Machine</i>	Amity School of Engineering & Technology, Amity University, Patna, India 25 th - 29 th July 2022
Workshop: AI for Computational Social Systems <i>Computational Social Systems, NLP and related areas both from industry and Academic</i>	IITD, Delhi, India 26 th - 27 th Nov 2021
Faculty Development Programme <i>Academic Writing for Research</i>	TLC, Ramanujan College, University of Delhi, India 11 th - 17 th Oct 2021
Refresher Course <i>Next Generation Technologies</i>	TLC, Ramanujan College, University of Delhi, India 29 th June - 13 th July 2021
Faculty Development Programme <i>Creation and Development of MOOCs while managing Online Classes</i>	Keshav Mahavidyalaya, University of Delhi, India 24 th - 31 st Aug 2021
Webinar: Managing References Made Easy Using Mendeley <i>Researcher Academy On Campus provides the benefits of free Mendeley Reference Manager</i>	Miranda House, University of Delhi, India 27 th July 2021
Webinar: Are Digital Innovation Opportunities around the Corner? <i>What, Where and How can these innovate?</i>	CIC, University of Delhi, India 8 th May 2020
Workshop: Robotics by EYANTRA <i>Applications and Approaches</i>	IIT Bombay, Mumbai, India 7 th - 8 th Jan 2020
Refresher Course <i>IDC Computer Application</i>	HRDC, DAVV, Indore, MP, India 14 th Nov - 4 th Dec 2018
Workshop: IDA Connect by UK Companies, CIET, NCERT, CBSE and EQFI <i>Transforming Teaching-Learning thorough Big Data Analysis</i>	DIDAC, Delhi, India 4 th - 6 th Oct 2018
Orientation Course <i>OR-91</i>	CPDHE, University of Delhi, India 21 st Nov - 19 th Dec 2017
Seminar: Embedded Software Safety & Security <i>Safe and Secure Embedded Systems Development</i>	LDRA Academic Alliance Program (LAAP), Delhi, India 13 th Oct 2017
Seminar: Bayesian Networks- AI for Research, Analytics, and Reasoning <i>Exploring AI for Complex problems with Tools</i>	Bayseia, USA, LLC 20 th Sep 2017
Workshop: FICCI-IPO Awareness Program on Intellectual Property Rights (IPR) <i>National IPR policy and its importance in socio-economic development for India</i>	FICCI, Govt. of India, Delhi, India 15 th Sep 2017
Workshop: How to Write and Publish Scholarly Articles <i>Publication Ethics</i>	JMI & Springer Nature New Delhi, India 24 th Aug 2017
Workshop: Technology & Innovation Management- Key to effective Commercialization <i>Technology Development and Commercialization</i>	BCIL, New Delhi, India 21 st Feb 2017
Workshop: Big Data Analytics (WBDA-2017) <i>Big Data Challenges and Issues</i>	SCSS, Jawaharlal Nehru University, New Delhi, India 17 th - 18 th Mar 2017
Workshop: HPC Code Modernization (Parallelization) <i>Technology explained by Wipro Limited</i>	Dept. of Computer Science, University of Delhi, India 15 th Oct 2016
Workshop: Robotics <i>Introduction to Robotics</i>	Cluster Innovation Centre, University of Delhi, India 14 th - 15 th Sep 2015
Faculty Development Programme <i>Data Mining and Big Data Analytics: Concepts, Techniques, Tools and Research Directions</i>	DIAS, GGSIP University, Delhi, India 13 th -14 th June 2014

Events Organization: Conferences/Workshops/Seminars

- **Organizing Member**, Seminar on **National Seminar on Innovation in Higher Education through PPP Model (for effective implementation of NEP 2020)** held in Cluster Innovation Centre, University of Delhi from 13th-15th March 2023.
- **Faculty Coordinator**, Workshop on **Game Development** held in online mode in Cluster Innovation Centre, University of Delhi on 4th June 2022.
- **Faculty Coordinator**, Workshop on **Ethical Hacking & Cyber Security** held in Shyama Prasad Mukherji College, University of Delhi on 13th - 14th March 2014.

Conferences/Workshops/Seminars/Webinars Achievements and Awards

- **Jury Member**, National Level **Website Development Competition** under SPECTRA 2021 organized by Gujranwala Guru Nanak Khalsa College, Civil Lines, Ludhiana, Punjab, India. 25th June 2021.

Invited Lectures/Talks

- **Resource person** for Technical Session, Webinar on **Technological advancements of physics in artificial intelligence** organized by Department of Physics, GGN Khalsa College, Civil Lines, Ludhiana, Punjab, India. 7th December 2021.
- **Resource person** for Technical Session, UGC Sponsored Two-day National Seminar on **Changing Business Environment in India: Challenges and Opportunities** organized by Department of Commerce, Shyama Prasad Mukherji College, University of Delhi. 28th - 29th February 2020.

Academic Projects

Image Steganalysis	<i>Prof. Punam Bedi</i>
<ul style="list-style-type: none"> • Image processing for detecting data into it. • Extracting the message from stego images from different NN techniques. 	
Digital Image Steganography	<i>Prof. Punam Bedi</i>
<ul style="list-style-type: none"> • Image processing for hiding data into it. • Hiding message into cover images with neural network approach. 	
File System Development	<i>Dr. Harmeet Kaur</i>
<ul style="list-style-type: none"> • Designed and developed a file management system for Unix based structure. • Creation of text files in it. 	
Mini database- Mydbms Development	<i>Dr. Harmeet Kaur</i>
<ul style="list-style-type: none"> • Implementation of Mydbms system using Netbeans6.5 IDE. • Different schemas for general purposes. 	
Student Record System	<i>Dr. Akansha Vats</i>
<ul style="list-style-type: none"> • Managing the student activities in college. 	
Multimedia and VR Support for Direct Communication of Designers	<i>Dr. Veenu Bhasin</i>
<ul style="list-style-type: none"> • Covering the aspects of virtual reality with multimedia. 	

Skills

- **Programming Languages:** C, C++, PHP, Java, Python, HTML/CSS, Java Script.
- **Platforms and Tools:** Windows, Linux, Dreamweaver, NetBeans IDE, MATLAB, Office365, Google-Meet, Google-Classroom, Zoom app, Moodle Cloud, R Studio.
- **AI Frameworks:** Scikit-learn.
- **Big Data Frameworks:** Hadoop, Weka, RapidMiner.

Signature of Faculty Member

(Updated on August 28, 2024)