


Cluster Innovation Centre



...Evolving Senses
Dissolving Boundaries...

संकुल
नवप्रवर्तन
केंद्र

Faculty Performa

Title	Mr.	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		anjaniverma29@gmail.com ; akumar@cic.du.ac.in				
Web-Page		https://ducic.ac.in/				
Educational Qualifications						
Degree		Institution			Year	
Ph.D. Computer Science		Dept. of Computer Science, University of Delhi			Pursuing	
PG M.Sc. Computer Science		Dept. of Computer Science, University of Delhi			2011	
UG B.Sc.(Hons) Computer Science		PGDAV College, University of Delhi			2009	
Career Profile						
Organization: Cluster Innovation Centre (CIC), University of Delhi Designation&Duration: Assistant Professor, 20 th July 2015 to till date.						
Organization: Maitreyi College, University of Delhi Designation & Duration: Assistant Professor, 21st July 2014 to 19th July 2015.						
Organization: Shyama Prasad Mukherji College, University of Delhi Designation & Duration: Assistant Professor, 23rd July 2012 to 20 th July 2014.						
Organization: Keshav Mahavidyalaya, University of Delhi Designation & Duration: Guest Lecturer, January 2012 to April 2012.						
Organization: ACS at Ericsson, Noida-62, Uttar Pradesh Designation & Duration: Associate Engineer, February 2012 to December 2012.						
Organization: Vinove Software & Services Pvt Ltd. New Delhi Designation & Duration: Jr. HTML Developer, June 2011 to December 2011.						

Administrative Assignments

2015-2016

- Member, Admission Committee, CIC
- Member, Examination Committee, CIC
- Member, Panel for 'Selection of BA (H) Humanities and Social Science', CIC, 2015-2016.

2016-2017

- Member, Admission Committee, CIC
- Member, Examination Committee, CIC
- Member, Infrastructure & Space Committee, CIC
- Member, Grievance Committee, CIC
- Member, News Letter, Annual Report, Website Committee, CIC
- Member, Library Committee, CIC
- Member, Cultural and Extra-Curricular Activities Committee, CIC

2017-2018

- Member, Admission Committee, CIC
- Member, Computer & Website Committee, CIC
- Member, Workload & Time -Table Committee, CIC


2018-2019


- Member, Admission Committee, CIC
- Member, Computer & Website Committee, CIC
- Member, Workload & Time -Table Committee, CIC


2019-2020


- Member, Academic Committee, CIC
- Convener, Computer & Website Committee, CIC
- Coordinator, Project Committee, B.Tech, CIC


Areas of Interest / Specialization


 **Machine Learning and Big data:** (Design, Modeling and Solutions of real life problems through ML algorithms)

 **Information Security**(Understanding and learning new models to secure information on different networks)

 **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** (virtual classroom interactive sessions with 3D review)

 **Information Security Systems**

Subjects Taught

- ✍ Reflecting thought processes via Object Oriented Programming
- ✍ Instructing computing devices: Operating Systems
- ✍ Handling information through Data Modeling & Design
- ✍ Understanding Computing Systems Architecture
- ✍ Computer and Brain: Knowledge Discovery and Artificial Intelligence
- ✍ Computer Graphics & Visualization
- ✍ Software Project Management
- ✍ Internet Technologies
- ✍ System Administration & Maintenance
- ✍ Computer Fundamentals
- ✍ Computer Applications in Business
- ✍ Programming Fundamentals
- ✍ Data Structures
- ✍ Database Systems
- ✍ Multimedia Applications

Research Guidance

Semester Long Project in CIC

- ✍ *Image Steganalysis: Nancy in 2020.*
- ✍ *Building Custom ANDROID ROM+KERNEL: Akshansh Bhanjana in 2020.*
- ✍ *Drowsiness detection system: Arjit Yadav in 2020.*
- ✍ *Application development: Hitesh Gautam, Sahil Gupta in 2020.*
- ✍ *Secure System for Misuse of Use: Zaleesh Ahmad, Sahil Gupta in 2019.*
- ✍ *Statistic Analysis of Crime In India: Bhanu Mittal, Bhawna Maharana in 2019.*
- ✍ *Satellite Image Analysis: Arjit Yadav, Shreyansh Tripathi in 2019.*
- ✍ *Web App to write data from selected text from PDF to Github Repository (Cloud) or Local File: Manas Awasthi in 2019.*
- ✍ *Smart Environment: Energy Conservation: Vivek, Tapas Kashyap, Animesh Kujur in 2018.*
- ✍ *Shilling attacks in Recommender Systems: Divya Soni, Lavnish Mankani, Vivek Kumar, Ayush Raj, Sumit Lakra, in 2017.*
- ✍ *Digital Image Steganography: Ayush Jain, Aditya Gaur, Arish in 2016.*

Major Industrial Project in CIC







- ✍ *PHP Back end development, GEMS AND Being Citizen: Kaustabh Joshi in 2016.*
- ✍ *Legally Updated: Rohan Bhardwaj in 2016.*







Summer Internship Project in CIC

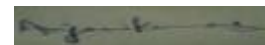
- ✍ *Earthquake Interface: Bhanu Mittal in 2018.*
- ✍ *Developing and Designing E-Portfolio Website: Arjit Yadav, Zaleesh Ahmad in 2018.*
- ✍ *Recommender systems: Prachi Arora in 2018.*
- ✍ *Online Help Desk: Chetan Raghav, Prince Soni, Rupal Gupta, Yashasvi Khanna in 2016.*

Project Work Report - UG Course in College

- ✍ *Virtual reality in different aspects with multimedia applications: Cheshta Mittal, Komal Sharma in 2013.*
- ✍ *Image Steganography: Shobha in 2013.*

Publications Profile
<ul style="list-style-type: none"> • Verma A.K., Dixit V.S. (2020) An Outlier Accuracy Improvement in Shilling Attacks Using KSOM. In: Choudhury S., Mishra R., Mishra R., Kumar A. (eds) Intelligent Communication, Control and Devices. Advances in Intelligent Systems and Computing, vol 989. Springer, Singapore (ISBN 978-981-13-8617-6) • Verma, et al, “A Comparative Evaluation of Profile Injection Attacks” in the conference Proceedings on ICDIS-2017 held by Indira Gandhi National Tribal University, Amarkantak, M.P., India, on 17th-18th November 2017. (ISBN: 978-981-13-0276-3) • Kumar, Anjani, “Review of Comparative Evaluation: Image Steganography” in the International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 2, Issue 5, September-October 2017. (ISSN: 2456-3307) • Verma, et al, “A Review Aspect on Digital Watermarking” in the conference Proceedings on 2nd International Conference: Conjugative Management, Library Information Science, Social Science and Technology for Virtual World [ICCLIST'2017], January 2017. (ISBN: 978-1-63535-633-5) • Verma, et al, “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 • Verma, Anjani Kumar, “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) • Verma, Anjani Kumar, “A Non-Blind Steganalysis through Neural Network Approach”, International Journal of Multidisciplinary Consortium, Volume-1, Issue-1, June 2014. (ISSN: 2309-073X) • Verma, Anjani Kumar, “Steganalysis Detection through Statistical Features” in the conference Proceedings on Innovation Practices in Information Technology & Operation Management (INNOVATIONS-2014), January 2014. (ISBN: 978-81-906991-9-7)
Conference Organization/ Presentations (in the last three years)
<ul style="list-style-type: none">  Presented Paper: Anjani Kumar Verma, Dr. Veer Sain Dixit “An Outlier Accuracy Improvement in Shilling Attacks Using KSOM”, in the proceedings on ICICCD-2018 held by UPES, Dehradun, U.K., India, on 23rd-24th December 2018.  Presented Paper: Anjani Kumar Verma, Dr. Veer Sain Dixit “A Comparative Evaluation of Profile Injection Attacks”, in the proceedings on ICDIS-2017 held by Indira Gandhi National Tribal University, Amarkantak, M.P., India, on 17th-18th November 2017.  Presented Paper: Anjani Kumar Verma “A Review Aspect on Digital Watermarking”, in the proceedings on ICCLIST-2017 held by Modern Rohini Education Society (Regd.), New Delhi, India, on 15th January 2017.  Presented Paper: Anjani Kumar Verma “Steganalysis Detection through Statistical Features”, in the proceedings on INNOVATIONS-2014 held by APEEJAY School of Management, Dwarka New Delhi, India, on 17th January 2014.
Research Projects (Major Grants/Research Collaboration)
<ul style="list-style-type: none">  Co-PI in an Innovation project " Translating “Lilavati of Bhaskara” in the realm of present Mathematics Curriculum' (2015-2016).  Seed Grant from University of Delhi, Delhi (2016).

Awards and Distinctions
<ul style="list-style-type: none">  Faculty Coordinator in the Workshop held in Shyama Prasad Mukherji College, University of Delhi on Ethical Hacking & Cyber Security organized by i3indya Technologies (13th-14th March, 2014)  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 the college (2009).  Honour Appreciation from CS- Xenium Technical Fest in PGDAV College, University of Delhi, as an Event Coordinator (2008).  Secured 3rd rank in Science Fair Zonal Exhibition (2003).
Association With Professional Bodies
Other Activities
<ul style="list-style-type: none"> • Workshop: “Robotics” conducted by EYANTRA IIT Bombay, held in Cluster Innovation Centre, University of Delhi, on 7th-8th January 2020. • Participated in Refresher Course: organized by HRDC, DAVV, Indore, held from 14th November 2018 to 4th December 2018. • Participated in Orientation Course: organized by CPDHE, University of Delhi, Delhi, held from 21st November 2017 to 19th December 2017. • Participated in Technical Seminar on Embedded Software Safety & Security by LDRA Academic Alliance Program (LAAP) on 13th October 2017 at Hotel Hans in New Delhi. • Attended Seminar: “Bayesian Networks- Artificial Intelligence for Research, Analytics, and Reasoning” on 20th September 2017 at Andaz Delhi, Aerocity Studio IV in New Delhi. • Attended Workshop: “FICCI-IPO Awareness Program on Intellectual Property Rights (IPR)” jointly organized by FICCI, Indian patent office, Govt. of India and University of Delhi on 15th September 2017. • Attended Author Workshop: “How to Write and Publish Scholarly Articles” jointly organized by Dr. Zakir Husain Library, JMI & Springer Nature at Jamia Millia Islamia, New Delhi on 24th August, 2017. • Attended Workshop: “Technology & Innovation Management- Key to effective Commercialization” by BCIL held in INSA, New Delhi, 2017. • Attended Workshop: “Big Data Analytics (WBDA-2017)” by SCSS held in Jawaharlal Nehru University, New Delhi, 2017. • Attended Workshop: “HPC Code Modernization (Parallelization)”, held in Department of Computer Science, University of Delhi, technically sponsored by Wipro Limited 2016. • Attended Workshop: “Robotics” conducted by EYANTRA IIT Bombay, held in Cluster Innovation Centre, University of Delhi, 2015. • Participated in Faculty Development Program: organized by DIAS, GGSIP University on Data Mining and Big Data Analytics: Concepts, Techniques, Tools and Research Directions on 13th -14th June, 2014.



Signature of Faculty Member