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Employment Info

Employee Type	Nature Of Employment
Teaching	Permanent

Educational

Degree/Certification	Institution	Year
Ph.D. - Design and Development of Encryption Models Based on Dynamic Key Driven Shuffling Methods	University of Delhi	2019
PG	Guru Gobind Singh Indraprastha University Delhi	2013
UG	Guru Gobind Singh Indraprastha University Delhi	2011

Research Publications

Article Name	Publication Type	Journal Name	ISSN No	Volume	Year	URL	DOI
A cryptographic model based on logistic map and a 3-D matrix	Research Papers in Peer Reviewed Journals	Journal of Information Security and Applications	2214-2126	32			
A cryptographic model for better information security	Research Papers in Peer Reviewed Journals	Journal of Information Security and Applications	2214-2126	43			
A secured cryptographic model using intertwining logistic map	Research Papers in Peer	Procedia Computer	1877-0509	143			

	Reviewed Journals	Science					
Securing images with a diffusion mechanism based on Fractional Brownian Motion	Research Papers in Peer Reviewed Journals	Journal of Information Security and Applications	2214-2126	40			
A reservoir computing approach for forecasting and regenerating both dynamical and time delay controlled financial system behaviour	Research Papers in Peer Reviewed Journals	PLoS One	1932-6203	16			
An Improved Decision Support System for Identification of Abnormal EEG Signals Using a 1D Convolutional Neural Network and SavitzkyGolay Filtering	Research Papers in Peer Reviewed Journals	IEEE ACCESS	2169-3536	9			
Cyber-Physical Systems Enabled Transport Networks in Smart Cities: Challenges and Enabling Technologies of the New Mobility Era	Research Papers in Peer Reviewed Journals	IEEE ACCESS	2169-3536	10			
A new encryption model for multimedia content using two dimensional Brownian motion and coupled map lattice	Research Papers in Peer Reviewed Journals	Multimedia Tools and Applications	1573-7721				

Publications other than journal articles

Title of Publication	Type of Publication	Publisher	Role in Publication	ISBN Number	Year	URL	Level
An Improved Technique for Risk Prediction of Polycystic Ovary Syndrome (PCOS) Using Feature Selection and Machine Learning	Chapters in Books	Springer	Co-Author	978-981-19-7345-1			International
Lighthouse Data Security Model for IoT Applications: A Dynamic Key Approach	Full Paper in Conference Proceedings/Other	IEEE	Author	978-1-5090-5880-8			International

Chaotic Dynamical System Based Image Encryption Model	Full Paper in Conference Proceedings/Other	IEEE	Author	978-1-5090-4031-5			International
Improved Cryptographic Model For Better Information Security	Full Paper in Conference Proceedings/Other	IEEE	Co-Author	978-1-5090-4031-5			International
Investigation of Coupled Map Lattice as a Diffusion Model for Enhanced Image Security	Full Paper in Conference Proceedings/Other	IEEE	Co-Author	978-1-5386-5457-6			International
Performance Evaluation of a New Shuffling Cipher Model with Most Used Chaotic Dynamical Systems	Full Paper in Conference Proceedings/Other	IEEE	Author	978-1-5386-5457-6			International
MeDiFakeD: Medical Deepfake Detection using Convolutional Reservoir Networks	Full Paper in Conference Proceedings/Other	IEEE	Co-Author	978-1-6654-9365-9			International
LIED: A Lightweight and Ensemble learning approach for fake face Detection	Full Paper in Conference Proceedings/Other	IEEE	Co-Author	979-8-3503-9781-9			International
Intertwining logistic map and Cellular Automata based color image encryption model	Full Paper in Conference Proceedings/Other	IEEE	Author	978-1-5090-0082-1			International

Professional development programmes

Title of the Programme	Sponsoring Institution	Organising Institution	Association as	type
NEP-2020: Design and Development of Audio/ Video Programmes		STRIDE- EMPC- IGNOU	Attendee	Short Term Program
Induction cum orientation program for newly recruited faculty of IGNOU		STRIDE IGNOU	Attendee	Orientation Programme

Induction/Orientation Programme	PMMMNMTT	TLC Ramanujan College, University of Delhi	Attendee	Orientation Programme
Developing new perspective in the era of AI/ ML		Meerut Institute of Technology, Meerut	Attendee	Faculty Development Programmes
Development and Delivery of MOOCs and E-Content	MHRD Under PMMMNMTT scheme	CU Haryana and Deshbandhu College, University of Delhi	Attendee	Faculty Development Programmes
Entrepreneurship, Incubation and Innovation	MHRD Under PMMMNMTT scheme	Ramanujan College, University of Delhi	Attendee	Faculty Development Programmes

Seminar / Conference Details / Workshops

Title of the Activity	Attended As	Date
Delivered talk on role of deep learning models in Speech Processing	Speaker	2023-01-18
Live Radio Session on Gyan Vani	Speaker	2022-01-25
Live Radio Session on Gyan Vani	Speaker	2022-06-28
Live Radio Session on Gyan Vani	Speaker	2022-07-27

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