

1. Name (Block letters): **DR. AMRITA KHAMRUI**

2. Department: COMPUTER SCIENCE

3. Current Designation: ASSISTANT PROFESSOR

4. Educational Qualification (Graduation onwards):

Examination	Name of the University	Year of Passing
B.Tech	WBUT	2005
M.Tech	University of Kalyani	2009

5. Research Degree (s):

Degree	Name of the University	Date of Award	Title
Ph.D./ D.Phil	University of Kalyani	28.03.2018	“Genetic Algorithm based Steganography for Image Authentication”

6. Details of Teaching/Research/Academic Experience:

Designation	Employer	Period of service	
		From	To
Assistant Professor (Stage-1) in Computer Science	Governing Body, Vivekananda College, Madhyamgram	04.09.2019	Till Date
Lecturer in Computer Science & Technology at BPCIT, Nadia	Government of West Bengal	28.03.2019	03.09.2019
Assistant Professor in Computer Science & Engineering	Director, Future Institute of Engineering & Management	09.08.2010	27.03.2019

Lecturer in Computer Science & Engineering	Director, Mallabhum Institute of Technology, Bishnupur	01.06.2009	08.08.2010
Lecturer in Computer Science & Engineering	Director, Mallabhum Institute of Technology, Bishnupur	01.08.2006	31.07.2007
Lecturer in Computer Science & Engineering	Director, Ghanashyam Hemalata Institute of Technology & Management, Puri	04.09.2005	31.07.2006

6. RESEARCH AND ACADEMIC CONTRIBUTIONS

A. Published Papers in Journals

S l. N o.	Title, Vol, page nos. & Year	Journal	ISSN /ISBN No.	Whether peer reviewed. Impact Factor, if any	No. of Co- authors	Whether you are the main author
1.	An Authentication Technique for Image/ Legal Document (ATILD) DOI 10.1007/s11265-010-0557-7, December 2010.	Journal of Signal Processing Systems, Springer Science+ Business Media, LLC 2010	ISSN 1939 - 8018	SCIE, Impact Factor: 1.5	2	No
2.	A Genetic Algorithm based Steganography on Color Images (GASCI) DOI:10.1504/IJSISE.2014.057935, January 2014	International Journal of Signal and Imaging Systems Engineering (IJSISE)	ISSN 1748-0701	Scopus Elsevier Impact Factor: 0.7	1	No
3.	An Image Authentication Technique in Frequency Domain using Genetic Algorithm (IAFDGA), DOI:10.5121/ijsea.2012.3504, Vol. 3, No. 5, pp.39-46, Sept. 2012	International Journal of Software Engineering & Applications(IJSEA)	ISSN : 0975-9018	Indexed on DOAJ, EBSCO, INSPEC, Pro Quest	1	No
4.	A Genetic Algorithm based approach in image authentication using Z transform (GAI AZT), 2014 series: Advances B, Vol. 57,N ^o 1, pp 20-30, April 2014.	AMSE Journals	ISSN : 1240-4543	SCImago Journal Rank (SJR) of 0.117	1	yes

5.	Enhanced Steganography in Frequency Domain: A Daubechies Wavelet Transform Approach with Genetic Algorithm Optimization(ADWTGA) Vol. 18, Issue 03, March 2023, page no 133-139	Leadership, Education, Personality: An Interdisciplinary Journal	ISSN: 2524-6178	UGC Care List Journal. Impact factor: 7.621	NIL	Yes
6.	A Genetic Algorithm based Image Authentication Technique for Digital Image using Pixel Value Differencing (GASTPVD) Vol 13 (2023), Issue No 8 (August)	International Journal of Research in Computer Application & Management	ISSN 2231-1009	Double Blind Peer Reviewed Journal	NIL	Yes
7.	A Genetic Algorithm based Image Authentication Technique in Frequency Domain using Haar Wavelet Transform (AGAIAFDHWT)	International Journal of Research in Commerce, IT & Management	ISSN 2231-5756	Double Blind Peer Reviewed Journal	NIL	Yes
8.	A Genetic Algorithm Based Image Authentication Technique Using Daubechies Wavelet Transform (AGAIATDWT), Multidisciplinary, Scientific Work and Management Journal, Vol. 34 Issue 2, July-Dec 2024, Pages: 244-252	MSW MANAGEMENT	ISSN: 1053-7899	SJR 0.101 Q4	NIL	Yes
9.	AI and Social Change: A Study of Algorithmic Activism with Special Reference to the R.G.Kar Hospital Rape Case, Vol. 34 Issue 2, July-Dec 2024, Pages: 226-243	MSW MANAGEMENT	ISSN: 1053-7899	SJR 0.101 Q4	1	No

B. Full Papers in Conference Proceedings

Sl. No.	Title with page nos.	Details of Conference Publications	ISSN /ISBN No.	No. of Co-authors	Whether you are the main author

1.	A Framework for Block based Image Authentication (FBIA), DOI: 10.1109/ICIIS15790.2009 28-31 Dec. 2009	Fourth IEEE International Conference on Industrial and Information Systems (ICIIS)		2	No
2.	A Data Embedding Technique for Gray Scale Image Using Genetic Algorithm (DEGGA), NIT Rourkela, pp.19–22 7–9 January 2010	IEEE Sponsored International Conference on Communication, Computing & Security (Proceedings by Excel India Publishers)	ISBN-978-93-80697-505	1	No
3.	A Data- Hiding Scheme for Digital Image using Pixel Value Differencing (DHPVD), 19-21 December, Kochi, India, 2011	International Symposium on Electronic System Design (ISED)	Print ISBN:978-1-4577-1880-9	1	No
4.	A Genetic Algorithm based Steganography in Frequency Domain (GASFD), 26th – 28th December, Science City, Kolkata , 2011	IEEE 1st International Conference on Communication and Industrial Applications (ICCIA-2011)	Print ISBN: 978-1-4577-1915-8	1	No
5.	A Novel Genetic Algorithm Based Data Embedding Technique in Frequency Domain Using Z Transform (ANGAFDZT), Advances in Intelligent Systems and Computing, 177, Springer, pp.885-893, July 13 -15, Chennai, India(2012)	DPPR- 2012	ISSN No.:2194-5357	1	No
6.	A Genetic Algorithm based Steganography using Discrete Cosine Transformation (GASDCT), Procedia Technology 10 (2013) 105 – 111, University of Kalyani, India, Sept. 27-28, 2013	First International Conference on Computational Intelligence: Modeling, Techniques and Applications, CIMTA-2013		1	Yes
7.	A Novel Genetic Algorithm based Image Authentication technique using Wavelet Transform (ANGAIAWT), pp. 66-71, Salt lake, August 30-31, 2013.	Zonal Seminar, The Institute of Electronics and Telecommunication Engineers Kolkata Centre	ISBN No. 978-93-5126-699-0	NIL	Yes
8.	A Wavelet Transform based Image Authentication approach using Genetic Algorithm (AWTIAGA), 248:251-258, DOI:10.1007/978-3-319-03107-1_28, January 2014	Advances in Intelligent Systems and Computing		1	Yes

9.	A spatial Domain Image Authentication Technique using Genetic algorithm, Communications in Computer and Information Science, vol 776. Springer, Singapore. https://doi.org/10.1007/978-981-10-6430-2_45 .	Computational Intelligence, Communications, and Business Analytics. CICBA 2017		3	Yes
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C) (i) Training Courses, Teaching-Learning -Evaluation Technology Programmes, Faculty Development Programmes (not less than one week duration)

Sl.No.	Programme	Place	Duration	Sponsoring Agency
1.	Faculty Induction Program	Aligarh Muslim University	12.01.2021 to 16.02.2021	UGC
2.	Refresher Course	Madurai Kamaraj University	02.11.2022 to 15.11.2022	UGC
3.	Refresher Course	Punjabi University	19.11.2024 to 04.12.2024	UGC
4.	Faculty Development Programme on "Artificial Intelligence and Data Science"	Oriental Institute of Science & Technology, Bhopal	10.06.2020 to 14.06.2020	Oriental Institute of Science & Technology, Bhopal
5.	Faculty Development Programme on Python 3.4.3	Sued Ammal Engineering College	22.06.2020 to 27.06.2020	IIT, Bombay
6.	Faculty Development Programme on "Machine Learning and Statistical Data Analysis using MATLAB"	Shri Mata Vaishno Devi University, Katra	08.07.2024 to 13.07.2024	UGC
7.	Faculty Development Programme on "Innovation in Recent Trends and Research Applications on Computing and Informatics"	Haldia Institute of Technology	29.07.2024 to 02.08.2024	Department of Information Technology, Haldia Institute of Technology

D. Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title of the Paper presented	Title of Conference/Seminar	Organized by	Whether international/national/
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				state/regional/college or university level
1.	A Data Embedding Technique for Gray Scale Image Using Genetic Algorithm (DEGGA)	ICES 2011	NIT, Rourkela	International
2	A Data- Hiding Scheme for Digital Image using Pixel Value Differencing (DHPVD)	ISED 2011	ISED	International
3	A Genetic Algorithm based Steganography in Frequency Domain (GASFD)	(ICCIA-2011)	Narula Institute of Technology, Kolkata	International
4.	A Novel Genetic Algorithm Based Data Embedding Technique in Frequency Domain Using Z Transform (ANGAFDZT)	DPPR 2012	AIRCC	International
5	A Steganographic Technique for Legal Document Authentication using Wavelet Transform	Two Day International Conference on Philosophical Traditions in India: Community, Culture and Gender	Vivekananda College, Madhyamgram	International

E. Full Time Admin Experience

Sl.no	Details	Experience (in year)
1	Designation: Department-in-charge Department: Computer Science Name of the Organization: Vivekananda College	01.11.2019 to till date (5+ years)