



NAME : Dr. N. Geetha
DESIGNATION : Adjunct Faculty

Contact

Address : Department of Computer Applications
Science Campus,
Alagappa University, Karaikudi.
630002 Tamil Nadu, India.

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Alagappa University, Karaikudi	2023	Computer Science	Highly Recommended
M. Phil	Alagappa University, Karaikudi	2014	Computer Science	First Class with Distinction
M.Sc.	Alagappa University, Karaikudi	2012	Computer Science	First Class with Distinction
B.Sc.	Thiruvalluvar University, Vellore	2006	Computer Science	First Class

Teaching Experience

Total Teaching Experience : 4 Years

Position	Institution	Duration
Teaching Assistant	Department of Computational Computer Applications, Alagappa University, Karaikudi	January 2023 to Till Now
Guest Lecturer	MCA Weekend, Department of Computer Applications, Alagappa University, Karaikudi.	July 2017 to October 2018
Computer Instructor	Alagappa Government Arts College Karaikudi.	September 2014 to June 2016

Research Experience

Total Research Experience : 6 Years

Position	Institution/University	Duration
Research Scholar– Full Time	Department of Computer Applications, Alagappa University, Karaikudi	01.04.2020to20.01.2023
Research Scholar– Full Time AURF Transferred to RUSA Fellowship	Department of Computer Applications, Alagappa University, Karaikudi	19.04.2019to31.032020
Research Scholar– Full Time AURF	Department of Computer Applications, Alagappa University, Karaikudi	18.04.2017 to 18.04.2019

Areas of Research

- Video Processing
- Video Encryption
- Cryptography
- Cloud Computing

PublicationsDetails

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
8	8			1

CumulativeImpactFactor(asperJCR) :4.369

h-index :3

i10index :-

TotalCitations :13

Awards/Achievements

1. **Best Paper Award** in the National Seminar on “**Advances in Computer Science (NSACS 2016)**”organized by the Department of Computer Science, Alagappa University, Karaikudi during 21st and 22nd October, 2016.
2. AURF and RUSA2.0 Fellowship Awardee.
3. Reviewer of International Journal of Super Computing, Springer.IF:3.3

Events Organized in Leading Roles

Number of Seminars/Conferences/ Workshops/Events Organized:

Position	Programme	Duration	Institution
Organizing Committee Member	One day National Seminar on “Artificial Intelligence in Healthcare Diagnosis and Beyond”	20.10.2023	Department of Computer Applications, Alagappa University
Organizing Secretary	National Conference on “Recent Research Trends in Computer Science (NCRRTCS’19) Sponsored under RUSA Phase2.0	04.11.2019	Department of Computer Applications, Alagappa University
Technical Committee Member	DST-PURSE Sponsored Two days National Seminar on “Recent Research Trends and Developments in Computer Science	8th and 9th March2019	Department of Computer Applications, Alagappa University
Technical Committee Member	International Conference on “Information,Communication and Digital Security(ICICDS2018)	21st and 22 nd March2018	Department of Computer Applications, Alagappa University

Technical Committee Member	Two days Short Term Training Programme on “Handson Training in Computer Networks and R Programming”	31st January and 1st February 2018	Department of Computer Applications, Alagappa University
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Events Participated

Number of Conferences / Seminars / Workshops : 23

List of Research Articles/Recent Publications

S.No	Authors/Title of the paper /Journal	Impact Factor
1	Geetha, N., Mahesh, K. An Efficient Enhanced Full Homomorphic Encryption for Securing Video in Cloud Environment. Wireless Pers Commun 123, 1553–1571(2022). https://doi.org/10.1007/s11277-021-09200-w	2.017
2	Geetha, N., Mahesh, K. "Efficient Video Encryption using RRS Algorithm," International Journal of Pure and Applied Mathematics Volume 118 No.9 2018, 885-890.	7.19
3	Geetha, N., Mahesh, K. “MPEG-7 Visual Shape Descriptor Encryption” International Journal Of Scientific & Technology Research Volume 9, Issue 03, March 2020, ISSN 2277-8616.	-
4	Geetha, N., Mahesh, K. "BITS–A Novel Video Encryption Algorithm," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN:2278-3075, Volume-9 Issue-8, June 2020.	-
5.	Geetha, N., Mahesh, K. “Video Frame Encryption Using Symmetric Algorithm” International Conference on Communication and Signal Processing 2020. IEEE.	3.9
6.	Geetha, N., Mahesh, K. “Video Encryption Using Chaos-Based Information Entropy” (November 21, 2020). Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering (ISMAC-CVB 2020), Available at SSRN: https://ssrn.com/abstract=3734878 or http://dx.doi.org/10.2139/ssrn.3734878	-
7.	Mohanapriya, D., Rajalakshmi, K., Geetha, N. , Gayathri, N., & Mahesh, K. “Video Processing – Challenges and Future Research”, HEB CASS.	
8.	K.Mahesh KR.Seethalakshmi, N.Geetha , ”A Review on Video Encryption Techniques”, International journal of advanced research methodology in engineering & technology. (IJARMET) ISSN2456-6446, Volume3, Issue1, Pages113-117.	

Publications–International Conference

1. Presented a Paper entitled “**RGB Component Encryption of Video using AES-256 bit Key**”, in the International Conference on Computer Networks, Big Data and IOT(ICCBI-2018), organized by Vaigai College of Engineering, during December 19-20, 2018 at Madurai, India.
2. Presented a Paper entitled “**Efficient Video Encryption using RRS Algorithm**”, in the International Conference on Advances in Computer Science, Engineering and Technology (ICACSET’18), organized by Kalasalingam Academy of Research and Education, Krishnan koil, on 19th and 20th of January 2018.
3. Presented a Paper entitled “**A Fleeting review on Video Encryption ways and means**”, in the International Conference on Information, Communication and Digital Security ICICDS2018, organized by the Department of Computer Applications, Alagappa University, Karaikudi, held on March 21-22, 2018.
4. Presented a Paper entitled “**Enhanced Video Encryption using AES-256 Algorithm with RGB Components**”, in the 2nd International Conference on Big Data and Cloud Computing, organized by Department of Computer Sciences Technology, Karunya Institute of Technology & Sciences, Coimbatore during March 23, 2018.
5. Presented a Paper entitled “**A Survey of Video Steganographic Techniques**” in the National Conference on Mining, Internetworking and Data Security-MINDS2014, organized by Department of Computer Science and Engineering, Alagappa University, Karaikudi, 27th and 28th March 2014.

PUBLICATIONS–Book Chapters

1. Presented a Paper entitled “**RGB Component Encryption of Video using AES-256 bit Key**”, in the International Conference on Computer Networks, Big Data and IOT(ICCBI-2018), organized by Vaigai College of Engineering, during December 19-20, 2018 at Madurai, India.

Date : 26.02.2024

Name: Dr.N.Geetha

Place : Karaikudi

Designation : Adjunct Faculty

