

FACULTY NAME

Designation : Assistant Professor (S.G)

Nature of Employment : Teaching

Qualification : Ph.D

Phone : 9445764585

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Education Background:

Degree	Discipline	Year of Passing	University
Ph.D.	Computer Science and Engineering	2020	Hindustan University
M.E.	Computer Science and Engineering	2009	Anna University
M.C.A	Computer Applications	2002	Bharthidasan University

Work Experience:

S. No.	Designation	Institution	Duration		Experience
			From	To	
1.	AP(S.G)	Hindustan Institute of Technology and Science	2006	Till date	16yrs
2.	Lecturer	Bharthidasan college of Engineering and Technology	2005	2006	1
3.	Software Programmer	Technzone Software Solutions	2004	2005	1
4.	Software Programmer	Jine Infotech	2003	2003	2
Total					20

Lecture Courses:

- Java Programming
- Advanced Java Programming
- Object Oriented Programming
- Programming in C
- Data Structures
- Database Management Systems
- Web Applications
- Software Testing
- Web Graphics
- Service Oriented Architecture
- Distributed Database Systems
- Web Designing
- Software Testing
- Artificial Intelligence

5. RESEARCH

Research Area: Bio-Medical Engineering

Research Publications:

- Chitradevi D, “Hybrid Whale and Grey Wolf deep learning optimisation algorithm for prediction of Alzheimer Disease”. Journal of Healthcare Engineering. 2022 (Got acceptance).
- Chitradevi D and Prabha S., “MR Brain Screening using Optimization Techniques - A survey”. Current Medical Imaging. 2021, doi: 10.2174/1573405617666211126154101. Epub ahead of print. PMID: 34825877.
- Chitradevi, D., Sanju Rajan, “Influencing factors towards COVID-19 through Air Pollution”, International Conference on Advances and Innovations in Recycling Engineering (AIR2021)”, UPES, Dehradun.
- Prabha S, Sakthidasan and Chitradevi “Efficient Optimization based Thresholding Technique for Analysis of Alzheimer MR Images”, International Journal of NeuroScience, Taylor & Francis Online, Impact factor: 2.107, 2021, <https://doi.org/10.1080/00207454.2021.1901696>
- Muthukamatchi, M. Veerachamy, M. Chitradevi, D. “Exploration of academic dishonesty among higher education students build by gender analysis”, Turkish Journal of Computer and Mathematics Education, 12(2):3385-3391.
- Chitradevi, D., Prabha, S, and Dr. Alex Daniel Prabhu, “Diagnosis of Alzheimer Disease in MR Brain Images using Optimization Techniques”, Neural Computing and Applications, Springer, Impact Factor: 4.66, DOI: 10.1007/s00521-020-04984-7, 2020.
- Chitradevi D, Prabha S, “Analysis of Alzheimer Disease using Optimization Techniques”, IEEE sponsored International Conference on Bio Signals, Images and Instrumentation, 2020.
- Chitradevi D, Prabha S, “Analysis of Brain Sub Regions using Optimization Techniques and Deep Learning Method in Alzheimer Disease”, International Journal of Applied Soft Computing, Impact factor: 5.472, 86:105857-105888, 2020.

- Kumar, K.V., Chitradevi, D, Open eyes, International Journal of Pharmaceutical Research, 2019, 11, pp. 872–875.
- Chitradevi, D., Prabha, S, “Brain Hemisphere Analysis Using Genetic Algorithm and Fuzzy Clustering in Alzheimer Disease”, IEEE International Conference on Communication and Signal Processing, 2018, pp. 901–905, 8524378
- Usha D, Chitradevi D, “An Enhanced Rule Mining algorithm to Detect Suspects of Crime Against Women in the State of Tamil Nadu”, International Conference on Recent Trends in Engineering Science ICRTES 2018, Feb 2018.
- Chitradevi D, S. Prabha “Evaluation of Symmetry Plane using Genetic algorithm”, IEEE sponsored International Conference on Bio Signals, Images and Instrumentation, March, 2017.
- Chitradevi D “Life Span Maximized Routing with Fault Tolerant”, National Conference on Intelligent and Information Systems, February, 2017
- Chitradevi D, “Identifying Waterbodies' from Satellite Images”, National Conference on Information and Communication Engineering, April, 2017.
- Chitradevi D, “Appraisal Management Systems”, International Conference on Knowledge based Computing Technologies”, February, 2017.
- Chitradevi D, “Life time maximized Routing with Fault Tolerant Mechanism in wireless sensor Networks”, International Conference on Current Trends in Engineering Research, March 2015.
- Chitradevi D, “A Survey on MRI based automated Brain Tumor Segmentation Techniques” International Journal of Advances in Computer Science and Technology, November, 2014.

Book Chapters

- Chitradevi D, “Review on Imaging Features for COVID-19”, Book Chapter on Computational Modelling and Imaging for SARS-CoV-2 and COVID-19, Taylors and Fransis, CRC Press, July, 2021.

Journal Publication Details:

- Chitradevi D, “Hybrid Whale and Grey Wolf deep learning optimisation algorithm for prediction of Alzheimer Disease”. Journal of Healthcare Engineering. 2022 (Got acceptance).
- Chitradevi D and Prabha S., “MR Brain Screening using Optimization Techniques - A survey”. Current Medical Imaging. 2021, doi: 10.2174/1573405617666211126154101. Epub ahead of print. PMID: 34825877.
- Prabha S, Sakthidasan and Chitradevi “Efficient Optimization based Thresholding Technique for Analysis of Alzheimer MR Images”, International Journal of NeuroScience, Taylor & Francis Online, Impact factor: 2.107, 2021, <https://doi.org/10.1080/00207454.2021.1901696>
- Muthukamatchi, M. Veerachamy, M. Chitradevi, D. “Exploration of academic dishonesty among higher education students build by gender analysis”, Turkish Journal of Computer and Mathematics Education, 12(2):3385-3391.
- Chitradevi, D., Prabha, S, and Dr. Alex Daniel Prabhu, “Diagnosis of Alzheimer Disease in MR Brain Images using Optimization Techniques”, Neural Computing and Applications, Springer, Impact Factor: 4.66, DOI: 10.1007/s00521-020-04984-7, 2020.

- Chitradevi D, Prabha S, “Analysis of Brain Sub Regions using Optimization Techniques and Deep Learning Method in Alzheimer Disease”, International Journal of Applied Soft Computing, Impact factor: 5.472, 86:105857-105888, 2020.
- Kumar, K.V., Chitradevi, D, Open eyes, International Journal of Pharmaceutical Research, 2019, 11, pp. 872–875.

Conference Publication Details:

- Chitradevi, D., Sanju Rajan, “Influencing factors towards COVID-19 through Air Pollution”, International Conference on Advances and Innovations in Recycling Engineering (AIR2021)”, UPES, Dehradun.
- Chitradevi D, Prabha S, “Analysis of Alzheimer Disease using Optimization Techniques”, IEEE sponsored International Conference on Bio Signals, Images and Instrumentation, 2020.
- Chitradevi, D., Prabha, S, “Brain Hemisphere Analysis Using Genetic Algorithm and Fuzzy Clustering in Alzheimer Disease”, IEEE International Conference on Communication and Signal Processing, 2018, pp. 901–905, 8524378
- Usha D, Chitradevi D, “An Enhanced Rule Mining algorithm to Detect Suspects of Crime Against Women in the State of Tamil Nadu”, International Conference on Recent Trends in Engineering Science ICRTES 2018, Feb 2018.
- Chitradevi D, S. Prabha “Evaluation of Symmetry Plane using Genetic algorithm”, IEEE sponsored International Conference on Bio Signals, Images and Instrumentation, March, 2017.
- Chitradevi D “Life Span Maximized Routing with Fault Tolerant”, National Conference on Intelligent and Information Systems, February, 2017
- Chitradevi D, “Identifying Waterbodies' from Satellite Images”, National Conference on Information and Communication Engineering, April, 2017.
- Chitradevi D, “Appraisal Management Systems”, International Conference on Knowledge based Computing Technologies”, February, 2017.
- Chitradevi D, “Life time maximized Routing with Fault Tolerant Mechanism in wireless sensor Networks”, International Conference on Current Trends in Engineering Research, March 2015.
- Chitradevi D, “A Survey on MRI based automated Brain Tumor Segmentation Techniques” International Journal of Advances in Computer Science and Technology, November, 2014.

FDP/STTP/ Workshop Certifications obtained:

- Attended two days’ workshop on “Empowering Professional Women” by Auuro Educational Services in Hindustan Institute of Technology and Science.
- Attended one-day workshop on “Robotic Vision”
- Attended 6 days training program on “Communication Empowerment” by Ebek
- Attended 10 days’ workshop on “Big Data Analytics” by various IT industries in Hindustan Institute of Technology and Science.
- Attended two days’ workshop on “Application Development Frameworks” at Kingston Engineering college, Vellore.
- Faculty Development Program attended on “Communication and skills” held at Hindustan Institute of Technology and Science.

- Faculty Development Program attended on “Networking” held at KCG College of Engineering, Chennai.
- Faculty Development Program attended on “Leadership, Communication and Assessment” held at Hindustan Institute of Technology and Science.
- Two days’ workshop on “Numerical Computation, Optimization of Functions and Differential Equation” at Hindustan Institute of Technology and Science.
- FDP on “Communication Empowerment Training Program” at Hindustan Institute of Technology and Science
- Attended three days’ workshop on “Advanced Java Technologies” (Organized for Infosys Campus Connect Team Members) at the Dhanalakshmi Engineering College, Chennai.
- Two days’ workshop on “Python for the Web” in SSN Engineering College.
- Attended “coding training program” in association with Codechef.
- Faculty Development Program attended on “Rational Rose training” held at Hindustan Institute of Technology and Science.
- One-day workshop on “R” at Hindustan University, Chennai.
- One-day workshop on “Android Applications” at Hindustan Institute of Technology and Science, Chennai.
- One-day workshop on “Research Methodology” at Anna University, Chennai.
- One-day workshop on “Brand Building” at Hindustan Institute of Technology and Science, Chennai.
- Attended two days’ workshop on “Machine Intelligence” at Hindustan Institute of Technology and Science, Chennai.
- Attended two days’ workshop on “MATLAB” at Hindustan Institute of Technology and Science, Chennai.
- Attended Seminar on “Educational awareness” conducted by Computer Society of India, CSI Chennai Chapter, Chennai
- Every year I have attended Annual CSI Convention which is conducted by Computer Society of India and I got awarded.
- Attended “IBM T3 program on Business Intelligence, Service Oriented Architecture and Business Process Management”.
- Attended IBM T3 program on “Python programming and Information Security Audit and Monitoring”.
- Attended FDP on “Outcome Based Education” conducted by IIT Madras.
- Attended FDP on “Java Programming” program conducted by ICTAcademy.
- Attended five days FDP on “Accelerating Industry 4.0 - A Post Covid Paradigm” conducted by ICTAcademy.
- Attended two days FDP on “Global Mega Trends, Technologies & Covid 19 Impacting Sectors” conducted by ICTAcademy.
- Attended five days FDP on “Skycampus - THE FUTURE IS HERE NOW”, conducted by ICTAcademy.
- Attended five days FDP on “The Future of Education, Employment & Entrepreneurship” conducted by ICTAcademy.
- Attended five days FDP on “Data Science Concepts-Theoretical and Practical Approach”, conducted by Dayananda Sagar University.
- Attended three days FDP on “Software Engineering”, conducted by S.A Engineering College.
- Attended six days FDP on “Cyber Security and Block Chain” conducted by Auxileo Labs and IARE for Research and Education and organized by the Department of Information

Technology and Computer Science & Information Technology, Institute of Aeronautical Engineering.

- Attended five days FDP on “Big Data Analytics and Security with Block chain- The Future”, conducted by Sai Ram Engineering College.
- Attended five days FDP on “Research Capabilities in Fog and Edge Computing”, conducted by Sai Ram Engineering College.
- Attended eight days FDP on “OBE & Blooms Taxonomy”, conducted by Ramkrishna Mission Vivekananda Centenary College.
- Attended five days FDP on “Recent Trends in Smart Computing”, conducted by Vishwakarma Institute of Information Technology.

Research Grant Details:

S. No.	Funding Agency	Title	Role	Duration	Amount (Rs.)	Current Status
1.						

Achievements:

- I have selected as a “Peer Reviewer of The 8th International Conference on Fuzzy Systems and Data Mining (FSDM 2022)” to be held in Xiamen, China during 4-7 November 2022.
- I have got an award of “Active Participation Award (SBC)” from Computer Society of India, 2022.
- Initiated to get “Best Supporting College Award” from Computer Society of India, 2022
- I have completed online courses from Coursera such as, Introduction to Data Science, Python Basics for Data Science and Java Certification Course from edx and skillup.
- I have selected as an editor for Annals of Applied Sciences Journal, 2021.
- I am guiding two Ph.D scholars in Hindustan Institution of Technology and Science.
- I have selected as a reviewer for Applied Soft Computing Journal, 2021.
- I have got “Encouragement Award” from Hindustan Institute of Technology and Science, 2021.
- I have got an award of “Active Participation Women” from Computer Society of India, 2020.
- Two years I have selected as “Executive Committee Member” in Computer Society of India, Kancheepuram Chapter, 2019-2020 and 2020-2021
- I have applied to get CSI award “Institution Awards Best Accredited Student Branch Award” from CSI, 2017.
- I am an Anna University Rank (15th Rank) holder in M.E (CSE) degree.
- I am life member of Computer Society of India.
- I have got “Best Mentor Appreciation Certificate” from Hindustan Institute of Technology and Science, 2019.
- I have got “Hindustan Innovation Challenge award” for mentoring the Students from Hindustan Institute of Technology and Science, 2018.
- I have completed online courses from Coursera such as, Python Data Structures, Introduction to Big Data, AI for Everyone, Machine Learning to all, Introduction to

HTML5, Agile Software Development, Programming for Everybody Programming Fundamentals and so on.

- Completed online course from Imad, Introduction to Modern Application Development offered by IIT Madras and Hasura.
- Completed online courses from Cognitive Class such as, Introduction to Data Science, Block chain Essentials and Introduction to Big Data.
- Completed online course on Python Programming in Hindustan Institute of Technology and Science.
- Completed the CURIOUS program, conducted by IIT Madras-HTIC MedTech Incubator (MTI).
- I have motivated and recommended the students to get Internship.