

1.NAME AND ACADEMIC RANK: Dr. G. Soniya Priyatharsini, Ph.D

Professor



2.EDUCATION:

PhD	Computer Science and Engineering, Veltech Rengarajan DR.Sagunthala R&D Research institute of science and technology, Chennai,2019
M.Tech	Computer Science and Engineering, M.S.University, Tirunelveli, 2010
B.Tech	Information Technology, Anna University, Chennai, India, 2006

3. ACADEMIC EXPERIENCE:

2024-Present	Professor, Department of Computer Science and Engineering, Dr. M.G.R. Educational and Research Institute, Chennai.
2021- 2024	Associate Professor, Department of Computer Science and Engineering, Dr. M.G.R. Educational and Research Institute, Chennai.
2012-2020	Assistant Professor, Vins Christian College Of Engineering, , KK Dist. full time
2011-2012	Lecturer, Computer Science and Engineering Department, Veltech Rengarajan Dr. Sagunthala R&D Research Institute of Science and Technology, Chennai, full time
2008-2010	Assistant Professor, Department of Computer Science and Engineering, Dr. M.G.R. Educational and Research Institute, Chennai, full time

.4. NON-ACADEMIC EXPERIENCE:

2006 – 2008	Team Leader, Teton Technologies, Chennai, full time
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5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:

- MISTE
- ACM- (Association of Computing Machinery) 5903506
- Research Gate - <https://www.researchgate.net/profile/Gsoniya-Priyatharsini/publications>
- Google Scholar- rpGldccAAAAJ
- Scopus ID- 57200040949
- Orchid –Membership ID -0000-0001-9191-2619
- CSTA-Member
- IAAC – Membership ID -FRT JQC-CE000800

6. CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- International Association of Engineers (IAENG), Member No: 315151

- Cloud Computing AWS – 2016
- Infosys-Springboard-2024

7. **HONORS AND AWARDS:**

- Coordinator- National Conference National Conference on Innovative Computing Techniques '24
- Session Chair, 9th National Conference ICON'24, 20th MARCH 2024.
- Panel Member, DC Meeting For Mrs. Silambarasi-Research Scholar, Saveetha Engineering College, Thandalam, 27-12-23
- Session Chair, IEEE Sponsored 1st International Conference on Intelligent Computing and Control for Engineering and Business Systems(ICCEBS'23), Sri SaiRam Engineering College, Chennai, 14th & 15th 2023.
- Panel Member, National Conference on Innovative Computing Techniques, NCICT'23 4th April 2023.
- Panel Member, 7th National Conference ICON'22, 28th April 2022.

8. **SERVICE ACTIVITIES:**

- Organized FDPs, National Conference
- Primarily responsible for teaching the students especially in Cloud Computing, Design and Analysis of Algorithms, Data structures, php/Mysql etc
- Currently involved in publishing papers in reputed journals and presenting them in international/National conferences
- Guiding and mentoring graduate students in research projects
- Preparing and conducting undergraduate and graduate seminars & Workshops
- Engaging in collaborative work with external researchers
- Exploring and implementing new techniques in teaching
- BOS Member for Course Framing
- Member, Timetable Committee of Department of CSE Department
- Various Academic and Administrative Committees at DrMGRERI

9. PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS (2019-2024):

PATENTS

- Dr. Victo Sudha George, Dr.G.Soniya Priyatharsini, Mrs. A.Maheswari, Mrs.R.M.Sarith, “Machine Learning Based System For Detecting Email Spam Or HAM Using ID3 Algorithm.”. Patent ID 10118SR
- Manish Chhabra, Dr.Sujata V Mallapur , Dr.G Soniya Priyatharsini, Narender Chinthamu, Dr.Ashish, “MULTI OBJECTIVE OPTIMIZATION TECHNIQUE FOR TASK SCHEDULING IN CLOUD COMPUTING ENVIRONMENT”, Application Number : 202311003515.
- Dr. Ishwarya M. V, Dr. P. Neelaveni, Ms. S. Hemavathi, N. Gopinath, Dr. N. Meenakshi, Mrs Jayashree Ananth, Dr. N. Kumar, Dr. G. Soniya Priyatharsini, Dr. Suresh Anand. M, Mr. S. Venkat,” IOT BASED WEARABLE HEALTH MONITORING AND ASSISTED LIVING OF ELDERLY PEOPLE”, Application No.202241037204 A, Date Of Filing Of Application :29/06/2022, Publication Date: 08/07/2022
- Dr. L. Raja, Dr. Prabodh Kumar Khamariya, Dr. Sheela V. K,Dr.G.Soniya Priyatharsini, “SOLAR POWERED ESCALATOR”,Application Number 202141017941, Publication Number 17/2021 Publication date 23/04/2021.

BOOKS PUBLISHED

- Dr.G.Soniya Priyatharsini, Dr.R.Aruna, Dr.Reshmi,B, Dr.M.Prakash,” Artificial Intelligence & Machine Learning-Applications”, ISBN 978-81-960146-9-8, Indo Continental Academic Publishers, India (April 2023)
- Madhavi Latha Pandala , Dr. G. Soniya Priyatharsini , “Web Technology for Beginners”, ISBN-13 : 979-8885917001, Notion Press; 1st edition (7 February 2022).
- Dr. K.L. Sumathy, Dr.G.Soniya Priyatharsini, Dr.Venkat.P.Patil, Dr.J.Senthil Murugan, “Cloud Computing for Beginners”, ISBN 978-93-94304-26-0, GCS Publishers, India JOURNALS PUBLISHED
- Dr.G.Soniya Priyatharsini, Aruna M, Madhubala, Kiran Kumar P “Convolution Neural Network For The Prediction Of Rna Using Heterogeneous Network”, Ieee Conference, May 2023.

- Dr.S. Geetha, Dr.G.Soniya Priyatharsini, Dr.E.Ethiraj, Dr.Victo Sudha George,”Deep Learning in Personalized Healthcare and Decision Support”, Chapter 20: Avant-garde techniques in machine for detecting financial fraud in healthcare, 978-0-443-19413-9 B978-0-443-19413-9.00020-5,10-Apr-2023.(Elsevier-Book Chapter)
- Soumiya Sree.C, Dr.G.Soniya Priyatharsini, Dr.S.Geetha,”Detection of Cyber Attack and Perpetrator Prediction Using Supervised Machine Learning Algorithm”, Journal of Data Acquisition and Processing, DOI 10.5281/zenodo.7766140, ISSN: 1004-9037.Vol 28,2023.
- Velmurugan M, Dr.G.Soniya Priyatharsini,”Improving Movie recommendation system using feature selection”, Published in the international conference and journal of Artificial Intelligence and smart computing by Bannari amman institute of technology, sathyamangalam, India. On 11 March 2023.
- Sujith M, Dr.G.Soniya Priyatharsini,”Improving Movie recommendation system using feature selection”, Published in the international conference and journal of Artificial Intelligence and smart computing by Bannari amman institute of technology, sathyamangalam, India. On 11 March 2023
- G Soniya Priyatharsini. JyothiBabu. GnanaKiran,Sathish KumarP.J.Nelson Kennedy BabuC.AleemAli, ” Self-secured model for cloud based IOT systems”, Measurement: Sensors 24 (2022) 100490, September 2022, <https://doi.org/10.1016/j.measen.2022.100490>
- G.Soniya Priyatharsini and Malarvizhi, N, “Heuristic method for cloud resource consolidation with ECRC Algorithm”, Journal of engineering and applied sciences 12, 6325-6331, ISSN:1816- 949X, 2017 (Indexed in scopus).

INTERNATIONAL CONFERENCE

- Dr.G.Soniya Priyatharsini, Dr. Sivanesan Bala Krishnan, Pravin R. Kshirsagar, Prasun Chakrabarti, “CODE BLUE TO CODE DEEP: TRANSFORMING LUNG DISEASE DIAGNOSIS WITH DEEP LEARNING”, Birla Institute of Technology & Science, BITS Pilani, Dubai, March 2024
- Dr.G.Soniya Priyatharsini, M.Swarna, Tejaswini N, R.Jegadesh, “System Architecture for an Explicit and Data Driven Customer Sentiment Tracker”, 1st International Conference on Materials, Analysis & Advanced Manufacturing

(MA'AM 23), Department of Mechanical Engineering, Veltech Rengarajan Dr.Sagunthala R&D Institute of Science and Technology

- Koppula anandh, Sivarama Krishna, Dr.V.Sai Shanmuga Raja, Dr.G.Soniya Priyatharsini, "Student Live behavior Monitoring in online classes using Artificial Intelligence", International Journal of science research in Engineering and Management (IJSREM), 2024
- Shaik Shameena Taj, Dr.G.Soniya Priyatharsini,Dr.S.Geetha, "Lifi: A Game Changer in Data Transmission and Network Security", Published in the international conference and journal of Artificial Intelligence and smart computing by Bannari amman institute of technology, sathyamangalam, India. On 11 March 2023.

NATIONAL CONFERENCE

- B. Balasubramani, B. Balaji, N.Arun Kumar, G. Soniya Priyatharsini," Revolutionize Parking With Smart Technology" published in National Conference on National Conference on Innovative Computing Techniques, NCICT'23, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, April 2023.
- Dr.G.Soniya Priyatharsini, Tejaswini, Swathy,"Movie success Prediction using Machine Learning Algorithm", published in National Conference on National Conference on Recent trends in ABCD(AI,Block chain, Cloud computing, Data Analytics), ICON'23, Organized by department of IT ,Dr.M.G.R. Educational and research Institute, April 2023.
- Reshma Gosu, Navya Guduru, Dr.G. Soniya Priyatharsini, Dr.S. Geetha,"Automated Leaf identification and classification using Image processing and Feature Extraction", published in National Conference on National Conference on Innovative Computing Techniques, NCICT'23, Organized by department of CSE, Dr.M.G.R. Educational and research Institute, April 2023.
- Navya Guduru, Reshma Gosu, Dr.G. Soniya Priyatharsini, Dr.S. Geetha,"Cloud Migration Strategies And Best Practices For Enterprises", published in National Conference on National Conference on Innovative Computing Techniques, NCICT'23, Organized by department of CSE,Dr.M.G.R. Educational and research Institute, April 2023.

- Y. Dinesh Kumar Reddy, U. Bala Vijay Sai, Y. Sai Ganesh Reddy, Dr.G.Soniya Priyatharsini, “THE POWER OF SELF - AWARENESS: THE IMPORTANCE OF DEPRESSION DETECTION”, published in National Conference on National Conference on Innovative Computing Techniques, NCICT’23, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, April 2023.
- G.NITHESH, Dr.G.Soniya Priyatharsini, Dr.S.Mohandoss,”Encryption and compression of multimedia files in cloud”, published in International Conference on National Conference on Innovative Computing Techniques, NCICT’23, Organized by department of CSE, Dr.M.G.R. Educational and research Institute, April 2023.
- LEKKALA SNEHA, Dr.G.Soniya Priyatharsini, Dr.S.Mohandoss,”Skin Disease Prediction using Machine Learning”, published in International Conference on National Conference on Innovative Computing Techniques, NCICT’23, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, April 2023.
- Bhavanam Dhevika Reddy, 2 R. Jagadesh, 3 NeelarapuTejaswini, Dr.G. Soniya Priyatharsini, 5 Dr Arun Shalin Lv, “An Independent & Cost Effective IoT based System for Safe Ride of the Vehicle”, NCICT, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, May 2022
- Neelarapu Tejashwini, Chinthakuntla Vignesh, Dr.G. Soniya Priyatharsini, Dr.D.Usha, “Vision With Artificial Intelligence”, NCICT, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, May 2022.
- S.Tharun Kumar, R.Jagadesh, Dr.G. Soniya Priyatharsini, Dr.S.Geetha,” Impact Of Electric Vehicles-Towards Global Net Zero Emmision By 2050”, NCICT, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, May 2022.
- Siddhardha, S.Tharun Kumar, Dr.G. Soniya Priyatharsini, Dr.S.Mohandoss, “Sensor Technologies- Understanding Their Applications In Various Domains”, NCICT, Organized by department of CSE ,Dr.M.G.R. Educational and research Institute, May 2022.
- G.Soniya Priyatharsini, and N. Malarvizhi “Firefly and cuckoo search algorithm: Good combination for optimization techniques”, National Conference, on

NCRICSE'16, Organized by Department of CSE ,RMK Engineering College,
May 2016

10. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:

- Participated in FDP on “Impact on Information Technology in Diverse Domains”, 17-07-2023 to 24-07-2023, organized by Dwarakha Doss Goverdhan Doss Vaishnav college, Arumbakkam Chennai.
- Participated in 6 days FDP on “Empowering Innovators: Unleashing the potential of Intellectual Property, Research funding, Technology and Entrepreneurship”, 24-7-2023 to 29-7-2023, organized by Panimalar Institute of technology-AICTE.
- Participated in one week FDP on “Recent Trends in Health care”, Organized by Vishwakarma Institute of Information Technology, 18-12-2023 to 22-12-2023.
- Participated in FDP on “Emerging tools & Techniques in cloud computing & Data science”, 19-02-2024 to 24-02-2024, organized by the school of computer science and engineering, Narasimha Reddy Engineering College, Hyderabad.
- Participated in FDP on “Use of ICT Tools for Education- Google product(Series 2)”, 27-08-2023, organized by academic Staff College, Dr.M.G.R Educational and Research Institute, Chennai.
- Participated in FDP on “Research Writing & Publication Process”, 16-03-2024 to 17-03-2024, Organized by Center for research & Training, National Foundation for Entrepreneurship, Department of Computer Science, Dr.MGR Educational and Research Institute, Chennai.
- Participated in FDP on “Innovative Computing Technologies for Healthcare Systems”, 19-02-2024 to 23-02-2024, organized by Department of Computer Science in association with St.Peter’s Institute of Higher Education and Research, Avadi, Chennai.
- Participated in 5 days FDP on “Research- The journey from Inception to publishing”, 05-02-2024 to 09-02-2024, Organized by Center for research & Training, National Foundation for Entrepreneurship, Department of Computer Science, Dhanraj Baid Jain College, Thoraipaakam, Chennai.
- Participated in 5 days FDP on “The Future of Generative AI in Academic Research and Publishing”, 02-01-2024 to 06-01-2024, organized by Department of Computer Application and Science in association with Institute of Engineering & Management, Kolkata.

- Participated in 5 days FDP on “Cyber Intelligence and awareness on social media security v2.0”, 27-11-2023 to 01-11-2023, organized by Department of Computer Application and Science in association with Institute of Engineering & Management, Kolkata
- Participated in FDP on “ Deep Learning ad its applications ”, 11-07-2022 to 15-07-2022, Department of AI and DS , SAI RAM College With ISTE
- Participated in FDP on “The Role of Artificial Intelligence in Renewable Energy Applications”, 1-8-2022 to 5-8-2022, KPR Institute of Engineering and technology, Chennai.
- Participated in FDP on “ Five Day International Virtual Faculty Development Program ”, 20-06-2022 to 24-06-2022, Kings College of Engineering, Chennai
- Participated in FDP on “Intellectual Property Rights”, 09-05-2022 to 14-05-2022, Department of ECE, DR.MGR Educational and research Institute.
- Participated in FDP on “Next Generation Computing”, 18-04-2022 to 23-04-2022, Department of CSE,SRM Institute of Science and Technology.
- Participated in FDP on “Advancements in Computational Technologies”, 28-3-2022 to 01-04-2022, Department of CSE, DR.MGR Educational and research Institute.
- Participated in FDP on “Deep into python”, 19-02-22 and 26-02-2022, Don Bosco with ACM Chapter.
- Participated in FDP on “Emerging Trends in Cyber Security”, 14-2-2022 to 21-2-2022, Kings College of Engineering, Chennai.
- Participated in FDP on “Emerging Trends in Embedded systems and IoT”, 01-02-2022 to 07-02-2022, Nehru college of Engineering, Thrissur.
- Participated in FDP on “Recent Trends and challenges in AI,IoT and Block chain”, 09-2-2022-18-02-2022, Eswari Engineering college.
- Participated in FDP on “Active and Collaborative Learning”, 03.01.2022 to 07.01.2022, NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH.
- Participated in FDP on “Use of ICT in Research and Writing”, 03-01-2022 to 08-01-2022, E&ICT Academy IIT Guwahati.
- Participated in FDP on “Learning Management system”, 6-12-21 to 10-12-21, Internal Quality Assurance Cell (IQAC), DR.MGR Educational and research Institute.

- Participated in FDP on “Stepstones to prepare successful research proposal and publishing research articles in high impact journals”, 14-12-21 to 18-12-21, Department of IT, DR.MGR Educational and research Institute.
- Participated in FDP on “AICTE Incorporating Universal Human Values in Education”, 20-12-21 to 24-12-21, Conducted by AICTE -Initiative.
- Participated in FDP on “International symposium on Recent trends in computing technology”, 16-12-2021, Department of CSE, DR.MGR Educational and research Institute.
- Participated in FDP on “Trending Technologies in computer science”, 18-10-21 to 22-10-21, Department of CSE, DR.M.G.R Educational and research Institute.
- Participated in the power seminar on Demystifying Blockchain organized by St.Xaviers Catholic college of Engineering on 18-3-2021
- Participated in National workshop on “Network Security and Challenges” (17.09.2015 and 18.09.2015) at Anna University, MIT Campus, Chennai.
- Participated in National workshop on “Cloud Computing set up and solutions” (28.02.2012) at Computer society of India, Chennai
- Participated in Seminar on “Quality teaching skills” (26.09.2010) in St. Xavier’s college by Anna University, Chunkankadai.