

1. **NAME AND ACADEMIC RANK:** Mrs. S. Geetha, Ph.D., Professor

2. **EDUCATION:**

PhD	Computer Science & Engg. Jawaharlal Nehru Technological University, Hyderabad, 2018, India
ME	Computer Science & Engg. Anna University, Chennai, India 2006
BE	Computer Science & Engg. Bharathidasan University, Trichi, India 1997



3. **ACADEMIC EXPERIENCE:**

2017 – Present	Professor & Head, Department of Computer Science & Engineering, Dr. M.G.R. Education and Research Institute, Chennai, full time
2007 – 2017	Assistant Professor, Computer Science & Engineering Department, Dr. M.G.R. Education and Research Institute, Chennai, full time
2006 – 2007	Assistant Professor, Computer Science and Engineering Department, Sastra University, Chennai, full time
2001 – 2006	Lecturer, Computer Science & Engineering Department, Dr. M.G.R. Education and Research Institute, Chennai, full time
1999 – 2001	Lecturer, Computer Science & Engineering Department, St.Peter's College, Chennai, full time
1998 – 1999	Trainer, Aptech Computer Education, Chennai

4. **NON-ACADEMIC EXPERIENCE:**

Not Applicable

5. **CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:**

- Python for beginner's certification by Sololearn, April 2020.
- Clustering and Classification with Machine Learning in Python certification by Sololearn, April 2020.
- Java Tutorials Certification by Sololearn, April 2020.
- Python for Absolute beginners' certification by Udemy, April 2020.
- Clustering and classification with Machine Learning in Python by Udemy, April 2020.
- Absolute Guide: Linux Tutorial for Beginners by BitDegree, May 2020.

6. **CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

- Institution of Engineers (India), (IEI), Member - **M-159827-3**
- Association for Computing Machinery (ACM), Member - 8108278
- International Association of Engineers (IAENG), Member - 174353
- The Society of Digital Information and Wireless Communications (SDIWC) – Member - **16379**
- The Institution of Engineering & Technology (IET)- Member **1100130045**

7. HONORS AND AWARDS:

- The Institution of Green Engineers (IGEN) AMBASADOR Green day- January 2023.
- Institution of Engineers (India) (IEI) MGR Performance award by IEI MGR student chapter for AY 2022-23.
- Distinguished Technology Author on April 23, 2023 by National Trailblazers Triumph award.
- Sir.M.Visvesvaraya Achievement award 2021, October 23, 2021 from Institution of Engineers (India) IEI Thiruvallur Local Center.
- Academic Professional Icon Award on October, 2019 from IEI Thiruvallur Local Center .
- Best Women engineer Award By Institution of Engineers (India) IEI – March 2019.

8. SERVICE ACTIVITIES:

- Various Academic and Administrative Committees at DrMGRERI
- Administrator of Grant in Aid received from ATAL ONLINE FDP – Dec 2020, App. No. 1582526844/AICTE/ATAL-HQ/20220-2`/1303

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

1. E. Archana , **S. Geetha** and G. Victo Sudha George, integrating dual fundus image deep feature pooling based on cup and disc segmentation for efficient glaucoma detection framework indulging heuristic concept, Biomedical Engineering: Applications, Basis and Communications, Vol. 36, No. 5, 21 pages, Aug 2024 , DOI: 10.4015/S1016237224500303
2. K.R. Rohini, P.S.Rajakumar, S. Geetha, Smart Patient Consent Management Model for Health Information Exchange Based on Blockchain Technology, Journal of Computer Science 20(7):730-741, DOI: 10.3844/jcssp.2024.730.741, July 2024
3. R Rahul, **S. Geetha**, Soniya Priyatharsini, K. Mehata, Ts. Sundaresan Perumal, N Ethiraj and S. Sendilvelan, "Cybersecurity Issues and Challenges in Quantum Computing", Topics in Artificial Intelligence Applied to Industry 4.0, Wiley, ISBN: 978-1-394-21613-0, 2024
4. Tharun Kumar, Manickam Chandran, G.Soniya Priyatharsini, **S.Geetha**, J.Jayaprakas, "Breast cancer detection using machine learning classifier," Cryobiology, Volume 114, March 2024, 104820, <https://doi.org/10.1016/j.cryobiol.2023.104820>, ELSEVIER
5. **S. Geetha**, G. Soniya Priyatharsini, N. Ethiraj and G. Victo Sudha George, "Avant-garde techniques in machine for detecting financial fraud in healthcare," Deep Learning in Personalized Healthcare and Decision Support, Academic Press Elsevier, ISBN: 978-0-443-19413-9, 2023
6. K. Sujatha, N. P. G. Bhavani, N. Ethiraj, S. Bhuvaneshwari, T. Sivabalan, **Geetha Soman**, N. Kanya & Prameeladvi Chillakuru, "Deep Learning Neural Networks for Forecasting the Abrasive Wear in Machining Tools for Cryogenic Treatment by Process Parameter Optimization," Conference paper, International Conference on Information and Communication Technology for Competitive Strategies, 2023.
7. E. Archana, **Dr.S.Geetha**, Dr.G.Victo Sudha George, "Short Analysis of Machine Learning and Deep Learning Techniques used for Glaucoma Detection," Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023, 2023.
8. Chris Chettisery, Dr. P.S. Rajakumar and **Dr. S. Geetha**, "Automated Coffee Plantation Monitoring And Disease Recovery Using IoT And Machine Learning," Journal of Data Acquisition and Processing, Vol. 38 (1), 2023.

9. D. Kannadasan, **Dr. S. Geetha**, Dr. S. Mohandoss, Dr. K.M. Mehata, "Intrusion Detection Using Convolutional Neural Network For Internet Of Vehicles," International Research Journal of Modernization in Engineering Technology and Science, Volume: 05/Issue: 01/January-2023.
10. Surya B, Dr. Kumanan, **Dr. Geetha**, Dr. Mehata K M, "Tool For Hacking Phases," International Research Journal of Modernization in Engineering Technology and Science, Volume: 05/Issue: 01/January-2023.
11. **Dr. S. Geetha**, Mrs. U. Indumathi, Dr. K.M. Mehata, Aravind Chakkaravarthy S, "Secure Data Sharing In Public," International Research Journal of Modernization in Engineering Technology and Science, Volume: 05/Issue: 01/January-2023.
12. Dharani, L., George, G.V.S., **Geetha, S.**, "An Exploration of Learning About Cardiovascular Disease Prediction using Deep Learning," Proceedings - 2022 4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2022, 2022.
13. Arun.M, Dr.T.V.Ananthan, Dr.S.P.Rajagopalan, Dr.T.Velmurugan, **Dr.S.Geetha**, "Survey on Unassailable Embedding of Testimony over Cyberspace Using Image Steganography," International Journal of Special Education, Vol. 37 No. 3, 2022.
14. Rohini, K.R., Rajakumar, P.S., **Geetha, S.**, "Survival of Blockchain Process and Block Chain Technology," Proceedings - IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2022, 2022.
15. Sendilvelan Subramanian, Gomathi Kannayiram, Ann Roseela Jayaprakash, T. Nalini, L.R. Sassykova, **S. Geetha**, Bhaskar Kathirvelu, N. Kanimozhi, "Multilayer Perceptron Mode and ANN to Assess the Economic Impact and Human Health Due to the Alcoholism and its Effect in Rural Areas," October 2021.
16. Dr. N. Kanya, Dr. Pacha Shobha Rani, **Dr. S. Geetha**, Dr. M. Rajkumar, G. Sandhiya, "An Efficient Damage Relief System based on Image Processing and Deep Learning Techniques," RevistaGeintec-GestaoInovacao E Tecnologias, Vol. 11 No. 2, 2021.

10. **PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:**

Panelist, How Artificial intelligence impacts Today's Society, www.LMGLOBAL.ORG, 7-9-2024

"Latest Trends and Techniques in Software Engineering in industry Perspective", 7-day online FDP Department of Computer Science, Christ University, Bangalore. January 20-27, 2024.

Session Chair for National Conference on Technology for society (NCTS'23) SRMIST – Vadapalani, October 18-19, 2023.

"Emerging research Trends in Data science and Block chain", 4-day seminar Department of CSE, DR.MGR Educational and Research Institute. May 8-12, 2023.

Reviewed Manuscripts for IEEE International Conference on Networking and Communications 2023 (ICNWC 2023) organized by SRM Institute of Science & Technology, Kattankulathur Kattankulathur, April 5-6, 2023.

"Computer Vision and Natural Language Processing", Seminar conducted by Department of IT, Easwari Engineering College, August 8-18, 2022.

"Deep Learning And Its Applications", Seminar conducted by the Department of IT, Sairam Engineering College. July 11-15, 2022.

"The Role Of Artificial Intelligence in Renewable Energy Applications", Seminar conducted by Department of EEE, KPR Institute of Engineering College. August 1-5, 2022.

Session Chair for 3rd International Conference on Engineering Digital Green Era - EDGE 2022 organized by Rajalakshmi Engineering College, Chennai, April 29, 2022.

"Patents on Innovative Teaching and Research Methodology", Seminar conducted by Department of CSE, Bishop Heber College, March 2-6, 2022.

Session Chair for International Conference On Innovations In Electronics and Communication Systems ICIECS2021, organized by RMK College of Engg. &Technology, May 6, 2021.

Patent Applied

1. Smart Helmet for a safe ride Application No: 5708/ CHE/ 2015
2. DEVELOPMENT OF RESOURCE ALLOTMENT ON GREEN CLOUD COMPUTING FOR IoT COMMUNICATIONS – 201941046251 -2019
3. A Parallel Series Electric Hybrid Vehicle based on Geometry Formulation- 2020102967-2020
4. AI ENHANCED ARDUINO BASED CUSTOMIZED SMART GLASSES FOR BLIND PEOPLE, Application No.202441057720 A, 2024