

Name : Mrs. M. Sowndharya
Designation : Assistant Professor
Department : Computer Science with Cognitive Systems
Qualification : M.Sc., M.Phil., (Ph. D.)
Experience : -
Area of Specialization(s) : Cloud computing, Internet of Things
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Chikkanna Government Arts	Pursuing
M.Phil.	Computer Science	Chikkanna Government Arts	2021
M.Sc.	Computer Science	Dr. N.G.P. Arts and Science College	2019
B.Sc.	Computer Science	Dr. N.G.P. Arts and Science College	2017

Additional Qualifications

Dip. / Voc. / Cert.	Area of Specialization	Institution/ University / Agency Name	Year
Online Certification	Python Foundation for Beginners	Great Learning	2023
Online Certification	Cloud Foundations	Great Learning	2023
Online Certification	JavaScript projects	Great Learning	2023
Online Certification	Leadership and management	Great Learning	2023
Online Certification	How to improve Public Speaking?	Great Learning	2023
Online Certification	Android App with Python	Great Learning	2023
Online Certification	Cyber Security Threat Intelligence Researcher	Udemy	2017
Online Certification	Learn to code with HTML Beginners to expert	Udemy	2017
Online Certification	Practice JAVA by building Projects Online	Udemy	2017
Certification	Responsive Web Design	Yellow Tree	2016
Certification	Typewriting English Junior Grade	Technical Education	2016

Research Publications (Indexed)

International

- **M. Sowndharya**, Dr. S. Duraisamy, and M. Pavithra, Predicting Groundwater Level using Temporal Attention Enhanced Graph Neural, Tuijin Jishu Journal of Propulsion Technology, Volume: 44, Issue: 03, December 2023, ISSN (Online): 1001-4055. (**Scopus Indexed**)
- **M. Sowndharya**, Dr. S. Duraisamy, and M. Pavithra, Optimizing Cloud Based Data Storage with Polynomial Hashing and Buffering Techniques, Journal of Research Administration, Volume: 05, Issue: 02, November 2023, ISSN(Online): 1539-1590. (**Scopus Indexed**)
- **M. Sowndharya**, Dr. S. Duraisamy and T. Latha Maheswari, Studies on Regional Sources of Groundwater Dependency in Tamil Nadu State, India, Journal of Xi'an University of Architecture & Technology, Volume: XV, Issue: 03, March 2023, ISSN(Online): 1006-7930 (**Scopus Indexed**)

Other Publications: International / National Journals

- **M. Sowndharya**, Dr. S. Duraisamy, Real time groundwater monitoring using IoT sensors for sustainable resource management, accepted in the 8th International Conference on Information and Communication Technology for Competitive Strategies organized by Global Knowledge Research Foundation & G R Scholastic LLP (Springer), Jaipur, December 2023. (**Scopus Indexed**)
- **M. Sowndharya**, Dr. S. Duraisamy and T. Latha Maheswari, Analysis of Groundwater Monitoring System using Internet of Things with Cloud, Published in NCRPNCP Proceedings, March 2023. (**Conference Proceedings**)
- **M. Sowndharya**, T. Latha Maheswari and Dr. S. Duraisamy, Systematic Approach To Provide Comprehensive Solution For Groundwater Management In India, International Journal of Creative Research Thoughts (IJCRT), Volume: 10, Issue: 10, October 2022, ISSN(Online): 2320-2882 (**Google Scholar**)
- **M. Sowndharya**, T. Latha Maheswari and Dr. S. Duraisamy, Survey on Groundwater Resource Forecasting Technique for Better Cultivation, Journal of Emerging Technologies

and Innovative Research (JETIR), Volume: 09, Issue: 05, May 2022, ISSN(Online): 2349-5162 (**Google Scholar**)

- **M. Sowndharya**, Dr. S. Duraisamy, Cryptography Based Secure Data Sharing in Multi cloud Environment, International Research Journal of Modernization in Engineering Technology and Science, Volume: 02, Issue: 09, September 2020, ISSN(Online): 2582-5208
- **M. Sowndharya**, Dr. S. Duraisamy, Enhanced Secure Data Sharing in Multi Clouds Environment using Shamir Approach, International Research Journal of Engineering and Technology (IRJET), Volume: 07, Issue: 08, August 2020, ISSN(Online): 2395 0056.

Presentations in Conferences

- **Real time groundwater monitoring using IoT sensors for sustainable resource management** in the 8th International Conference on Information and Communication Technology for Competitive Strategies organized by Global Knowledge Research Foundation & G R Scholastic LLP (Springer), Jaipur, December 2023.
- **Analysis of Groundwater Monitoring System using Internet of Things with Cloud**, in National Conference on Research Perspectives in New-Gen Computational Paradigms(NCRPNCP) Proceedings organized by St.Joseph's College for Women, Tiruppur, March 2023.
- **Pill Camera** in National Level Symposium, Sri Krishna Aditya College of Arts and Science, Coimbatore, January 2020.

Participation in Conferences, Seminars & Workshops

- **Five days Blockchain Technology Workshop** organized National Institute of Technology, Puducherry, September 2023.
- **Advanced trends in Computer Science and Information Technology** seminar organized AVP College of Arts and Science, Tiruppur, February 2023.
- **The Future AI & ML tools and its Application for Rural Health care** seminar organized Dr N.G.P. Arts and Science College, Coimbatore, February 2020.
- **Introduction to Machine Learning** seminar organized Annapoorana Engineering College, Salem, July 2020.

- **NDLI User Awareness Webinar** organized National Digital Library of India, 07th August, 2020.
- **Water Stress Scarcity** seminar organized Chikkanna Govt Arts College, Tiruppur, December 2019.
- **Research Trends in Computing Technologies** International conference organized Dr N.G.P. Arts and Science College, Coimbatore, August 2018.
- **Video Text Detection and Recognition** workshop organized KG College of Arts and Science, January 2018.
- **Photoshop creative effects program** workshop organized Dr N.G.P. Arts and Science College, Coimbatore, 2014.

Participation in Webinars and Faculty Development Programme

- **Inculcating Universal Human Values in Technical Education** FDP organized AICTE, December 2022.
- **Python Webinar** organized by WONKOVATION TECHNOLOGY, July 2021.
- **Secrets: Finding, Writing and Winning a Research Grant** FDP organized Pollachi College of Arts and Science, Pollachi, March 2020.
- **Pedagogy** FDP organized Mary Matha College of Arts and Science, Theni, June 2020.
- **Communication** FDP organized Chikkanna Govt Arts College, Tiruppur, June 2020.
- **Moodle: A Quick Tour** FDP organized Chikkanna Government Arts College, Tiruppur, June 2020.
- **Digital transformation and opportunities in Emerging Technologies** webinar organized Dr N.G.P. Arts and Science College, Coimbatore, August 2020.

Other Certifications

- **Online SET/NET Paper 1 Quiz** Organized by Terf's Academy Arts and Science College, Tiruppur, June 2020.
- **E-Quiz History for Competitive Examinations** organized Nadar Saraswathi College of Arts and Science, Theni, June 2020.

- **E-Quiz to test Technical Skills in Computer Programming”** organized LRG Government Arts College, Tiruppur, February 2020.
- **State Level Intercollegiate Meet TECHTRY 2K18** organized Sri Ramakrishna College of Arts and Science, Coimbatore, September 2018.
- Appreciation for conduct **All India Ophthalmological Society (AIOS)** Codissia, Coimbatore, February 2018.
