



Dr. S. SUGANYA
Teaching Assistant

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D	Alagappa University - Karaikudi	2024	Computer Science	Highly Commended
M. Sc	Alagappa University - Karaikudi	2016	Computer Science	First Class (61%)
B. Ed	Sri Raaja Raajan College of Education. Karaikudi-TNTE	2012	Computer Science	First Class (74%)
B.C.A	ShrimathiIndiraGandhiCollege,Trichy- AffiliatedtoBharathidasanUniversity	2011	Computer Application	First Class (72%)

Teaching Experience

Total Teaching Experience : Till (Years: 2024-2025)

Position	Institution	Duration
Teaching Assistant	Department of Computer Science, Alagappa University, Karaikudi	16 July 2024 to till date

Research Experience

Total Research Experience : 5 Years

Position	Institution / University	Duration
Research Scholar	Alagappa University	From 2018/19 - 2024 till date

Areas of Research

- Air Pollution
- Big Data Analytics
- Predict Analytics

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	PDF	-	-
	Ph.D	-	-
	M.Phil	-	-
Project	PG	-	1(til now)
	UG/ Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
7	5	-	-	-

Funded Research Projects

Ongoing Projects:

S.No.	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1	RUSA	2018 - 2020		Air Pollution Prediction using Air Quality Data from Meteorology Dept	20,000

Number of Seminars /Conferences /Workshops/ Events organized: NIL

Events Participated

Number of Conferences/Seminars/Workshops: 30

List of Research Articles / Recent Publications

S. No.	Authors/Title of the paper/Journal	Impact Factor
1	S. Suganya , Dr. T .Meyyappan “ Forecasting and prediction of air pollution levels to protect Human Beings from health Hazards ” , International Journal of Scientific & Technology Research(IJSTR), ISSN: 2277-8616, volume 9, issue 01, 15 january 2020 , IF:3.023, Pag.No:2541-2545, Scopus Indexed	3.023
2	S. Suganya , Dr. T .Meyyappan, Dr. S. Santhosh Kumar “ Performance Analysis of K-Means and K- Mediods Algorithms in Air Pollution Prediction ” , International	5.92

	Journal of Recent Technology and Engineering (IJRTE),ISSN: 2277-3878,Volume-8, Issue-5, 30 January 2020, IF:5.92, Pag.No:3573-3577, Scopus Indexed	
3	S. Suganya , Dr. T .Meyyappan “Air Pollution Prediction on Hybrid of Agglomerative and K-Means Clustering Algorithms” , JOURNAL OF CURRENT RESEARCH IN ENGINEERING AND SCIENCE, Volume-5, issue 2, ISSN:2581-611X , https://www.psvpec.in/jcres/2022_2.html http://www.psvpec.in/jcres/jcres.html , Pag.No:1-8, Google scholar	
4	S. Suganya , Dr. T .Meyyappan “Big Data and Seven (7) V’s Characteristics in Industry”, International Journal of Scientific Research in Science and Technology, Volume 9, Issue 6, Page Number: 630-636, Print ISSN: 2395-6011 Online ISSN: 2395-602X , DOI : 10.32628/IJSRST2296109 ,Journal No: 64011- Pag.No:630-636, UGC	8.014
5	S. Suganya , Dr. T .Meyyappan “Prediction of the level of Using Air Pollution Adaptive Neuro-Fuzzy Inference System” , Multimedia tools and Application , DOI : 10.1007/s11042-023-15046-0, Published March 18, 2023, Electronic ISSN :1573-7721 , Print ISSN :1380-7501 , Google scholar, Springer - SCI	
6	S. Suganya , Dr. T .Meyyappan “Air Pollution Detection for Monitoring Health Effects of Road Traffic Pollution Using Hybrid Deep Learning Model” , (RTCS) International Conference on Recent Trends in Computer Science - 2023, Department of computer science, Alagappa University, Karaikudi. 30 th , 31 st March, 2023. Journal	
7	S. Suganya , Dr. T .Meyyappan “Adaptive deep learning model for Air pollution analysis using Meteorological big data” , Electronic ISBN:978-1-6654-2013-6 , Print on Demand (PoD) ISBN:978-1-6654-2014-3.- IEEE	