

**Name** Dr.R.Suganthi  
**Designation** Professor  
**Department** Computer Science with Data Analytics  
**College Name** Dr.N.G.P. Arts and Science College, Coimbatore  
**Qualification** M.C.A., M. Phil., Ph.D.  
**Experience** Teaching: 18.2 Years  
**Area of Specialization(s):** Data Analytics  
**Email (Official ID):** [suganthir2022cbe@gmail.com](mailto:suganthir2022cbe@gmail.com)  
[https://scholar.google.com/citations?hl=en&user=C3XsarcAAAAJ&view\\_op=](https://scholar.google.com/citations?hl=en&user=C3XsarcAAAAJ&view_op=)  
**Google Scholar** <https://www.linkedin.com/in/suganthi-dinesh-3052234a>  
**Linkedin** 3052234a



### Academic Qualification

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Periyar University	2019
M.Phil.	Computer Science	Periyar University	2007
MCA	Computer Applications	Alagappa University	2005
BCA	Computer Applications	Sri Sarada Niketan College for Women	2002

### Research Publications (Indexed)

#### International

R.Suganthi, Dr.P.Kamalakkannan, A Study on Multi database Mining using Local pattern Analysis, International Journal of Advanced Computing and Communication Systems (IJACCS) vol.1 Issue.1 March 2014. ISSN: 2347 – 9299 / 2347 – 9280, (Indexed in UGC)

R.Suganthi,Dr.P.Kamalakkannan,Synthesizing Model for Clustering Frequent Data Items in Multi-Database International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-4 Issue-9, February 2015 , ( Indexed in UGC)

R.Suganthi,Dr.P.Kamalakkannan, Exceptional Patterns with Clustering Items in Multiple Databases, Indian Journal of Science and Technology, Vol 8(31), 76281, November 2015 , (**Indexed in SCOPUS**)

Suganthi, Dr.P.Kamalakkannan, A Method For Clustering Items In Multi Data Base Systems, Australian Journal of Basic and Applied Sciences, 9(33) October 2015, Pages: 115-121 , (Indexed in SCOPUS)

Suganthi, Dr.P.Kamalakkannan, An Approach to Analyze Stock Market Using Clustering Technique , International Journal of Science and Research (IJSR),ISSN (Online): 2319-7064,Impact Factor (2012): 3.358

R.Suganthi, Dr.P.Kamalakkannan, Exceptional patterns in Multi database mining, Indian Journal of Innovations and Developments Vol 4 (4), August, 2015

R.Suganthi, Dr.P.Kamalakkannan, Applications of synthesized patterns in multi database mining (MDM), Indian Journal of Automation and Artificial Intelligence, Vol 4(1),January 2017,ISSN (online): 2320-4001, ISSN (Print) : 2320-3994

Suganthi. R, Nivetha. S, "Women's Safety System", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 5 Issue 2, pp. 34-36, March-April 2019. Available at doi <https://doi.org/10.32628/CSEIT1951133> ( Indexed in UGC care list)

Dr. R.Suganthi, R, Kabilesh N, "A Study on Augmented Reality", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 5 Issue 2, pp. 40-43, March-April 2019.Journal URL : <https://ijsrcseit.com/CSEIT119524>, (Indexed in UGC care list )

Dr. R.Suganthi, "Deep Learning vs. Feature Extraction objective approach for sentiment classification", IEEE explore ,Pno 1173-1177, Sep -2023 (**Indexed in Scopus**)

Dr. R.Suganthi, "Diabetes Diagnosis and Prediction: An In-Depth Analysis", Tuijin Jishu/Journal of Propulsion Technology ISSN: 1001-4055 Vol. 44 No. 6 (2023) (**Indexed in Scopus**)

Dr. R.Suganthi, " Utilizing Web Scraping for Big Data: An Exploratory Analysis ",Tuijin Jishu/Journal of Propulsion Technology ISSN: 1001-4055 Vol. 44 No. 6 (2023) (**Indexed in Scopus**)

Dr.R. Suganthi," Tobacco Prediction-India Youth Tobacco Survey 2022, International Journal for

Dr.R.Suganthi, Dr.S.Thilagavathi,” Enhancing Flexibility and Strength: The Power of Yoga”, National Seminar on ``Integration of Traditional Indian Knowledge System into Modern Higher Education: NEP Perspective, July 4th and 5th, 2024.

Dr.R.Suganthi,K.R.Dhanya “Revolutionizing Healthcare: Cutting-Edge Data Analytics Solutions” Indian Journal of Natural Sciences, **Web of Science**, April -2025

Dr.R.Suganthi,” Post-COVID Vaccination Impacts on Youth Heart Health through Data-Driven Risk Assessment and Policy Strategies - IEEE Xplore, November-2025(Going to publish)(**Indexed in Scopus**)

### **Book & Book chapter Publications**

Big Data Analytics For Business Intelligence - Descriptive Case Studies On Smart Tourism In India, Shanlax Publications, Madurai, E-ISBN:978-81-950884-0-9

Recent trends in Digital Technology, Akiviki Publications, Dr.R. Suganthi & Ms.M.Gayathri, AkiNiki Publications New Rohini, Delhi-110085, India, ISBN-0978-93-91538-91-0

Recent development in Cyber Security-Cyber security in Health care, IOT Academy publishers, ISBN-9789393622976, Dec-2023

Evolution of NLP In Smart Healthcare: A Comprehensive Overview and NLP Pipeline Analysis Natural Language Processing, IIP Publishers, April-2024

Leveraging data science for enhanced cyber security, techniques, applications and threat mitigation strategies, ISBN-978-93-48990-24-2, Innovation Online Training Academy (IOTA) Publishers,2024

Dr.R.Suganthi, “Using AI to improve crop tracking ,soil investigation, and nutrient management in precision agriculture, igi-global scientific publications,(**Indexed in Scopus**)-Aug 2025

### **Presentations in Conference**

Analyzing Stock market data using Clustering Algorithm, International Association of Computer Science and Information Technology (IACSIT) & Nanyang University, Singapore, Nov 12-15, 2014

A Survey on *OUTLIER* Exposure in Data mining, M.Kumarasamy College of Engineering, Karur, 2013

HDAR (Hybrid Dimensionality Association Rule) with Multiple Data Sources Exceptional Patterns in **MDM**, Annai Women's College, Karur, 2020

Effective shortest paths in Road Network Information using MPP Progressive Model, Sri Shakthi Institute of Engineering and Technology, Coimbatore, (IEEE Conference) 2021

AI in Medicine - AI for Sustainable Development: Challenges and Opportunities, VET Institute of Arts and Science College, Erode

Intelligent Solution for Road Safety, AI for Sustainable Development: Challenges and Opportunities, VET Institute of Arts and Science College, Erode

Presented paper in ICSSR Sponsored National seminar on "Rural Women Empowerment Through Skill Development" on 2.8.2023, Dr.NGM College, Pollachi

Presented paper in "International Conference on "Data Economy and vision india@2047" on 28.2.2024 & 29.2.2024, The American College, Madurai, Tamilnadu

### **Course completion details**

Certificate course "Big Data Analytics Using Apache Spark" completed in Infosys springboard  
Certificate course – ComTIA Data+:Data Visualization Dashboards

### **Participation in Conference**

A Study on Multi database Mining using Local pattern Analysis, Sri Eshwar College of Engineering, Coimbatore, 2013

A Study on Multi database Mining using Local pattern Analysis, KLN College of Engineering, Madurai

### **Participation in Seminars**

Research challenges in Data mining and Data warehousing, PSNA College of Engineering and Technology, Dindigul, 2011

Research Made Easy, M.Kumarasamy College of Engineering, Karur,2012 Journal Thesis & Project Proposal Writing, K.S.R College of Engineering and Technology, Namakkal,2012

Cloud Computing Platform, National Institute of Technology (NIT), Trichy

My Paper in Top Journal, Kumaraswamy College of Engineering, Karur

Research in Computers, Why, What& How? Bharathiyar University, Coimbatore

WEKA, R and Rapid Miner - Data mining Tools, KLN College of Engineering, Madurai

Technical Document preparation using Latex, M. Kumarasamy College of Engineering, Karur

Psychosocial Dynamics in Class Rooms, Kumaraswamy College of Engineering, karur,2012

Writing Quality and Novel Research Paper, K.S. R College of Arts& Science (Autonomous), Namakkal

Strategic Resilience and Organization Agility, Valluvar College of Science and Management, karur

Audited Site Visit & Miyawaki Rapid Forest, Nature Science Foundation-Nehru Arts & Science College, Coimbatore.

Rrural women empowerment through skill development- Nallamuthu Gounder, Mahalingam college, Pollachi, Tamilnadu on 2 August 2023.

### **Participation in Workshop**

National workshop on “Roadmap of NAAC Assessment & Accreditation for Quality Assurance and sustenance Higher Educational Institutions” The Gandhigram Rural Institute, Dindugal

Preparing the Institution for Accreditation in the Post-Pandemic period, Mannar Thirumalai Naicker College (Autonomous), Madurai

International online workshop on Basic Statistical Analysis and its interpretations using SPSS conducted by Global Institute of Statistical Solutions

Two days National Workshop on Innovative Practices for Data Documentation of AQAR and SSR under Revised Assessment and Accreditation Framework organized by IQAC and , Rajapalayam Rajus' College, Rajapalayam, Tamilnadu

Two days Hands on workshop NVivo – Unravelling the power of Qualitative Data organized by Kumara guru College of Liberal Arts and Science, Coimbatore, Tamilnadu on 6.10.2023 & 7.10.2023

One day workshop on "Quantum Computing using QISKIT" on 29.01.2024 jointly organized by the Department of Information Technology, KPR Institute of Engineering and Technology, Coimbatore, Tamil Nadu, and KG IT Services, Bengaluru, Karnataka.

Attended NPTEL workshop on “ Career Development: Grow Yourself”, IIT Bombay, Jan 2025

### **Participation in Faculty Development Programme**

- Data mining and Data warehousing, Anna University, Chennai
- FDP on Publishing in Open Access Journals, Rajeev Gandhi Management of studies, Maharashtra
- Six days Virtual International FDP on “Prominent Challenges in Computer Vision: Data and Intelligence”, Navarasam Arts and Science College for Women, Erode
- Emotional Intelligence, ICT Academy at Dr.N.G.P Arts and Science College, Coimbatore,2023
- Attended ATAL 5 days FDP on “Exploring Advanced Data Science Tools Techniques and Trends at Anand Institute of Higher Technology from 9.12.24 to 14.12.2024

### **Journal Reviewer**

- Journal Reviewer in “REST Journal on Data Analytics and Artificial Intelligence”
- Journal Reviewer -International Journal for Science and Advance Research in Technology
- Editorial Member - International Journal of Computer Science and Mobile Computing

### **Conference / Seminar / Workshop Organized**

**Convener**, NAAC Sponsored National Conference on "Strengthening IQAC for quality Sustainability", Sri Sarada Niketan College for Women, Karur, 8.1.21 &9.1.21

**Coordinator**, Two days online FDP on quality metrics framework in IQAC & Documentation of IQAC, Sri Sarada Niketan College for Women, Karur, 6.10.2020

**Coordinator**, Current scenario of software Engineering, Sri SaradaNiketan College for Women, Karur,29.8.2020

**Coordinator**, 'Entrepreneurship And opportunities for women", Sri Sarada Niketan College for Women, Karur,3.8.2020

**Convener**, NAAC Seminar on “NAAC Preparation & Clarifications, 14.5.22

**Coordinator for student Seminar, Workshop, FDP etc.**, Dr.NGP Arts and Science College, Cbe

#### **Invited Speaker / Session Chair- Conference / Seminar / Workshop**

- Invited Speaker, Asia Book of Records- World Record Program, A Successful Women Leaders, Sri Sarada Niketan College for Women, Karur, 10.8.2022
- Invited Speaker on, TIP organization, INDIA-Azadi ka Amrit Mahotsav, The Sense of Responsibility among Citizens,5.12.2022
- Invited Speaker on, Demystifying AI: Exploring the Power & Potential of Artificial Intelligence” Sri GVG Visalakshi College for Women, Udumalaipettai, Tamil Nadu,09.09.2023
- Invited Speaker, “Usage of Data Analytics tools-KNIME Basics”- Arignar Anna Government Arts College, Namakkal.
- Invited Speaker on “Unlocking insights: Navigating the Landscape of Data Analytics Tools in the Modern Era” Pavai Arts and Science College for Women” on 28.2.2024
- Guest Speaker on “AI revolution ahead” Pavai Arts and Science College for Women” on 28.2.2024
- International Conference - Session chair on “Embrace the Future with AI” on 18.2.2025

## **Awards / Honors**

- Life time achievement award - Tamilnadu Consumer Club, Karur, TN,2021
- Tamil Elakkiya Semmal award - By honorable Transport Minister, TN,2022
- Best Young researcher award-Roots International, Coimbatore, TN-2024
- Award of Excellence- Nirmala College for women, Coimbatore, TN-2025

## **Patents & Design**

- Analysis and Detection of depression severity scores based on EEG Signal using Machine Learning Approach, Published on 13.01.2023
- Improving Employer Branding Strategies using Machine Learning, Published on 21.03.2024
- Hybrid approaches for efficient routing and energy usage in IOT devices,23.10.2024
- AI based modern class room learning systems, Aug-25

## **Patent Design**

- IOT based Bio leakage detection device, 10.11.2023
- Patent No - 52357 (Improving employer branding strategies using machine learning) (21.3.24)
- Patent No - 144481 (Hybrid Approaches For Efficient Routing And Energy Usage In IOT Devices (23-10-24)

## **Consultancy Project**

- Accord Home Textiles-Exporters of Home Furnishing Products, Karur - Website development worth 5000/-
- Tex craft Fashion – “Designing and implementing advanced analytics solutions” Rs-6000/-
- Surya Event Management – “Operational Supporting system” Rs-5000/-