

Basic Details:

- **Name:** Mr.D.B.SHANMUGAM
- **Designation:** Assistant Professor
- **Phone Number:** --9894353707
- **Email ID:** shanmugd@srmist.edu.in
- **Area or Subject:** Computer Applications
- **Affiliation:** (Department of Computer Applications, Kattankulathur Campus, SRM Institute of Science and Technology)

Educational Details:

- **Degree –** MCA.,M.Phil,
- **Area or Subject –** Computer Applications
- **University –** Madurai Kamaraj University, Bharathiar University, Periyar University
- **Awarded Year –** 1997, 2000, 2006.

Other Details:

Courses: (Data Mining & Data Warehousing, Object Oriented Analysis & Design, Big Data Analytics, Mobile Computing, Cloud computing.)

Research Interests: (Data Mining & Data Warehousing, Big Data Analytics, Cloud computing, Machine Learning)

Selected Publications:

- P.M.Kavitha, D.B.Shanmugam, T. Akash, T. KaranRaj, A. Girish Gowtham, "**PAYMENT TRANSACTION USING FACE-RECOGNITION**", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 3, Page No pp.266-271, August 2022, Available at : <http://www.ijrar.org/IJRAR22C1779.pdf>

- **"APPLICATION OF COLLATZ CONJECTURE IN WATERMARKING"**, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.10, Issue 1, Page No pp.297-302, March 2023.
- **"BITCOIN PRICE PREDICTION USING MACHINE LEARNING ALGORITHM "**, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.10, Issue 1, Page No pp.303-306, March 2023.
- **"TIME SERIES PREDICTION GROUNDED ON NEURAL PROPHET- TEMPERATURE FORECASTING"** Engineering and Scientific International Journal (ESIJ) ISSN 2394-7187(Online) Volume 10, Issue 1,PP 14-17, January – March 2023 ISSN 2394 - 7179 (Print).
- **"Accident Prevention and Driver Safety Using IOT and Machine Learning"** Journal of the Balkan Tribological Association, Volume 29,Issue 1, Page 44-54, June-2023, ISSN 1310-4772.
- **"EXPERIMENTAL STUDY ON FOOTSTEP POWER GENERATION SYSTEM USING PIEZOELECTRIC SENSOR"** Published ISSN: 2214-7853 Materials Today: Proceedings, Elsevier Publication, Sep-20-2020.
- **"AUTOMATE INFRASTRUCTURE DELIVERY THROUGH DEVOPS"**, Journal of University of Shanghai for Science & Technology, Volume 21-Issue 10-October'2020-ISSN:1007-6735.
- **"SMART PILL BOX USING IOT AND CLOUD"** BIOSCIENCE BIOTECHNOLOGY RESEARCH COMMUNICATIONS, Advancement of Electrical, Information and Communication Technologies for Life Application Special Issue Vol 13 No (4) July -2020 Pp-139-145.
- **"AIR QUALITY ANALYSIS BEFORE AND DURING COVID-19 LOCKDOWN"** International Journal of Multidisciplinary Educational Research Volume: 9, Issue: 12, December 2020 with ISSN: 2277-7881,Pg.No 49-57.
- Dr.J.Dhilipan, Dr.N.Vijayalakshmi, Mr.D.B.Shanmugam," **A Secure wild Animals Alert System for Preventing the Farming Land using IOT**", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-5, January 2020
- Mr.D.B.Shanmugam, Dr.J.Dhilipan, A.Vignesh, "**CHALLENGES IN DATA QUALITY AND COMPLEXITY OF MANAGING DATA QUALITY ASSESSMENT IN BIG DATA "**", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-5, January 2020
- **Computer Applications in Business & IT, Charulatha Publications , ISBN-13:978-93-89051-27-8, 2019.**
- Journal of Computational and Theoretical Nanoscience "**Data Stream Clustering Challenges and Management System"** American Scientific Publishers , ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online) Vol. 16, 2393–2397, 2019.
- International Research Journal of Engineering and Technology(IRJET) e-ISSN:2395-0056, p-ISSN:2395-0072 "**Implementation of Automated organic Fertigation System by Measuring the Plant Parameters"** published in Volume-6, Issue-2, Feb-2019.
- International Journal For Research & Development In Technology (IJRDT) ISSN NO: - 2349-3585 "**A Map Reduce Solution for Prototype Reduction in Big Data Classification"** published in Volume-11, Issue-2, Feb-2019.

Papers Presented:

- **"Fake News Analysis Using Machine Learning"** in 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges on May 02, 2020 , organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh.

- **“Challenges of Slum with Respect to Coronavirus”** International e-conference on “Strategies & Challenges in Higher Education during COVID19 Lockdown period in India with reference to World” Organized By Government of Maharashtra, Government Vidarbha Institute of Science and Humanities, Amravati, Maharashtra - 444 604 India 15th - 17th May, 2020, SCHE-DC19-LPIW 2020, Vol. I. (ISBN: 978-93-5407-920-7).
- **“ Functional MRI using Apache Spark in Big Data Application ”** in Online International Conference on Advances in Computing, Communication and Control” (ICA3C-2020) on 16/06/2020, organised by School of Computer Science and Applications, IIMT University, Meerut, Uttar Pradesh.
- **“ Technical Opportunities and Challenges In Artificial Intelligence ”** in Online International Conference on Advances in Computing, Communication and Control” (ICA3C-2020) on 16/06/2020, organised by School of Computer Science and Applications, IIMT University, Meerut, Uttar Pradesh.
- **“Counterfeit News Analysis Utilizing Machine Learning”** International conference on Electronics Communication & Power Systems (ICECAPS), Organized by Department of ECE, C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY MELVISHARAM held on 20, June 2020.
- **“Registering Intelligence of Recommendation System”** International conference on Electronics Communication & Power Systems (ICECAPS), Organized by Department of ECE, C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY MELVISHARAM held on 20, June 2020.
- **"The Framework Of Statistical Learning Theory In Covid-19 Analysis"** International E-Conference on Recent Trends and Technologies in Soft Computing (ICRTSC'20) Organized By The Department of Computer Science and Applications, St.Peter’s Institute of Higher Education & Research, Avadi, Chennai-600 054,September 28 & 29’ 2020.
- 4th International Conference on Emerging Trends in Multidisciplinary Research (ICETMR-2019) **“Testing Uncertainty of Cyber Physical Systems in IOT Cloud Infrastructures Combining Model Driven Engineering and Elastic Execution”** Organized by Arunai International Research Foundation & Shanmuga Industries Arts & Science College, Tiruvannamalai held on 23 & 24 Feb -2019.
- 2nd International Conference on Technology and Advancement in Computing Applications(ICTACA-2019) **“ Challenges in Data Quality and Complexity of Managing Data Quality Assessment in Big Data”** Organized by C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY MELVISHARAM held on 8th March 2019.

Working Papers:

- **“HUMAN BEHAVIOURAL PATTERNS – PROCEDURES AND LIMITATIONS”.**

Work in Progress: Yet to Publish Book Chapter”A STUDY ON PROJECT BASED LEARNING METHOD “.

Academic Experience:

- SRM IST, Ramapuram Campus, Chennai July 2019 to Till Date
Assistant Professor (O.G), Dept. Computer Applications.
- Sri Balaji Chockalingam Engineering College, Arni. Aug-2010 to June 2019
Associate Professor, Head of the MCA Department.
- Kamaraj College of Engineering & Technology, Virudhunagar. Oct-2006 to May-2010
Lecturer, Msc Software Engineering.
- Dr.M.G.R.Chockalingam Arts College, Arni. July-2000 to Sep-2006

Head, Department of B.C.A.

Other Professional Experience:

- To Conduct One Day District Level **“Election Comprehensive Plan on –SVEEP-EVM/VVPT Students Awareness Program”**.
- Review for Asian Journal of Applied Research manuscript **“Comparative Analysis of Various Tools for Data Mining and Big Data Mining (AJAR-00034-2019-01)”** Certificate of Reviewing 2019 recognition by Editor-in-chief.
- International Technical Program Committee Member, Gautam Buddha University, India DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, USICT, GREATER NOIDA Organised First International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities (AIS2C2) 2021.
- National Level E-Poster Presentation on Research & Innovation in Engineering Application-2020 [NLPPIEA],**“PRICING DATA TAMPERING IN AUTOMATED FARE COLLECTION WITH NFC-EQUIPPED SMARTPHONE’S ”** Organised by Dr.B.C.Roy Polytechnic, R & D Cell Durgapur, West Bengal, India.

Workshops /Seminars/Conferences:

- PG & Research Department of Computer Science & Information Technology State Level Seminar on **“ Research Based Learning”** ,Arcot Sri Mahalakshmi Women's College, Villapakkam, 24th Sep-2019.
- International Seminar on **“ COMPUTING SCIENCES”** , Organized by Department of Computer Science & Computer Applications, Loyola College Vettavalam, 03rd September 2019.
- One Day National Level Workshop on **“NodeJS”** date 23.02.2019 - organized by PG Department of Computer Applications Sacred Heart College (Autonomous) Tirupattur. **“Fake News Analysis Using Machine Learning”** in 1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic : Opportunity and Challenges on May 02, 2020 , organised by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh.
- **“Challenges of Slum with Respect to Coronavirus”** International e-conference on “Strategies & Challenges in Higher Education during COVID19 Lockdown period in India with reference to World” Organized By Government of Maharashtra, Government Vidarbha Institute of Science and Humanities, Amravati, Maharashtra - 444 604 India 15th - 17th May, 2020, SCHE-DC19-LPIW 2020, Vol. I. (ISBN: 978-93-5407-920-7).
- **“ Functional MRI using Apache Spark in Big Data Application ”** in Online International Conference on Advances in Computing, Communication and Control” (ICA3C-2020) on 16/06/2020, organised by School of Computer Science and Applications, IIMT University, Meerut, Uttar Pradesh.
- **“ Technical Opportunities and Challenges In Artificial Intelligence ”** in Online International Conference on Advances in Computing, Communication and Control” (ICA3C-2020) on 16/06/2020, organised by School of Computer Science and Applications, IIMT University, Meerut, Uttar Pradesh.
- **“Counterfeit News Analysis Utilizing Machine Learning”** International conference on Electronics Communication & Power Systems (ICECAPS), Organized by Department of ECE, C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY MELVISHARAM held on 20, June 2020.
- **“Registering Intelligence of Recommendation System”** International conference on Electronics Communication & Power Systems (ICECAPS), Organized by Department of ECE, C.ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY MELVISHARAM held on 20, June 2020.

- **"The Framework Of Statistical Learning Theory In Covid-19 Analysis"** International E-Conference on Recent Trends and Technologies in Soft Computing (ICRTSC'20) Organized By The Department of Computer Science and Applications, St.Peter's Institute of Higher Education & Research, Avadi, Chennai-600 054,September 28 & 29' 2020.
- Five Days ONLINE NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM ON **"INTELLECTUAL PROPERTY RIGHTS"** ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING, Dr.M.G.R EDUCATIONAL & RESEARCH INSTITUTE FROM 22nd TO 26th MAY 2023.
- One Week Virtual Faculty Development Program **" Emerging Trends in Block Chain & Data Science"** organized by the Department of CSE, Dr.M.G.R EDUCATIONAL & RESEARCH INSTITUTE from 8th May to 12th May' 2023.
- Five Days Online National Faculty Development Program on **" Deep Drive Into Cloud Computing- Case Studies & Industry Practices"** Conducted by SRM IST,CSH- KTR Campus from 13th to 17th March 2023.
- Eight Days Faculty Development Programme on **" Cyber Security & Hacking"**, Organized by the Department of Computer Science & Applications-B.Sc(CS), Faculty of Science & Humanities, SRM IST, Ramapuram Campus, Chennai-600089.
- Five Days Virtual Faculty Development Programme on **" Exploring Augmented Reality / Virtual Reality Using Unity Tool"**, held from 11/07/2022 to 15/07/2022, organized by Sri Sai Ram Institute of Technology.
- One Week National Level Professional Development Program(PDP) on **" MATLAB and LabVIEW Programming for Engineering Applications"** organized by the National Institute of Technical Teachers Training and Research, Chennai, 20/06/2022 to 24/06/2022.
- One Week National Level Online Faculty Development Program on **"Recent Trends in Artificial Intelligence and Cyber Security"** from 01-05 November 2022 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram.
- One Week National Level Faculty Development Program on **" Futuristic Research Scope in Civil Engineering "** organized by the department of Civil Engineering, CK College of Engineering and Technology , Cuddalore- 23-08-2022 to 27-08-2022.
- Two Weeks International Virtual PDP on **DATA SCIENCE : A REVELATION OF THE MODERN DIGITAL ERA**, organized by the Department of Computer Science & Applications (MCA), SRM Institute of Science & Technology, Ramapuram Campus from 29-08-2022 to 10-09-2022.

Book Chapter Publication:

- **"The Management of Data Quality Assessment in Big Data Presents a Complex Challenge, Accompanied by Various Issues Related to Data Quality"**
Print ISBN: 978-81-963114-0-7, eBook ISBN: 978-81-963114-2-1,
DOI: 10.9734/bpi/rhmcs/v8/18858D.
- Chapter Title: **"The Rising Threat of Obesity in Developing Countries : Causes and Consequences"**, Book Title: **Research Trends in Multidisciplinary Subjects**, ISBN: 978-81-962702-6-1, Page 24-30.

Achievements and Awards:

- **Appreciation Award** in recognitions of the Contribution for the Successful celebrations of Silver Jubilee held on 02/08/2018.

Memberships:

- **The Indian Society for Technical Education** by approval of the Executive Council has admitted Life Member of the Society.
- **International Association of Engineers** by approval of Assistant Secretary [**IAENG**] has admitted Membership, **Member Number-224184.**
- **International Association of Advanced Materials [IAAM]** by approval of Admin Council has admitted Membership, **Member Number -7610181914054.**
- **International Association of Educators and Researchers [IAER]** by approval of IAER Membership Team, as a **Senior Member (SMIAER)-No.-181071.**
- **Institute of Research Engineers and Doctors (IRED)** by approval of Member ship Head as a **Associate Member (UACEE)** Member ship Number : **AM101000583123.**

Please send in your latest :



PASSPORT SIZE photograph.

Some examples of standard faculty profiles from other institutions:

- <http://isb.edu/faculty/facultydir.aspx?ddlFaculty=246>
- <http://engineering.stanford.edu/research/layout.php?sunetid=cfarhat>
- <http://public.tepper.cmu.edu/facultydirectory/FacultyDirectoryProfile.aspx?id=95>