CURRICULAM VITAE

Dr. M. Mohamed Surputheen, M.Sc., PGDCA., M.Phil., Ph.D.

Associate Professor of Computer Science
JAMAL MOHAMED COLLEGE (Autonomous)
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Personal Summary

A committed and qualified Associate professor with over thirty four years of experience at leading Indian Academic Institution "Jamal Mohamed College" affiliated with Bharathidasan University from 01-08-1988 till now for teaching students from heterogeneous backgrounds. Also, served as a Controller of Examinations from 2019 to 2022.

Educational Qualifications

- **Ph.D.** in Computer Science Degree from Dr. M.G.R. Educational and Research Institute University, Chennai, in 2014.

- **M.Phil** in Computer Science Degree from Regional Engineering College (NIT), Trichy, in1996.

- **P.G.D.C.A.,** Degree from Bharathidasan University, Trichy in 1988.

- **M.Sc., (Mathematics)** Degree from Bharathidasan University, Trichy, in 1986.

Area of Specialization

Wireless Sensor Network, Data mining, Machine learning and Deep learning.

Subjects Handled

- ✓ Programming in C / C++ / Java / R (Theory & Lab)

- ✓ Data Structures and Algorithms (Theory & Lab)

- ✓ Numerical Methods and Statistics

- ✓ Simulation and Modeling

- ✓ Soft Computing

Project Guidance Experience:

Ph.D. Level	Completed	On Roll
	01	10

List of Journal Publications: (International Journals – 34)

Sl. No	Name Of The Journal	Title of the Article	Month & Year of Issue
1	SN Computer Science – Springer	Iterative Dichotomiser Maximum Posteriori Active Selection Algorithm for Analysis of Coma Patient's Brain Waves Through WSN	May 2022
2	IJCSNS International Journal of Computer Science and Network Security	CADRAM – Cooperative Agents Dynamic Resource Allocation and Monitoring in Cloud Computing	March 2022
3	IJCSNS International Journal of Computer Science and Network Security	Novel Two-Level Randomized Sector- based Routing to Maintain Source Location Privacy in WSN for IOT	March 2022
4	IJCSNS International Journal of Computer Science and Network Security	Non-Smokers' Lung Cancer Bio-Images Detection using Deep Learning Approach	March 2022

5	International Journal of Innovative Research in Computer and Communication Engineering	A Review on Deep Learning Approaches for Detection of COVID'19 from CT Images	March 2022
6	International Journal of Innovative Research in Computer and Communication Engineering	Lung Cancer Image Approaches in Different Stages of Tumor Detection in Segmentation and Classification of Non-Smokers by CNN	February 2022
7	International Journal of Engineering Research & Technology (IJERT)	Prediction of Academic Performance in College Students with Bipolar Disorder Using Deep Featured Spectral Scaling Classifier (DFSSC)	October 2021
8	International Journal of Computer Science and Network Security	Prediction of Academic Performance of College Students with Bipolar Disorder using different Deep learning and Machine learning algorithms	July 2021
9	International Journal of Computer Science and Network Security	A Predictive Model to identify possible affected Bipolar disorder students using Naïve Baye's, Random Forest and SVM machine learning techniques of data mining and Building a Sequential Deep Learning Model using Keras	May 2021
10	Turkish Journal of Computer and Mathematics Education	The Lung Cancer Predictive Accuracy for Non-Smokers Using Classification and HFPS Algorithm	June 2021
11	Journal of Contemporary Issues in Business and Government	Psychotic Motivation forImproving Student Performance Based On Pattern Learner Features Using Deep Neural Classifier for Bipolar Disorder	April 2021
12	*International Journal of Electrical Engineering and Technology*	Optimized Extreme Learning Machine Based Classification Model for Prediction of Lung Cancer	November 2020
13	International Journal of Recent Technology & Engineering (IJRTE)	An efficient resource scheduling framework for infrastructure in cloud environment	November 2019
14	International Journal of Recent Technology & Engineering (IJRTE)	Fire-Fly Based MKFCM Segmentation and Hybrid Extraction for Lung Cancer Detection	November 2019

15	International Journal of Advanced Science and Technology	Hybrid Feature Extraction and Firefly Based Feature Selection Technique for Lung Cancer Computer Aided Diagnosis	June 2019
16	Journal of Applied Science and Computations	Cancer Detection Method using Lung Nodule Images of ROI Performance Prediction Evaluation	June 2019
17	International Journal of Recent Technology & Engineering (IJRTE)	A Trust based Secure & Energy efficient routing using ACO for WSN	November 2019
18	International Journal of Recent Technology & Engineering (IJRTE)	Behavioral Pattern Based Psychotic Analysis for Improved Student Performance using Fuzzy set	November 2019
19	International Journal of Recent Technology & Engineering (IJRTE)	Time Variant Multi perspective Hierarchical Clustering Algorithm for Predicting Student Interest in Sports Mining	November 2019
20	International Journal of Recent Technology & Engineering (IJRTE)	Real Time Service Level access restriction using dynamic OTUP generation for improved security in cloud	November 2019
21	International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)	Prediction of the College Students with Bi-polar Disorder who requires Psychology Motivation using Data mining techniques	June 2019
22	Asian Journal of Computer Science and Technology	Study and Analysis of Data Mining Algorithms for Identifying the Students' for Psychology Motivation	March 2019
23	International Journal of Emerging Technology and Advanced Engineering	Forecasting of Student Performance using Data Mining Techniques	February 2018
24	International Journal of Advanced Research in Computer Science and Applications	Adaptive QoS Based Routing using Firefly Algorithm	August 2014
25	International Journal for Scientific Research and Development	Particle Swarm Optimization Based QoS aware for Wireless Sensor Networks	June 2014

26	International Journal for Scientific Research and Development	Ant Colony Optimization Based Energy Efficient On- Demand Multipath Routing Scheme For Wireless Sensor Networks	June 2014
27	IOSR Journal of Computer Engineering (IOSR-JCE)	Renal Calculi Detection in Ultrasound images and Diagnosis of Images using Image Segmentation	May-June 2014
28	International Journal for Scientific Research & Development	A Survey of Colorectal Cancer Detection Using Various Segmentation Techniques in Image Processing	April 2014
29	International Journal of Computational Intelligence and Information Security	Securing Wireless Sensor Networks using Concealed Data Aggregation, Secret Sharing and Randomized Dispersive Routes	July 2012
30	International Journal of Computational Intelligence and Information Security	Route Optimization using SNMP for Automatic Discovery of Network Topology	July 2012
31	International Journal of Computer Applications	Secure Packet Transmission in Wireless Sensor Networks using Dynamic Routing Techniques	June 2012
32	International Journal of Computer Applications	Optimizing Routes using Genetic Algorithms based on Throughput or Delay Sensitivity of Applications using SNMP for Automatic Discovery of Network Topology	June 2012
33	International Journal of Computer Science Issues	Fast Energy-Efficient Secure Dynamic Address Routing For Scalable WSNs	April 2012
34	IJCSI International Journal of Computer Science Issues	SNMP Based Network Optimization Technique Using Genetic Algorithms	March 2012

Sl. No	Theme of the Seminar & Title of the Paper	Name of the College	Date of Presentation
1	National Level Conference on Future Trends in Applied Mathematics & Computer Technology (NACOFACT'15) Title:- Signal Processing through New Li-Fi Technology Communication	AIMAN College of Arts and Science for Women, Tiruchirappalli	26th Feb. 2015
2	State Level Seminar on Computing and Communication Technologies (SCCT-2015) Title:- Reaching of Report Placing Techniques for Meteorological info study	Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli	25th February 2015
3	State Level Seminar on Computing and Communication Technologies (SCCT-2015) Title:- Wi-Fi Connection using Routing Protocol	Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli	25th February 2015
4	State Level Seminar on Computing and Communication Technologies (SCCT-2015) Title:-Survey on Security Issues in Mobile Adhoc Networks	Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli	25th February 2015
5	State Level Seminar on Computing and Communication Technologies (SCCT-2015) Title:- Network Load Balancing using Wireless Sensor Network and Routing Protocol	Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli	25th February 2015
6	State Level Seminar on Computing and Communication Technologies (SCCT-2015) Title:- Achievement of Records Insertion Tech for Meteorological info study	Department of Information Technology, Jamal Mohamed College (Autonomous),	25th February 2015

		Tiruchirappalli	
7	UGC sponsored National Conference on Advance Computing (NCAC-2009) Title:- Routing Protocol for Wireless Sensor Networks – A Novel Approach	Department of Computer Science, Jamal Mohamed College(Autonomous),Tiruchirappalli	27th & 28th March 2009
8	National Conference on Wireless Network Security – Issues & Challenges Title:- Secure routing in Wireless Sensor Networks	CSE department, RVCE, Bangalore-59	19th and 20th March 2008
9	National Level Conference on Recent Trends in IT at Rovers College Title:- Routing and Security Issues in Wireless Sensor networks	Rovers College, Perambalur	20th February 2008
10	National Conference on Ubiquitous and Pervasive Computing Title:- Efficient Algorithm for the key Establishment in Sensor networks	NMAM Institute of Technology, NITTE, Karnataka	24th and 25th January 2008
11	National Conference on Ubiquitous and Pervasive Computing Title:- Range Dependent Localization Algorithm for Sensor networks	NMAM Institute of Technology, NITTE, Karnataka	24th and 25th January 2008

Details of Seminars / Conferences / Workshops Attended

➢ Participated in One Day National Workshop on "Research Issues in Big-Data Analytics" at BUTP, Tiruchirappalli on 27th March 2014

➢ Participated in One day National Level Seminar on Teaching Learning & Research in Higher Education – Excellence and Beyond Excellence at Jamal Mohamed College (Autonomous), Tiruchirappalli on 7th March 2012

➢ Participated in National Conference on Advanced Computing (NCAC-2012), organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 1st March 2012

➢ Participated in IBM Career Education Conclave at Grand Gardenia, Tiruchirappalli on 21st July 2011

➢ National Conference on Advanced Computing (NCAC 2011) at PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th February 2011

➢ Creating Competitiveness to Excel in Higher Education – a TQM Approach at Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th December 2010

➢ Participated in International Workshop on Next Generation Wireless Networks at Indian Institute of Technology, Allahabad on 12th to 16th July 2008

- Participated in the National Conference on Fuzzy Mathematics and Graph Theory at Jamal Mohamed College, Trichy on 27th and 28th March 2008

- Participated in National Conference on "Frontier Research Areas in Computing Sciences", at Bharathidasan University, Tiruchirappalli on 5th and 6th October 2007.

- Participated in A workshop on Mobile and Pervasive Computing, conducted and NIT, Trichy on 4th August 2007

- Participated in State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy on 22nd March 2007

- Participated in One day Workshop on Software Development Trends in Technologies and Methodologies Conducted by the CSI and BUTP, Trichy on 19th March 2007

- Participated in Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Trichy on 23rd and 24th February 2007.

- Participated in National Conference on Computer Science and Communication Technology, St. Joseph's College, Trichy on 16th and 17th February 2007.

- Participated in International Seminar on Research Directions in Information Technology and Applications, Department of Management Studies, NIT, Trichy on 22nd December 2006.

- Participated in National Conference on Frontier Research Areas in Computer Science, Bharathidasan University, Trichy on 17th and 18th August 2006.

- Participated in State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Trichy on 28th March 2006

- Participated in UGC Sponsored three day Workshop on Curriculum Development and Evaluation organized by UGC – Academic Staff College, Bharathidasan University, Trichy, conducted at Jamal Mohamed College, Trichy on 2nd to 4th March 2006

- Participated in National Level Seminar on Emerging Trends in IT at Department of Computer Science, Bharathidasan University, Trichy on 3rd and 4th February 2006.

Details of Seminars / Conferences / Workshops Organized

- Organized a National Conference NCAC -2015 (National Conference on Advanced Computing -2015) on 8th February 2011 at Department of Computer Science, Jamal Mohamed College (Autonomous). Trichirapppalli-20, under Autonomous Grant from

UGC.

Details of Awards / Recognitions:

S. No.	Award / Recognition	Awarding Agency and Place	Date(s) DD-MM-YYYY
1	**Indo Asian – Maurice Wilkes Distinguished Innovative Scientist Award** **Computer Science** (Prestigious Academic Excellence Award 2020)	International Multi-disciplinary Research Foundation, Andhra Pradesh.	30-12-2020

Details of Incharge / Membership in Committees for Autonomous

- ➢ Member of Board of Studies in Computer Science, Jamal Mohamed College (Autonomous), Trichy-20.

- ➢ Member of Board of Studies in Data Science, Nehru Memorial College, Puthunampatti.

Details of Charing as a Resource Person

- ➢ Acted as a Chair Person for the Paper Presentation Session in National Conference on Computing and Communication Technologies (NCCCT'18) at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 20th February 2018.

- ➢ Acted as a Chair Person for the Paper Presentation Session in State Level Conference on Computing and Communication Technologies (SCCT-2015) at Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 25th February 2015.

Details of Incharge / Membership in Committees for Autonomous

- Member of Board of Studies in Computer Science, Jamal Mohamed College (Autonomous), Trichy-20.

DETAILS OF MEMBERSHIP OF PROFESSIONAL BODIES

- Member of Computer Society of India.

ADMINISTRATION POSITIONS HELD IN COLLEGE

- Controller of Examinations (2019 – 2022)
- Coordinator, Khajamian Hostel (2014 – 2018)
- Deputy Warden, Khajamian Hostel (2004 – 2014)
- Staff Incharge – Anti-Dowry Association (2004 – 2011)
- Convener, Anti-Ragging Committee (2014)

Personal Details:

Date of Birth & Age	10.05.1964, 58 Yrs
Marital Status	Married
Current Designation	Associate Professor in Computer Science & Co-Ordinator of Computer Science & IT (SF)
Religion & Community	Islam – BC
Languages Known	Tamil and English
Residential Address	33 / 6B Kudumian Sahib Street Khajamalai Tiruchirappalli - 620 023 Tamil Nadu. Phone: 9443219535.
Office Address	PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous) No. 7, Race Course Road, TVS Tollgate, Tiruchirappalli - 620 020, Tamil Nadu.

Declaration:

I hereby declare that the above details are true and best of my knowledge.

Date:

Place: Trichy-20   **(Dr. M. MOHAMED SURPUTHEEN)**