

RESUME

1. **Name** : Dr. M. MOHAMED SURPUTHEEN

2. **Date of Birth** : 10 – 05 - 1964

3. **Address:**



Residential:
33 / 6B, Kudumian Sahib Street,
Khajamalai
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Office:
Department of Computer Science
Jamal Mohamed College (Autonomous)
Trichy –620 020.
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4. **Designation:** Associate Professor

5. **Educational Qualifications:** M.Sc, PGDCA, M.Phil, PhD.

Examination Passed	Year
M.Sc	1986
M.Phil	1996
PGDCA	1988
Ph.D	2014

6. **Experience:** Undergraduate: 27
Postgraduate: 27
M.Phil: 19

7. **Areas of Specialization:** Genetic Algorithm, Network Management, Wireless Sensor Networks, Artificial Intelligence

8. **Languages known :** English, Tamil

9. **Subjects Taught:**

Undergraduate:
Data Structures and Algorithms, Programming in JAVA
Postgraduate:
Numerical and Statistical Methods, Programming in JAVA,
Simulation and Modeling
M.Phil:
Research Methodology, Soft Computing

10. **Research Supervision:**

M.Phil.Degree - Thesis Completed – 35
M.Phil.Degree - Pursuing – 5

11. Details of Publications:

- Adaptive QoS Based Routing using Firefly Algorithm - International Journal of Advanced Research in Computer Science and Applications, Vol. 2 Issue 10,ISSN:2321-872X, August 2014
- Particle Swarm Optimization Based QoS aware for Wireless Sensor Networks - International Journal for Scientific Research and Development, Vol. 2, Issue. 07, June 2014
- Ant Colony Optimization Based Energy Efficient On-Demand Multipath Routing Scheme For Wireless Sensor Networks - International Journal for Scientific Research and Development, Vol. 2, Issue. 07, June 2014
- “Renal Calculi Detection in Ultrasound images and Diagnosis of Images using Image Segmentation”, IOSR Journal of Computer Engineering (IOSR-JCE), May-June 2014.
- “A Survey of Colorectal Cancer Detection Using Various Segmentation Techniques in Image Processing”, IJSRD - International Journal for Scientific Research & Development| Vol. 2, Issue 04, 2014 | ISSN (online): 2321-0613
- Securing Wireless Sensor Networks using Concealed Data Aggregation, Secret Sharing and Randomized Dispersive Routes - International Journal of Computational Intelligence and Information Security, July 2012, Vol. 3, No. 6 ISSN: 1837-7823.
- Route Optimization using SNMP for Automatic Discovery of Network Topology - International Journal of Computational Intelligence and Information Security, July 2012, Vol. 3, No. 6 ISSN: 1837-7823
- ‘Secure Packet Transmission in Wireless Sensor Networks using Dynamic Routing Techniques’, *International Journal of Computer Applications* , vol. 49, no.22, pp. 8-11,Impact factor: 0.814. -2012
- ‘Fast Energy-Efficient Secure Dynamic Address Routing For Scalable WSNs’, *International Journal of Computer Science Issues*, vol. 9, Issue 2, no.1, pp. 383- 387, Impact factor 0.242. - 2012
- SNMP Based Network Optimization Technique Using Genetic Algorithms”, IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 2, No 3, March 2012.
- “Optimizing Routes using Genetic Algorithms based on Throughput or Delay Sensitivity of Applications using SNMP for Automatic Discovery of Network Topology”, *International Journal of Computer Applications* (0975 – 888), Volume 47– No.12, June 2012.

12. Details of Papers Presented:

- Presented paper titled on Efficient Algorithm for the key Establishment in Sensor networks at National Conference on Ubiquitous and Pervasive Computing at NMAM Institute of Technology, NITTE, Karnataka on 24th and 25th January 2008
- Presented paper titled on Range Dependent Localization Algorithm for Sensor networks at National Conference on Ubiquitous and Pervasive Computing at NMAM Institute of Technology, NITTE, Karnataka on 24th and 25th January 2008
- Presented paper titled on Routing and Security Issues in Wireless Sensor networks at National Level Conference on Recent Trends in IT at Rovers College, Perambalur on 20th February 2008.
- Presented paper titled on Secure routing in Wireless Sensor Networks at National Conference on Wireless Network Security – Issues & Challenges held at CSE department, RVCE, Bangalore-59 on 19th and 20th March 2008.
- Presented paper entitled as “Routing Protocol for Wireless Sensor Networks – A Novel Approach” in UGC sponsored National Conference on Advance Computing (NCAC-2009) at Department of Computer Science, Jamal Mohamed College(Autonomous),Tiruchirapalli held on 27th & 28th March 2009.
- Presented paper titled on Achievement of Records Insertion Tech for Meteorological in State Level Seminar on Computing and Communication Technologies (SCCT-2015), Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015
- Presented paper titled on Network Load Balancing using Wireless Sensor Network and Routing Protocol in State Level Seminar on Computing and Communication Technologies (SCCT-2015), Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015
- Presented paper titled on Survey Security Issues in Mobile Adhoc Network in State Level Seminar on Computing and Communication Technologies (SCCT-2015), Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015

- Presented paper titled on Wi-Fi Connection using Routing Protocol in State Level Seminar on Computing and Communication Technologies (SCCT-2015), Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015
- Presented paper titled on Reaching of Report Placing Techniques for Meterological info study in State Level Seminar on Computing and Communication Technologies (SCCT-2015), Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 20 on 25th February 2015
- Presented paper titled on Signal Processing through New Li-Fi Technology Communication in National Level Conference on Future Trends in Applied Mathematics & Computer Technology (NACOFAC'T'15) at AIMAN College of Arts and Science for Women, Trichirappalli on 26th Feb. 2015

13. Details of Seminars / Conferences / Workshops Attended:

- Participated in National Level Seminar on Emerging Trends in IT at Department of Computer Science, Bharathidasan University, Trichy on 3rd and 4th February 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 State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Trichy on 28th March 2006.
- Participated in National Conference on Frontier Research Areas in Computer Science, Bharathidasan University, Trichy on 17th and 18th August 2006.
- 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 Computer Science and Communication Technology, St. Joseph's College, Trichy on 16th and 17th February 2007.

- Participated in Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Trichy on 23rd and 24th February 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 State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy on 22nd March 2007.
- Participated in A workshop on Mobile and Pervasive Computing, conducted and NIT, Trichy on 4th August 2007.
- Participated in National Conference on “Frontier Research Areas in Computing Sciences”, at Bharathidasan University, Tiruchirappalli on 5th and 6th October 2007.
- Participated in the National Conference on Fuzzy Mathematics and Graph Theory at Jamal Mohamed College, Trichy on 27th and 28th March 2008.
- Participated in International Workshop on Next Generation Wireless Networks at Indian Institute of Technology, Allahabad on 12th to 16th July 2008.
- Creating Competitiveness to Excel in Higher Education – a TQM Approach at Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th December 2010
- National Conference on Advanced Computing (NCAC 2011) at PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th February 2011
- Participated in IBM Career Education Conclave at Grand Gardenia, Tiruchirappalli on 21st July 2011
- 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 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 One Day National Workshop on “Research Issues in Big-Data Analytics” at BUTP, Tiruchirappalli on 27th March 2014

14. 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), Trichirappalli-20, under Autonomous Grant from UGC.

15. Details of Orientation / Refresher Course Attended: Nil

16. Details of Study Materials / Books written and published: Nil

17. Details of Charing as Resource Person:

- 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.

18. Administration Positions held in the College:

- Deputy Warden, Khajamian Hostel- 2004 -2014.
- Coordinator, Khajamian Hostel - 2014
- Staff-in-charge, Anti-Dowry Association – 2004-2011.
- Convener , Anti Ragging committee - 2014

19. Details of Incharge / Membership in Committees for Autonomous:

- Member of Board of Studies in Computer Science

20. Details of Incharge / Participation in Extracurricular Activities :(NSS, NCC, Sports, Games, Voluntary Association and Cultural Activities): Nil

21. Details of Participation in Consultancy, Training, Development etc..: Nil

22. Details of Membership in Academic Bodies: Nil

23. Details of Membership of Professional Bodies:

- Member of Computer Society of India

24. Country visited: Nil

25. Any other information if any: Nil