

RESUME

As on 14th July 2018

1. Name : Dr. S.A. JAMEEL

2. Date of Birth : 27 – 01 – 1975

3. Address :



Residential:

No.7/35A,
Rahamath Manzil
Renga Nagar,
Ranjithapuram
Tiruchirappalli – 620 020
Tamil Nadu, India.
Tel: 0431 – 2332787
Mobile No.: 9894637586

Office:

Department of Computer Science
Jamal Mohamed College
Tiruchirappalli – 620 020
Tel: 0431 – 2331535
Email: jameel@jmc.edu, sajameel@gmail.com

4. Designation: Associate Professor

5. Educational Qualifications: M.Sc., M.Phil (CS), Ph.D.,

Examination Passed	Year
M.Sc (CS)	1999
M.Phil	2006
Ph.D	2017

6. Experience:

Undergraduate: 15 years
Postgraduate: 15 years
M.Phil: 06 years

7. Areas of Specialization: Digital Image Processing, Computer Graphics, Network Security, Artificial Intelligence

8. Languages known: English, Tamil, Hindi (Spoken), Urdu (Spoken).

9. Subjects Taught:

Undergraduate:

Computer Graphics, Database System, Database Management Systems, Multimedia System, Hardware and Troubleshooting, Web Design, C Programming, Object Oriented Programming using C++, Operating Systems, Computer Networks, Soft Skills, Office Automation, Value Education, Datastructures and Algorithms, Environmental Studies, Digital Electronics, Management Information Systems, Internet Security and Cyber Crime, IT Systems Management, PHP Programming, Principles and Practices of Information Security, General Aptitude, Fundamentals of IT, Organizational Behaviour, Software Engineering

Postgraduate:

Database Management System, Artificial Intelligence and Expert System, Computer Graphics, Parallel Processing, Operating System, Simulation and Modeling, Numerical and Statistical Methods, System Analysis and Design, Internet and its Applications, Object Oriented Analysis and Design, Object Oriented Programming using C++, Distributed Technology, Dot Net Technology, Software Testing and Quality Assurance, Information Security, Network Security, E-Commerce, Mathematical Foundations, Mobile Computing, Datastructures and Algorithms, Multimedia, Unified Modeling Language, Microprocessors and Microcontrollers, Database Systems, System Analysis and Design, Data Warehousing and Datamining, Numerical Aptitude, Comprehensive Study, Software Engineering, Distributed Operating Systems, Advanced Computer Architecture, Grid Computing, Software Project Management, Distributed Operating Systems.

M.Phil: Digital Image Processing, Artificial Intelligence, Network Security, Research Methodology. .

10. Research Supervision:

M.Phil.Degree - Thesis Completed – 15
M.Phil.Degree - Pursuing – Nil

11. Details of Publications:

- Controlled Event Framework for Information Asset Security published in the BDU Journal of Science and Technology Volume I: pp.15 -28, July 2009.
- Algorithm for Cryptanalysis with Application to Data Encryption Standard published in CIIT International Journal of Networking and Communication Engineering, Volume 1, No.6, pp.240-244, September 2009.
- Face Recognition Using Eye Perturbation Experiments published in CIIT International Journal of Biometrics and Bioinformatics, Volume 2, No.11, pp. 331-334, November 2010.
- A Study of Advanced Encryption Standard in Network Security using Cryptography Algorithms published in International Journal of Computer Science and Information Technology (Inter-Disciplinary Journal), Volume 2, Issue 1, pp.11-14, April 2011.
- Architecture Mechanism for Security using XML published in International Journal of Algorithms, Computing and Mathematics, Volume 5, Number 2, May 2012 in Eashwar Publications.
- Retinal Vessel Tortuosity for Digital Fundus Images published in CIIT International Journal of Digital Image Processing, Volume 6, No.4, pp.201-204, April 2014.

- Retinal Vessel Tortuosity based on Curvature for Digital Fundus Images published in CIIT International Journal of Digital Image Processing, Volume 6, No.5, pp.222-227, May 2014.
- Computer Aided Diagnosis of Melanoma Detection Using FCM and Feature Extraction Technique in Matlab published in IJSRCSAMS, International Journal of Scientific Research in Computer Science Applications and Management Studies Volume 3, Issue 3, May 2014.
- Computer Aided Diabetic Retina Automatic Detection of Microaneurysms and Hemorrhages in Digital Fundus Image published in IJSRCSAMS, International Journal of Scientific Research in Computer Science Applications and Management Studies Volume 3, Issue 4, August 2014.
- Implementation of Improved Gaussian Filter Algorithm for Retinal Fundus Images published in International Journal of Computer Applications (IJCA) in December 2015 Edition. Volume 132 – No.8, pp.1-4, December 2015.
- Design and Implementation of Thresholding Algorithm based on MFR for Retinal Fundus Images published in IOSR Journal of Computer Engineering (IOSR-JCE) Vol. 17, Issue 6, pp.11-14, November – December. 2015.
- Efficient Automated Retinal Vessel Tortuosity Measurement in Diabetic Retinopathy Fundus Images, International Journal of Control Theory and Applications, Volume 10, Number 31, 2017.

12. Details of Papers Presented:

- Cryptography using Advanced Encryption Standard in U.G.C sponsored National Seminar on Importance of Graph Theory, Fuzzy Algebra and Cryptography, Holy Cross College(Autonomous), Department of Mathematics, Trichy on 24th and 25th January 2007.
- One Time Pads for Cryptography in DES in National Level Seminar on Emerging Trends of Mathematical Techniques and their Applications in Computer Science, Department of Computer Applications (MCA –AICTE Approved) and Department of Computer Science & Mathematics, Srimathi Indira Gandhi College, Trichy on 23rd and 24th February 2007.
- Triple Encryption and Decryption using DES in UGC Sponsored National Conference on Data Mining and its Applications, Gobi Arts and Science College (Autonomous), Gobichettipalayam on 9th and 10th March 2007.
- Query and Crawling Based Classification Algorithms on Searchable Web Databases in First International Conference on Data Engineering and Management- ICDEM 2008 at Bishop Heber College, Tiruchirappalli on 9th February 2008.
- Authentication and Security Aspects in Quantum Cryptography in Second National Conference on Emerging Trends in Advanced Computing-NCETAC '08' organized by Department of CSE & IT, Jayaram College of Engineering & Technology, Pagalvadi, Thuraiyur, Tiruchirappalli – 621 014 on 20th and 21st March 2008.

- Steganography Detection using a Computational Immune System Approach in National Conference on “Research Areas in Computer Science” at SRM University, Ramapuram Campus, Chennai-89 on 24th and 25th April 2008.
- Key Mechanisms for Wireless Sensor Networks in International Conference on Computing, Communication and Networking (ICCCN-2008) organized by Chettinad College of Engineering and Technology, Karur – 639 114 on 18th to 20th December 2008 appears also in IEEE Xplore, Publication Year: 2008, Pages 1-4.
- Security Issues for the Semantic Web in 2nd International Conference on ‘SEEC-Semantic E-business and Enterprise Computing 2009’ in Bishop Heber College, Trichirappalli, Tamil Nadu on 4th to 6th November 2009.
- Quantum Key Distribution Protocols in One Day National Level Seminar on “Graph Theory, Algorithms and Modelling (GAM – 2010)” under UGC Autonomous Grant, P.G. & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 held on 19th March 2010.
- A Review on Face Recognition Algorithms in National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 8th February 2011.
- Performance Analysis of Attacks in Mobile Ad-hoc Networks in National Conference on Evolutionary Computing, Image Processing and Web Technology (NCECIWT’11), Department of Computer Applications, Karpagam College of Engineering (Autonomous), Othakkalmandapam(P.O), Coimbatore -641 032 on 24th and 25th March 2011.
- Generative Thesaurus for Tamil in National Conference on Natural Language Processing (NCNLP 2011), Department of Computer Applications, Kumaraguru College of Technology, Coimbatore-49 on 25th and 26th March 2011.
- Comparative Study of Removal Noise Form Remote Sensing Image in National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 1st March 2012.
- Image Enhancement for Mask Image using Spatial Filters in National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 1st March 2012.
- Comparison of AS and FCM Segmentation Algorithm for Skin Lesion Border Detection in Melanoma Skin Cancer in the International Conference on Contemporary Trends in Computer Science at J.J. College of Arts and Science (Autonomous), Sivapuram, Pudukkottai, Tamilnadu, India on 20th and 21st February 2014.
- Comparative Systematic Analysis of FCM and ANFIS Technical of Diabetic Retina in the 4th National Conference on Issues and Trends in Advanced Computing (NITAC-2014) organized by Department of Computer Applications, Bannari Amman Institute of Technology, Sathyamangalam - 638 401, during 14-15 March 2014.

- Retinal Vessel Tortuosity Algorithms in the Third National Conference on “Intelligent Computing” held at Department of Computer Science, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode on 8th and 9th August 2014.
- Retinal Vessel Segmentation for Vessel Tortuosity in the State Level Seminar on Computing and Communication Technologies organized by P.G Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 on 25th February 2015.
- Retinal Vessel Tortuosity based on Chain Code Algorithms in the National Conference on Future Trends in Applied Mathematics & Computer Technology-NACOFAC ‘15 organized by Department of Mathematics and Computer Science, Aiman College of Arts and Science for Women, K. Sathanur, Trichy 620 021 held on 26th February 2015.
- Vessel Centerline for Retinal Vessel Tortuosity in the National Conference on Advanced Computing-NCAC-2015 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 5th March 2015.
- Efficient Automated Retinal Vessel Tortuosity Measurement in Diabetic Retinopathy Fundus Images in International Conference on Soft Computing Systems – ICSCS-2016 organized by the Department of Electrical and Electronics Engineering, Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay-629 180, Kanyakumari District, Tamilnadu, India on 19th and 20th February 2016.
- Retinal Vessel Tortuosity Evaluation using Connected Component Analysis for Fundus Images in 5th IEEE International Conference on Communication and Signal Processing - ICCSP' 16 organized by Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College, Melmaruvathur, Tamilnadu, India – 603319 on 06, 07 & 08th April 2016 appears also in IEEE Xplore, 24th November 2016.
- Fundus Imaging Techniques for Fundus Images in the National Conference on Computing and Communication Technologies-NCCCT 2016 organized by PG Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 17th September 2016.
- Retinopathy Analysis in Fundus Images in the National Conference on Advanced Computing-NCAC-2017 organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 15th March 2017.
- Study on Vessel Segmentation Algorithms in the National Conference on Computing and Communication Technologies-NCCCT 2018 organized by PG Department of Information Technology & PG Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 20th February 2018.

13. Details of Seminars / Conferences / Workshops Attended:

- UGC Sponsored Three day Workshop on Curriculum Development and Evaluation organized by UGC – Academic Staff College, Bharathidasan University, conducted at Jamal Mohamed College, Trichy-620 020 on 2nd to 4th March 2006.
- State Level Technical Symposium on Enterprise Management Software in Indian Context – Issues and Solutions at Department of Information Technology, School of Engineering & Technology, Bharathidasan University, Trichy-620 024 on 18th March 2006.
- State Level Seminar on Recent Trends in IT at Department of Computer Science, Jamal Mohamed College, Trichy on 28th March 2006.
- National Conference on Frontier Research Areas in Computer Science, Bharathidasan University, Trichy-620 023 on 17th and 18th August 2006.
- International Seminar on Future Scenario of IT, conducted by Department of Computer Science and Applications, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur-621 212 on 1st September 2006.
- State Level Conference on Current Trends in Research Field of Computer Science, organized by the Research Department of Computer Science, Shrimati Indira Gandhi College, Trichy-620 002 and Computer Society of India (Trichy Chapter) on 13th and 14th October 2006.
- International Seminar on Research Directions in Information Technology and Applications, Department of Management Studies, National Institute of Technology, Trichy – 620 015 on 22nd December 2006.
- Workshop on Image and Pattern Recognition, Department of Information Technology, Bharathidasan Institute of Technology, Bharathidasan University, Trichy – 620 024 on 27th December 2006.
- National Conference on Computer Science and Communication Technology, organized by the Department of Computer Science, St. Joseph's College (Autonomous), Trichy-620 002 on 16th and 17th February 2007.
- One day Workshop on Software Development Trends in Technologies and Methodologies organized by CSI, Tiruchy Chapter and BUTP Park, Trichy on 19th March 2007.
- State Level Workshop on Research Prospects in Data Mining, Department of Computer Science, Jamal Mohamed College, Trichy on 22nd March 2007.
- State Level Seminar on Computer Oriented Mathematical Techniques conducted by the PG Department of Computer Applications (MCA-AICTE Approved) and the Departments of Computer Science, Information Technology and Mathematics at Shrimathi Indira Gandhi College, Trichy on 10th and 11th August 2007.
- Workshop on Pattern Recognition, organized by Department of Computer Science at Periyar University, Salem – 636 011 on 1st September 2007.

- National Conference on BioInformatic Tools for Gene & Protein Analysis organized by the PG Department of Computer Applications(MCA-AICTE Approved), the Departments of Computer Science and Information Technology, SIGC and Bioinformatics Centre, Central Agricultural Research Institute (CARI), Port Blair, Andaman and Nicobar Islands at Shrimati Indira Gandhi College, Trichy on 7th and 8th September 2007.
- National Conference on “Frontier Research Areas in Computing Sciences”, organized by Department of Computer Science, Bharathidasan University, Tiruchirappalli – 620 023 on 5th and 6th October 2007.
- UGC Sponsored One Day Seminar “CYBER FEAST 2008” Organised by Department of Computer Science, Seethalakshmi Ramaswamy College, Tiruchirappalli on 16th February 2008.
- National Level Conference on Recent Innovations in Information Technology organised by the School of Computer Science, Thanthai Hans Roever College, Perambalur – 621 212 on 20th February 2008.
- National Level Seminar on “IT – Today & Tomorrow” Organized by the Academy of Computer Science, Muthayammal College of Arts & Science, Rasipuram – 637 408, Namakkal on 1st March 2008.
- Three Day Workshop on Digital Image and Video Processing organized by Department of Mathematics and Department of Computer Applications, National Institute of Technology, Tiruchirappalli, on 7th, 8th and 9th November 2008.
- R.N. Balasubramanian Endowment Lecture by Dr.C.E.Veni Madhavan, Professor, Department of Computer Science and Automation, Indian Institute of Science, Bangalore on Computational Aspect of Cryptography and Cryptanalysis at BUTP, Khajamalai Campus, Trichy-620 023 on 7th January 2009.
- UGC sponsored National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli -620 020 during 27th and 28th March 2009.
- State Level Seminar on Cloud Computing & Web 2.0 organized by the Department of Computer Science, Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur – 621 212 held on 6th March 2010.
- UGC Sponsored State Level Seminar on Examination Reforms held at Jamal Mohamed College (Autonomous), Trichy-20 on 12th March 2010.
- NAAC Sponsored National Level Seminar on Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions-Prospects and Problems organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Trichy-20 during April 15th and 16th, 2010.
- Seminar on “Creating Competitiveness to excel in higher education – a TQM approach” organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Trichy-20 on 8th December 2010.

- ICMR Sponsored National Seminar on Applications of Soft Computing in Medical Image Processing organized by Department of Computer Science and Engineering, Bannari Amman Institute of Technology, Sathyamangalam - 638 401, Erode District held on 4th and 5th March 2011.
- CSIR Sponsored Two Day National Seminar on “RESEARCH ISSUES & CHALLENGES IN MEDICAL IMAGING” organized by Department of Biomedical Engineering, PSNA College of Engineering & Technology, Dindigul- 624 622 from 21st and 22nd July 2011.
- Two day workshop on RESEARCH METHODOLOGIES IN COMPUTER SCIENCE & ENGINEERING conducted by the Department of Computer Science & Engineering, Anna University, Chennai-25 on 24th and 25th September 2011.
- A One Day State Level Seminar on Online Access to Research Journals and Books under UGC Autonomous Grant, organized by General Library, Jamal Mohamed College (Autonomous), Trichy-20 on 12th January 2012.
- UGC Sponsored National Seminar on Examination Reforms held at Jamal Mohamed College (Autonomous), Trichy-620 020 on 24th February 2012
- A One Day Seminar on TEACHING, LEARNING AND RESEARCH IN HIGHER EDUCATION-EXCELLENCE AND BEYOND EXCELLENCE organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Trichy-20 on 7th March 2012.
- A Two Day Faculty Development Programme on Soft Skills under UGC Autonomous Grant organized by the Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Trichy-20 on 4th and 5th January 2013.
- UGC sponsored National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli -620 020 on 5th March 2013.
- National Workshop on Image Processing and Applications organized by the School of Computing Sciences and Engineering, VIT University, Chennai on 13th March 2013.
- Two day National Level Workshop on Digital Image Processing using MATLAB organized by the Department of Computer Science and Engineering, National College of Engineering, Maruthakulam, Tirunelveli in association with Computer Society of India (CSI) on 9th and 10th October 2013.
- DST-PURSE Sponsored Workshop on Advanced Research Concepts in Computer Science using MATLAB held on 18th December 2013 at Bharathidasan University Technology Park, Khajamalai campus, Trichy-620 023.
- Two-Day Workshop on Research Methodology in Computer Science (WEKA & MATLAB) organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli -620 020 and Computer Society of India-Student Branch held on 2nd and 3rd March 2014.

- UGC sponsored National Conference on Advanced Computing organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli -620 020 during 5th March 2014.
- National Level One day Workshop on “PUBLISH & PROSPER” – Impactful Research & Impact Factored Papers held on 7th March 2014, organized by PRIST University, Kumbakonam Campus, Kumbakonam – 612 501.
- One – Day National Workshop on Research Issues in Big Data Analytics organized by Computer Society of India, Tiruchirappalli Chapter at Bharathidasan University Technology Park, Tiruchirappalli on 27th March 2014.
- Two Day Workshop in MATLAB conducted by Department of Computer Science, National College (Autonomous), Tiruchirappalli-620 001 on 11th and 12th September 2014.
- One Day Faculty Development Programme on ‘Introduction to People Empowering People’ organized by PG Department of Information Technology, Jamal Mohamed College, Trichy on 13th December 2014.
- Two-Day Workshop on Research Methodology in Computer Science on January 27th and 28th 2015 organized by PG and Research Department of Computer Science, Jamal Mohamed College, Trichy-620 020.
- A special lecture on user awareness for access to e-Resources organized by the General Library, Jamal Mohamed College (Autonomous), Trichy-20 on Thursday 12th February 2015
- National Level Workshop on “Recent Trends in Human-Computer Interaction” organized by CSI Tiruchirappalli Chapter in association with CSI Student Branch of MAM College of Engineering, CSI Student Branch of Jamal Mohamed College, CSI Women Student Branch of Shrimati Indira Gandhi College & Departments of CSE/IT/MCA of Saranathan College of Engineering, Tiruchirappalli on 28th February 2015 held at Hotel Sangam & Shrimati Indira Gandhi College, Trichirappalli.
- International Workshop on Image Processing Research with MATLAB on 31st July and 1st August 2015 at Bharathidasan University Technology Park, Khajamalai campus, Trichy-620 023.
- National Conference on Software and Computing Technologies jointly organized by Departments of Computer Science, MCA(AICTE-Approved) and I.T & Applications of Shrimathi Indira Gandhi College, Trichy-620 002, Bharathidasan University Technology Park, Tiruchirappalli, Computer Society of India, Tiruchirappalli Chapter and CSI Women Students Branch of SIGC, Tiruchirappalli held on 19th September 2015 at Shrimathi Indira Gandhi College.
- International Conference on Advanced Computing (Under Autonomous Grant from UGC) organized by PG & Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020. India on 3rd and 4th December 2015.

- One day Faculty Enrichment Program Use of NLP Techniques in Teaching conducted by the Department of Information Technology in association with ICT Academy of Tamilnadu on 5th March 2016 held at Jamal Mohamed College, Trichy.
- Two-day International Workshop on Image Restoration Techniques with Matlab organized by the PG and Research Department of Computer Science in technical collaboration with Computer Society of India – Tiruchirappalli Chapter and IEEE Podhigai Sub-section and IEEE Signal Processing/Computational Intelligence Computer Joint Societies Chapter (SIPCICOM) of Madras Section on 2nd & 3rd September 2016.
- One-day Workshop on 'The Role of a Teacher in the Present Scenario' organized by the International Quality Assurance Cell of Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 3rd December 2016.
- Three-day NLP-Based Faculty Empowerment Programme organized by the Internal Quality Assurance Cell of Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 17th, 19th, & 20th June 2017.
- National Conference on Computing and Communication Technologies-NCCCT 2018 organized by PG Department of Information Technology & PG Department of Information Technology, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 20th February 2018.
- One-day Workshop on 'Writing Winnable Project Proposals' organized by the Internal Quality Assurance Cell of Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020 on 23rd June 2018.

Certificate of Appreciation:

- A certificate of appreciation has been given by Internal Quality Assurance Cell Jamal Mohamed College for the participation in Seminars during 2007-08 on 17th February 2009.
- A certificate of appreciation has been given by by Internal Quality Assurance Cell Jamal Mohamed College for publishing a paper in UGC – approved referred Journal during 2017-18.

14. Details of Chairing as Resource Person:

- **Acted as Internal Judge for the event IT Presentia in VARIT-2K18 on 14th February 2018 conducted by Department of Information Technology, Jamal Mohamed College, Tiruchirappalli.**

15. Additional Responsibilities Held/Holding:

- Member, Board of Studies, Jamal Mohamed College.
- Member, Student Monitoring Committee, Jamal Mohamed College.
- Question Paper Setters in various universities and Autonomous colleges.

15. Details of Membership of Professional Bodies:

- Member of International Association of Computer Science and Information Technology IACSIT (Member No.:80333355), Singapore.
- Member, International Association of Engineers IAENG (Member No.:129997), Hong Kong.
- Member, Computer Science Teachers Association CSTA (Member No.:2648273), USA.
- Member, Universal Association of Computer and Electronics Engineer, New York, USA.