

RESUME



1. Name: A.R. MOHAMED SHANAVAS

2. Date of Birth: 06 – 06 – 1966

3. Address :

Residential:

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Trichy – 620 023.

Office:

Associate Professor
Department of Computer Science
Jamal Mohamed College
Trichy – 620 020.

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4. Designation: Associate Professor of Computer Science

5. Educational Qualifications: M.Sc., PGDCA., M.Ed., M.Phil, Ph.D.,

Examination Passed	Year
M.Sc	1988
PGDCA	1989
M.Phil	1997
M.Ed	1992
Ph.D	2010

6. Teaching Experience:
(years)

Undergraduate:	32
Postgraduate:	32
M.Phil:	24
Ph.D	12

7. Areas of Specialization: Computer Graphics, Image Processing, Data mining, Ad-hoc networks

8. Languages known: English, Tamil, Urdu

9. Subjects Taught:

Undergraduate:

Computer Organization and Architecture,
Operating system, Computer Graphics, Database Systems

Postgraduate:

Management Information Systems, Artificial Intelligence and its
Applications, Multimedia Systems and Design, Software Engg.

M.Phil.:

Mathematical Logic, Software Engineering, Artificial
Intelligence and its Applications, Digital Image Processing.

10. Research Supervision:

Degree:	Awarded	Pursuing
M.Phil.:	100+	2
Ph.D.	12	7

11. Details of Publications:

- Published an article entitled “Image Compression using Karnaugh Map – A Proposed Technique” in Jamal Academic Research Journal – an interdisciplinary (JARJ) Volume 1 No. 2, 2004 Page Nos. 33-38.
- Published an article entitled “Adaptive Audio Steganography” in Indian Journal of Science Arts and Commerce (ISAC) Volume 1, No. 1, 2005 Page Nos. 34 – 37.
- Published an article entitled “Generating Bus Route Description in Natural Language” in Jamal Academic Research Journal – an interdisciplinary (JARJ) Volume 2 No. 1 January – July 2005 Page No. 30-35.
- Published an article entitled “An Interface for Retinal Blood vessel detection and with measurement using sobel operator” in Jamal Academic Research Journal Vol.4. No.1. PP. 43-52.
- Published an article entitled “Face Recognition Using Eye Perturbation Experiments” CiiT International Journal of Biometrics and Bioinformatics ISSN 0974 – 9675 & Online: ISSN 0974 – 956X November 2010.

- Published an article entitled “An Image Mining Technique for Identifying Tuberculosis Meningitis of the Brain” CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 June 2011.
- Published an article entitled “Performance Analysis of Under Graduate Students” in CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 March 2012.
- Published an article entitled “Performance Analysis of Under Graduate Students” in CiiT International Journal of Data Mining Knowledge Engineering ISSN 0974 – 9683 & Online: ISSN 0974 – 9578 March 2012.
- Published an article entitled “An Effective Heuristic Approach for Hiding Sensitive Patterns in Databases” in IOSR Journal of Computer Engineering (IOSRJCE) ISSN: 2278-0661 Volume 5, Issue 1 (Sep-Oct. 2012), PP 06-11.
- Published an article entitled “ An improved Item- based Max-cover Algorithm to protect Sensitive Patterns in Large Databases ” in IOSR Journal of Computer Engineering (IOSR - JCE) e- ISSN: 2278-0661 p-ISSN: 2278 - 8727 Vol. 14 - Issue 4 (sep-oct 2013) PP 01-05.
- Published an article entitled “Introducing Parallelism in Privacy Preserving Data Mining Algorithms ” in International Journal of Computational Engineering Research ISSN: 2250-3005 Vol. 4 - Issue 2 (Feb - 2014) Page 38.
- Published an article entitled “Object Detection In Image Processing Using Edge Detection Techniques” in IOSR Journal of Engineering (IOSRJEN) e- ISSN: -3021, ISSN (p): 2278-8719 Vol. 4 - Issue 3 (March - 2014) PP 10-13.
- Published an article entitled “Output Privacy Protection With Pattern-Based Heuristic Algorithm ” in International Journal of Computer Science & Information Technology (IJCSIT) ISSN: Vol. 6 - Issue 2 (April - 2014)
- Published an article entitled “ Study and analysis of Placenta images using edge detection approach” in IJSRD pg No. 1579 to 1581 ISSN: 2321 0613 Vol.2 issue 3, 1/06/2014.
- Published an article entitled “Retinal Vessel Tortuosity based on Curvature for Digital Fundus Images” in CiiT International Journal of Digital Image Processing ISSN: Vol. 6 - Issue 5 (June- 2014) PP: 222-227.
- Published an article entitled “Retinal Vessel Tortuosity for Digital Fundus Images ” in CiiT International Journal of Digital Image Processing. ISSN: Pages: 201-204 Vol. 6 - Issue 4 (June - 2014).

- Published an article entitled “ Analysis of adaptive binary optimization for lossless medical image compression ” in International Journal of Engineering Research & Technology e- ISSN: 2278-0181 Vol. 3 - Issue 7 (July - 2014).
- Published an article entitled “A Survey and Study of Image Compression Method” in IOSR Journal of Computer Engineering (IOSR-JCE) e- ISSN: -0661,p-ISSN: 2278-8727 Vol. 16 - Issue 4 (July – Aug. 2014) pp 11-16
- Published an article entitled “Feature Correlation Measure Based Real Time Discrimination Prevention with Transactional Data Sets using Social Networks”, in International Journal of Innovative Technology and Exploring Engineering(IJITEE), Volume 8, Issue 12 ,October-2019. ISSN NO: 2278-3075. (SCOPUS INDEXED)
- Published an article entitled “Real Time Feature Convergence Measure for Efficient Discrimination for Transactional Data Set”, in International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, November 2019. ISSN: 2277-3878 (SCOPUS INDEXED).

Published an article entitled “Transformer induced enhanced feature engineering for contextual similarity detection in Text.” In Bulletin of Electrical Engineering and Informatics vol 11, no.4, August 2022,pp 2124-2130 . ISSN:2302-9285, DOI:10.11591/eei.v11i4.3384.

Published an article entitled “Novel Shared Input Based LSTM for Semantic Similarity Prediction “ journal of Advances in Information Technology Vol .13, No.4 August 2022.

12. Details of Papers Presented:

Papers Published

S.No.	Title of the Paper	Name of the Journal	Date	Approved/ Listed By	Impact Factor	ISSN	Page No.
1	INNOVATION OF RESILIENT AND SECURE MOBILE APPLICATIONS FOR BUSINESS DEVELOPMENT	International Journal of Business and Administration Research Review(IJBARR)	Aug 2015	UGC	4.729	ISSN 2348 – 0653(Print) ISSN 2347-856X (Online)	Page 61
2	TRANSFORM IN MOBILE COMPUTING	International Journal of Multidisciplinary Research Review (IJMDRR)	Aug 2016	UGC	4.164	ISSN 2395-1877(Print) ISSN 2395-1885 (Online)	Page 14

3	QUALITY ASSURANCE IN MOBILE COMPUTING	International Journal of Management and Social Science Research Review (IJMSRR)	Feb 2017	UGC	4.695	ISSN 2349-6738(Print) ISSN 2349-6746(Online)	Page 64
4	Improving the QoS of Mobile Cloud Computing Applications in Smart Environments	International Journal of Applied Engineering Research (IJAER)	June 2017	Scopus	SNIP 0.166 (2014)	Print ISSN-0973-4562 Online ISSN-1087-1090	2754-2760

- Presented a paper titled on Data Warehousing at National Conference on Recent Trends in Information Technology at Department of Computer Science and Applications, Hindustan College of Arts, Coimbatore on 24th January 2003.
- Presented a paper titled on Option Analysis for Reengineering on UGC Sponsored National Seminar on Software Engineering at Sacred Heart College, Tirupattur on 19th and 20th July 2003.
- Presented a paper titled on e-Governance on UGC Sponsored National Seminar on Cyber Impact on Society at SRC, Trichy at 11th and 12th February 2004.
- Presented a paper titled on A proposed technique for Diagnosing Retinal Diseases using Blood vessel detection on State level conference on computer oriented mathematical techniques at Shrimati Indira Gandhi College, Trichy at 10th and 11th August 2007.
- Presented a paper titled on Interface for Retinal Blood Vessel detection and width measurement on National Conference on “Frontier Research Areas in Computing Sciences”, Bharathidasan University, Trichy-23 at 5th and 6th October 2007.
- Presented a paper titled on An Interface for optic disk Detection in Retinal Fundus images on First International Conference on Data Engineering and Management at Bishop Heber College ICDEM 2008, Tiruchirappalli at 9th February 2008.
- An Interface for Optic Disc Detection in Retinal Fundus images using DIP techniques –First International Conference on Data Engineering and Management, ICDEM 2008, Feb – 2008 Proceedings, pages 369 – 372.

13. Details of Seminars / Conferences / Workshops Attended:

- 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 Technical Symposium on Enterprise Management Software

in Indian Context – Issues and Solutions at Department of Information Technology, Bharathidasan University, Trichy on 18th 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 UGC Sponsored National Level Seminar on Commerce Education in the New Millennium – Challenges & Perspectives at PG & Research Department of Commerce, JMC, Trichy on 14th and 15th September 2006.
- Participated in International Seminar on Research Directions in Information Technology and Application, Department of Management Studies, NIT, Trichy on 22nd December 2006.
- Participated in Second National Seminar on Information Technology, Department of Computer Science, Bharathidasan University, Trichy on 23rd and 24th February 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 AICTE Sponsored National Conference On Changing Paradigms in Service Marketing, Jamal Institute of Management, Jamal Mohamed College, Trichy on 23rd and 24th March 2007.
- Participated in Workshop on “Pattern Recognition”, at Periyar University, Salem on 1st September 2007.

14. Details of Seminars / Conferences / Workshops Organized:

- Organised a National Conference on “Advanced Concepts in Computer Science” during September 2010
- Organised a National Conference on “Advanced Concepts in Computer Science” during March 2013.
- Organised an International Conference on “Advanced Computing” during December 2019.
- Organised National Conference on “Advanced Computing” on 3rd February 2023.

Completed AICTE Recognised Faculty Development Programme on Internet Of Things from 10-04-2020 to 14-04-2020 (one week) Conducted by Computer Science and Engineering Department at National Institute of Teachers Training and Research Chandigarh.

15. Details of Study Materials / Books written and published:

- Prepared Study Materials for BCA and MCA programmes for the subjects such as Operating Systems, Computer Graphics, Database Systems and Systems Analysis and Design for University of Madras and Bharathidasan University..

16. Details of Chairing as Resource Person:

- Acted as a Resource person and Chairperson for paper presentation session in First International Conference on Data Engineering and Management at Bishop Heber College ICDEM 2008, Tiruchirappalli on 9th February 2008.
- Acted as a Resource person and Chairperson for paper presentation session in national Conference on “Recent Trends in IT” at Dhanalakshmi Srinivasan College, Perambalur on October 2010.
- Acted as a Resource person and Chairperson for paper presentation session in national Conference on “Advanced concepts in IT” at Thanthai Hans Rovers College, Perambalur on Feb 2011.
- Acted as a Resource person in a National Conference at National College, Trichy
- Acted as a Resource person in a National Conference at Aiman College for Women, Trichy
- Acted as a resource person in an one day Webinar on “ Image Processing Using MATLAB” On 30-07-2020 at Aiman College for Women ,Trichy.
- Served as a judge for the paper presentation session in International Conference on ‘Scientific and Technological Advancements for reliable and sustainable future (STARS-2022) from 16.11.2022 to 18.11.2022 at B.H.C, Trichy.
- Attended an orientation program organized by Department of Training & Capacity Building in Education NIEPA in Coloration with the UGC-HRDC & MANUU during 2nd July to 6th July 2018 at Hyderabad.

17. Country visited:

- Kingdom of Saudi Arabia during May 2013 and 2016