# Dr A. SRINIVASAN - Post Doc. Research Professional

Professor in Computer Science in Community College of Pondicherry University, Pondicherry University,

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## CAREER OBJECTIVE

- An Experienced Academician & Professor with an extensive experience in teaching coupled with administrative skills and Research can aid in the better functioning of the institute. Being the head of the department of an educational institute, aiming to establish excellent academic standards and provide state of the art facilities that can help raise the standards of Institutions & students.

## PROFESSIONAL  SUMMARY

- I am an Engineering Professor with a Ph.D. in Computer Science and Engineering with more than 31 years of Experience in Academic & Institution Management, Research & Development, Publications, Teaching and Faculty Administration & Workshops, and Seminars Management.

- As a Senior Professor, I have Successfully Guided and Completed 5 Ph.D. Research Work in Computer Science and Engineering faculty, 56 B.E (Final Year Projects), 36 M.E (Final Year Projects), 10 MCA (Final Year Projects) and 1 MPhil Project, and 3 MBA Projects, am also known as someone who works on Crafting out techniques for solutions and exercises independent judgment within the defined practices and policies.

- Instrumental in guiding the faculty of Information and Communication Engineering, Anna University and JNTU, Hyderabad, and being a recipient of multiple Prestigious Awards, including the TATA IBM Scholarship Awardee for attending the International Conference High-Performance Computing-1997 in Bangalore.

- Authored an International Standard Book on Title: Cloud Computing: A Practical Approach for Learning and Implementation,1/e" Pearson Education, ISBN NO.:9788131776513, May 2014.

- Received Six patents for Research work, one from the Indian Patent office and five from the Australian Patent office.

- Published and presented various Research Papers in National & International Conferences and Journals,

- Extremely competent in planning and organizing day-to-day research activities and resolving procedural problems
- Completed Two PhD Research work Title research objectives, namely:
  - ✓ "Software Solutions to the Spectral Study & Analysis of Cardiac Sound Signal".
  - ✓ "Developing New Framework for Face Recognition Systems".
- Known as an Exceptional Facilitator for students to obtain the best placements suited to them by liaising between the industry & college.
- Demonstrated ability to manage, coach, and collaborate with various students, faculty and administrative staff with excellent capacity to lead with intelligence and morality.
- An expert in bringing about challenging & innovative teaching & learning atmosphere that empowers the active learner by providing a high-quality training experience through a comprehensive network, support, and guidance.

## SPECIALIZATION

- Distributed Computing – Data Science and Cyber Security and Data Learning, Grid and Cloud Computing, Digital Image Processing and Analysis, Knowledge Engineering and Technologies

## Membership ID in Various International Journal Indexing Society

- VIDWAN ID: 124810
- ORCID ID: 0000-0001-9058-4473
- Web of Science Researcher ID is AAF-5354-2021.
- Scopus Author ID: 55568597500
  - ✓ https://orcid.org/0000-0001-9058-4473
  - ✓ https://www.researchgate.net/profile/Srinivasan-Arulanandam
  - ✓ https://www.scopus.com/authid/detail.uri?authorId=55568597500
  - ✓ https://scholar.google.com/citations?user=piqbSb0AAAAJ&hl=en
  - ✓ https://publons.com/researcher/4253461/srinivasan-arulanandam/
  - ✓ https://vidwan.inflibnet.ac.in/profile/124810
  - ✓ https://dblp.org/pid/116/7790.html

## Core Competencies

- Academic & Institution Management
- Research & Development/Publications
- General Administrative Functions
- Continuous Learning & Development
- Event/ Workshops & Seminars Management

- Curriculum Planning & Design
- Student Management & Counselling
- Process Improvements
- Networking
- Strategic Planning

## Significant Skills

- Thought Leadership
- Making Decisions in a Collaborative Way
- Building a Culture of Trust

- Empathetic & Active Listener
- Effective communication
- Empowerment & Inclusion

## Career Accomplishments

- Subjects Taught: Advanced Operating Systems, Database system Concepts, Database Design, Network Protocols & Network Security, Digital Image processing & Applications, Data Warehousing & Data Mining, Distributed Systems & Grid Computing
- Involved in the work process to obtain Autonomous Status [2F Status] to MNM Jain Engineering College from UGC by facilitating UGC, AICTE, Anna University on matters pertaining to engineering colleges
- Chaired all 7 Engineering Departments of MNM Jain Engineering College to achieve accreditation from AICTE (NBA) in 2011, 2013 and 2016.
- Successfully received the Accreditation as Principal at MNM Jain Engineering College and directed the college NBA Accreditation Team in Jul'12 & Sep'13 to provide accreditation renewal to all the Engineering Programs
- Headed the team to get School of Architecture program at MNM Jain Engineering College
- Fostered MNM Jain Engineering College amongst Top 20 Ranks in the Anna University results in the Academic Year 2012-13 as Principle.
- Joined as Sr. Professor and later got elevated as Principal in MNM Jain Engineering College.
- Appointed as the Team leader in 2004 to attain accreditation from AICTE (NBA) to the Department of Computer Science and Engineering, Tagore Engineering College, Anna University, Chennai.

## Awards & Accolades

- Felicitated with TATA IBM Scholarship Award for attending the International Conference on High-Performance Computing-1997 in Bangalore, India.
- Recognized with eligibility Certificate by the Centre for Affiliation of Institutions, Anna University, for being appointed as the Principal in an Engineering College affiliated to the Anna University.
- Appointed as the Editor of a Special Session on "CVIVP" in the international conference "FICTA 2014, Frontiers in Intelligent Computing, Theory and Application, Bhubaneswar Engineering College, Orissa, India, Web Site address: http://ficta.in, Dt: 14th & 15th Nov'14.

## Overseas Advanced Research Work Experience – Singapore

May'01 - Dec'01
8 Months

Post-Doctoral Research Experience
- Nanyang Technological University, Singapore
- School of Electrical Engineering

## Personal Details

- Languages: English, Tamil

## Education

**2016**

Ph.D. [Part Time]
- Department of Computer Science and Engineering
- M.S. University, Tirunelveli
- Faculty of Engineering

**2008**

M.E [SE&OR)
- Department of Computer Science and Engineering
- Guindy Campus, Anna University, Chennai
- Faculty of Engineering

**2001**

Post-Doctoral Fellowship
- School of Electrical and Electronics Engineering
- Nan yang Technological University, Singapore
- Faculty of Engineering

**2000**

Ph.D. [Full Time]
- Department of Electronics - Madras Institute of Technology
- Anna University, Chennai
- Faculty of Science and Humanities (Interdisciplinary)

**1992**

PGDCA [Three Semester Course]
- Computer Centre
- Alagappa University, Karaikudi
- Faculty of Computer Applications.

**1991**

M.SC [Physics]
- Department of Nuclear Physics - School of Physics
- AC Tech Campus, University of Madras, Chennai
- Faculty of Science.

## Additional Qualification's

**2003**

M.B.A - Finance
- IGNOU, New Delhi
- Faculty of Management Sciences

**2002**

PGDFM
- IGNOU, New Delhi
- Faculty of Management Sciences

# Career Snapshot – Professional Experience

## Engineering College Experience – Teaching, Research & Administration

**Oct'11 - To date**
124 months
Chennai

- Senior Professor & Head - Department of Information Technology
- MNM Jain Engineering College

**Jun'12 - Jun'13**
13 Months
Chennai

- Principal (i/c) - Senior Professor & Head
- MNM Jain Engineering College

**April '10 - Oct'11**
19 Months
Chennai

- Senior Professor - R&D Convener - Department of Computer Science and Engineering
- MNM Jain Engineering College

**Feb'10 - Apr'10**
3 Months
Chennai

- Professor and Head - Department of Computer Science and Engineering
- Venkateshwara Institute of Science and Technology

**Jul'05 - Jan'10**
55 Months
Chennai

- Professor - Department of Computer Science and Engineering
- SSN Engineering College

**Jan'04 - Jul'05**
19 Months
Chennai

- Professor and Head - Department of Computer Science and Engineering
- Tagore Engineering college

**Jan'02 - Jun'03**
18 Months
Coimbatore

- Assistant Professor and Head – Department, Department of Computer Application
- VLB Janakiammal College of Engineering

**Sep'93 - Sep'00**
81 months
Chennai

- Teaching Faculty
- Computer Center, MIT, Anna University

## Corporate Experience

**Oct'00 - Apr'01**
7 months
Bengaluru

- Product Manager
- B.B.S Electronics (India) Pvt. Ltd.

## Titles of Thesis Work – Research Experience

| Completed | Sep'00 | May'01 | Apr'03 | Apr'08 | Jan'16 |
|---|---|---|---|---|---|
| • Course<br><br>• Research Title Name | • Ph.D. [Computer Science].<br><br>• "Software Solutions to the Spectral Study & Analysis of Cardiac Sound Signal". | • PDF [Post-Doctoral Research Fellow].<br><br>• "Computer-Aided System Design for Endoscopic Imaging". | • MBA [Finance].<br><br>• "Ratio Analysis of Hindustan Lever Ltd" - A Study. | • M.E [SE&OR].<br><br>• "A New Algorithm for Face Recognition Using HGPP and Adaptive Binning Method". | • Ph.D. [Computer Science and Engineering].<br><br>• "Developing New Framework for Face Recognition Systems". |

## Expertise

### Research & Development

- Remained as Expert Committee Member in various Universities in Research Board.
- Planning and organising day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Setting up, calibrating, operating, and maintaining a variety of laboratory and/or field research equipment as specified by the research study requirements.
- Monitored and Adhered to the appropriate procedures & standards for the collection & preservation of samples.
- Assessed data as per established protocol, procedures & standards as appropriate to specific objectives of the research study.
- Recognizing, respecting & nurturing the creative potential of each student and Keeping records and writing reports on students' performance.

### Planning & Administration

- Performing various administrative duties and implementing operational plans for ensuring the smooth running of the College and Research work.
- Mentoring and providing Leadership to Teaching & Administrative staff and ensuring high quality of Teaching & Research.
- Specialized in preparing the campus-based budget, equipment, and institutional budget.
- Followed Government guidelines regarding the budgetary process and procedures.
- Reviewing the pre-set educational goals, objectives, and classroom instructional programs, establishing academic and other performance objectives.
- Conducting Research in the field of specialization and publishing findings in scholarly journals, books and patents.
- Serving in the faculty committees dealing with matters like curriculum planning, Programme degree requirements.

## Academic

- Implementation & Development of the university's internationalization strategy encompassing projects like building strategic international alliances, international academics programs, international students' recruitment, international mobility, international internships & external representation.
- Spearheading curriculum planning, professional development and the implementation of educational programs.
- Interacting and collaborating with students, parents, and the community to build an environment that maximizes student learning, remedial teaching, academic performance, and social growth.
- Collaborating with community leaders and disseminating information on new-launched courses of the college.
- Directing the faculty members for altering the prevailing courses/ curriculum/ syllabus based on the requirements.
- Administering faculty meetings; providing guidance & support for curriculum planning instructional goals, objectives & methods; setting plans for shaping the institution's reputation.

## Technical Forte

- Hardware: Polygraph Amplifier, TMS 320C30 Processor:
  - ✓ Advanced Operating Systems.
  - ✓ Database System Concepts.
  - ✓ Database Design.
  - ✓ Network Protocols and Network Security.
  - ✓ Digital Image processing and Applications.
  - ✓ Data Warehousing and Data Mining.
  - ✓ Distributed Systems.
  - ✓ Grid Computing.

## Special Assignments

- Enhanced knowledge in signal processing & image processing workstations.
- Administered acquisition and digitization techniques in the Signal Processing Field and Image Graphing Techniques in the Medical Image Processing Field.
- Spearheaded assignments pertaining to Software & Hardware systems Development in the Biomedical field

## Leadership Attainment in Consultancy & Research Supervisor across Universities [Computer Science and Engineering Faculty] :

- Distinction of being a recognized Supervisor for guiding Ph.D. Degree in :
  - ✓ Faculty of Information and Communication Engineering at Anna University, Guindy, Chennai.
  - ✓ Faculty of Computer Science and Engineering, JNTU, Kukatpally, Hyderabad.
  - ✓ Faculty of Computer Science and Engineering, Satyabhama University, Chennai.
  - ✓ Faculty of Computer Science & Engineering, Bharath Institute of Higher Education & Research, Chennai.
  - ✓ Faculty of Computer Science and Engineering, SRM University, Chennai.
  - ✓ Faculty of Computer Science and Engineering, Vinayaka Missions Deemed University, Salem, Tamil Nadu.

- Appointed as :
  - ✓ Ph.D. Doctoral Committee Member in the Department of Software Engineering, SRM University, Chennai
  - ✓ Ph.D. Thesis Review Committee Member in Computer Science and Engineering Department, University of Bard wan, West Bengal.
  - ✓ Ph.D. Thesis Review Committee Member in Computer Science and Engineering department, Annamalai University, Chidambaram, Tamil Nadu.
  - ✓ Ph.D. Review - Doctoral Committee Member to nearly 50 Ph.D. Students in the last 30 Years of Service at Satyabhama University, Chennai.
  - ✓ Ph.D. Review - Doctoral Committee Member to nearly 15 Ph.D. Students in the last 30 Years of Service at SRM University, Katankulathur, Chennai.
  - ✓ Ph.D. Review - Doctoral Committee Member to nearly 12 Ph.D. Students in the last 30 Years of Service at AIMET University, Kannathur, Chennai.
  - ✓ Ph.D. Review Committee Member to 5 students at Avinashi lingam University, Coimbatore.
  - ✓ Coordinator to Villgro My Idea Programme - 2010 to MNM Jain Engineering College, Chennai: 2010 - 11.
  - ✓ Staff Coordinator to IBM Great Mind Challenge - 2010 contest to Computer Science and Engineering Department, MNM Jain Engineering College, Chennai.
  - ✓ A Member, Board of Studies for Computer Science and Engineering for PG, Kongu Engineering College, Erode, Tamil Nadu: 2006 - 08.
  - ✓ A Member, Board of Studies for Computer Science for PG, KSR Arts and Science College, Periyar University, Tiruchengode, Tamil Nadu: 2006 - 08.
  - ✓ Member of Inspection committee to affiliated Colleges in Anna University, Chennai: 2005 - 10.

Final Year Project – Having 28 years of Experience as Department Co-Ordinator for UG/PG Degree Programs [B.E/ B.TECH/ME/ MCA].

## Professional Affiliations

- Serving as a Senior Member of ACM.
- Serving as a Senior Member of IEEE.
- Functioning as a Life Member for:
  - ✓ Computer Society of India (CSI).
  - ✓ Indian Society for Technical Education (ISTE).
- Serving as a Member of the International Editorial and Advisory Board:
  - ✓ Journal of Computer Science and Information Technology [ JCSIT].
  - ✓ International Research Journal of Computer Engineering & Information Technology [IRJCEIT].
- Serving as a Reviewer at:
  - ✓ Springer International Journal on Soft Computing.
  - ✓ International Journal of Automation and Control published by Inder-science Publishers.
  - ✓ International Journal of Signal Image and Video Pattern Recognition Letters - Elsevier.
  - ✓ International Journal on Biomedical Engineering and Technology [IJBET].
  - ✓ International Journal of Human-Computer Studies.
  - ✓ Scientific Journals International [SJI].
  - ✓ International Journal of Latest Trends in Computing (IJLTC).
  - ✓ International Journal of Computer Science & Emerging Technologies (IJCSET).
  - ✓ International Journal of Computer Science and Information Security (IJCSIS).

## Conferences & Seminars – Attended / Coordinated

- Oversaw Anna University Sponsored 02 - A Two Week Faculty Development Program as a Coordinator and conducted on Computer Architecture and Data Base Management Systems [DBMS] in the Department of Computer Science and Engineering, SSN College of Engineering, Chennai.
- Led the Computer Vision Course (16-720) to MS (IT-Robotics) Students of Carnegie Mellon University, USA, in SSN College of Engineering, Chennai.
- As a Convener, organized a Two Days National Conference on Recent Trends on Distributed Computing : NCDC - 2015, on 27th & 28th Mar'15, in IT Department, MNM Jain Engineering College, Chennai.
- Proactively participated in 14 Conferences / short-term courses.
- Planned & organized over 10 Conferences / short-term courses.

## Patent Activities : Granted 5 & In-Process 1

- Granted and received Patent Certificate from **Indian Patent Office** for the research work, title: "Image Processing field" - Application No: 889lCHEl2012; Dt: 09$^{th}$ Mar'12.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "An adaptive weighted fuzzy region-based optimization method for brain MR image segmentation" - Patent number: 2021103376;  Dt: 09$^{th}$ Mar'22.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "A Multi-Server-Based HTTP Live Streaming Method to Reduce Probable Load on a Single Server" - Patent number: 2021103377; Dt: 09$^{th}$ Mar'22.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "A Self -Adaptive N-Depth Context Tree Weighting Method" - Patent Number: 2021103378; Dt: 6$^{th}$ Mar'22.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "A rough fuzzy region-based bounded support fuzzy C-means clustering method for segmenting brain MR image" the patent no: 2021104779; Dt: 31$^{st}$ Jul'21.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: " A System and Method for Improvised Video Coding Technique for Deep Learning- Based Video Transmission" the patent no: 2021104780; Dt: 31$^{st}$ Jul'2

## Publication of Research Papers in National & International Journals and Conferences:

| Type of Publication | International | National |
|---|---|---|
| Journal | 29 | 04 |
| Conference | 20 | 15 |
| Total | 68 | |
| Patent  Applied | 05 | 01 |
| Patent Obtained | 04 | 01 |
| Book Published [Pearson International Publication | 01 | |

## Book Authored

- Written a book titled "Cloud Computing: A Practical Approach for Learning and Implementation 1/e" Pearson Education, ISBN NO:9788131776513, May'14.
  - ✓ http://www.pearsoned.co.in/web/books/9788131776513_Cloud-Computing_A-Srinivasan.aspx.

## Selected Papers Among the Research Papers Published:

### Journal papers - International / National:

1. A. Srinivasan, S. Sadagopan, "Rough Fuzzy Region-based Bounded support Fuzzy C- means Clustering for Brain MR Image Segmentation".
   Journal of Ambient Intelligence & Humanized Computing Springer Journal, Published 0n 19th Dec'19.
   [Annexure -1 -Anna University]

2. A. Srinivasan, G. Rohini, a paper titled "Performance-Based Algorithms for Video Bit Transmissions", Journal Cognitive Systems Research, Elsevier journals], PII: S1389-0417(18)30484-4.
   DOI: 10.1016/j.cogsys. 2018.10.019, 27th Oct'18.
   [Annexure -1 -Anna University].

3. A. Srinivasan, V.K. Gnanavel, "Multiple features Set with Feature Selection for Anomaly Search in Videos Using Hybrid Classification"
   International Journal "Multimedia Tools and Applications", Multimedia Tools Applications, https://doi.org/10.1007/s11042-018-6348-z, 15th Aug'18, [Annexure -1-Anna University].

4. A. Srinivasan, S. Sadagopan, a paper titled "Adaptive weighted fuzzy region-based optimization for brain MR image An International Journal "Multimedia Tools and Applications".
   Multimedia Tools Applications -https://doi.org/10.1007/s11042-018-6215-y, 11th Jun'18, [Annexure -1 -Anna University].

5. Srinivasan, A & **Gnanavel, VK 2020, '**Patch Based Multiple Feature Modalities For Anomaly Search In Videos Using Gaussian Mixture Model', Journal of Test Engineering & Management, ISSN: 0193-4120, Volume 83, Page No. 22624- 22635, Publication Issue March – April 2020 (**Scopus indexed journal**)

6. A. Srinivasan, A. Gayathri, "Effective Content-based Color Image Retrieval using SVM".
   National Conference on Big Data and Smart Cloud - NCBSC'17 held on 23th & 24th Mar'17 at Bharath University, Selaiyur.

7. A. Srinivasan, A. Gayathri, "Self-Learning Adaptive Dictionary Based Image Denoising using Super-Resolution and Demosaicing".
   International Conference on Knowledge-based Computing Technologies (ICKCT '16) 3rd & 4th Feb'17. KCG College of Technology, Chennai, India.

8. A. Srinivasan, "Multi Server-based cloud-assisted real-time trans rating for HTTP live streaming" in the Indian Journal of Science and Technology.
   Scopus indexed and listed in the Anna university Annexure-II list of journals.

9. A. Srinivasan, A. Gayathri, "Wavelet-Based Self Learning Adaptive Dictionary Algorithm for Image Denoising" Advances in Natural and Applied Science, Anna University Set –II journal List No:559.

10. A. Srinivasan, S. Sadagopan, "Generalized Rough Set method for Intensity In homogeneity Correction in Brain MRI Segmentation" Advances in Natural and Applied Science, Anna University Set –II journal List No:559.

11. A. Srinivasan, J. Suresh, A. Damodram, "Optimized Grid-Based e-Learning Framework".
    Research Journal of Applied Sciences, Engineering and Technology
    8(22): 2290-2299, 2014 ISSN: 2040- 7459; e-ISSN: 2040-7467 © Maxwell Scientific Organization, 2014,
    Anna University Set-II Journal List.

12. A. Srinivasan, A. Gayathri, "An efficient algorithm for image denoising using NLM and DBUTM estimation".
    TENCON 2014 - 2014 IEEE Region 10 Conference, IEEE Xplore digital library.
    DOI: 10.1109/TENCON.2014.7022388, Anna University Set-II Journal List.

13. A. Srinivasan, V. Balamurugan, "Occlusion detection and image restoration in 3D face image".
    TENCON 2014 - 2014 IEEE Region 10 Conference, IEEE Xplore digital library.
    DOI: 10.1109/TENCON.2014.7022477 Anna University Set-II Journal List.

14. A. Srinivasan, A. Gayathri, "Moving Object Detection by Fuzzy Aggregation Using Low-Rank Weightage Representation".
    Springer AISC Book Series- Advances in Intelligent Systems and Computing.
    Vol.2, PP-335-342, Nov 2014. [Scopus Indexed].

15. A. Srinivasan, V.K. Gnanavel, "Abnormal Event Detection in Crowded Video Scenes".
    Springer AISC Book Series- Advances in Intelligent Systems and Computing;
    Vol.2, PP-441-448, Nov 2014. [Scopus Indexed].

16. A. Srinivasan, C. Sivasankar, "A Framework for Human Recognition Based on Locomotive Object Extraction".
    Springer AISC Book Series- Advances in Intelligent Systems and Computing.
    Vol.2, PP-335-342, Nov 2014. [Scopus Indexed Journal].

17. A. Srinivasan, "A Novel Approach for  Facial  Feature  Extraction in  Face Recognition".
    Springer- Advances in Intelligent Systems and Computing Journal Series
    Vol -249-DOI-10.1007/978-3-319-03095-1-15, 2014. [ Scopus Indexed Journal].

18. A. Srinivasan, V. Balamurugan, "A Novel Approach for Developing Face Recognition System using Sparse Representation".
    International Journal of Advanced Research in Computer Science and Software Engineering
    Vol 4, Issue 2, PP-208 – 221, 2014.

19. A. Srinivasan, "A new framework for 3-D Face Reconstruction on Self Occluded images" INDER SCIENCE JOURNAL – Int. J. of Computational Vision and Robotics, 2013.
    Vol.3, No.4, pp.308 – 325. Anna University Set –1 Journal List. [Scopus Indexed] with Impact factor.

20. Srinivasan. A and Arul Selvan. P, "A review of Analog Audio Scrambling Methods for Residual Intelligibility".
    International Journal of Innovative Systems Design and Engineering [IISTE].
    Vol 3, No 7 (2012), pp.22-38, July - 2012 [Impact Factor:6.94].

21. Srinivasan. A, and. Girija "A Novel System for Face recognition to identify Occlusions and Restoration of image".
    2nd International Conference on Information and Network Technology. ICINT2012, 28th & 29th Apr'12, Chennai, India, Published in IPCSIT Journal.
    ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

22. Srinivasan. A and J. Geetha Priya, "A New Framework for Real-time Hand Gesture Detection and Recognition".
    2nd International Conference on Information and Network Technology. ICINT2012 - 28th & 29th Apr'12, Chennai, India, Published in IPCSIT Journal, Published in IPCSIT Journal.
    ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

23. Srinivasan. A, and Divyapreethi A.K, paper titled "A Robust System for 3D Face Reconstruction using Multi-stage Linear Approach".
    2nd International Conference on Information and Network Technology. ICINT2012, 28th & 29th Apr'12, Chennai, India, Published in IPCSIT Journal, Published in IPCSIT Journal.
    ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

24. A. Srinivasan, Suresh Jagannathan, A Damodram, "A Study of Protocols for Grid Computing Environment".
    International Journal of Computer Science and Security (IJCSS), 5(2), Jun'11.
    ISSN: 1985-1553, pp:244 - 276

25. Srinivasan. A, Suresh, A Damodram," P2P and Grid computing: Opportunity for Building Next Generation Wireless Multimedia Digital Library".
    EURASIP Journal on Wireless Communication and networking,
    [Springer journal]2012, [SCOPUS INDEXED, Anna University set-1 journal List].

26. Srinivasan. A, "Gabor Wavelet-based Face Recognition System using EWCVT and Bagging AdaBoost Algorithm," International Journal of Computer Applications (0975 – 8887), IJCA,
    Volume 16– No.3, Feb'11.

27. Srinivasan A, "A Framework for Face Recognition using Adaptive binning and AdaBoost Techniques" ISSN NO: 0975-5934, The International Journal of Multimedia & Its Applications (IJMA).
    Vol.3, No.1, PP-76-88, Feb'11.

28. Srinivasan A, "Histogram "Gabor Phase Pattern and Adaptive Binning Technique in Feature Selection for Face Verification", 2011, International Journal of Image Processing (IJIP), ISSN NO: 1985-2304.

29. Srinivasan A, S. Sharon Priya, "A Novel Approach for Image and Video Denoising by Sparse 3-D Transform Domain using Atrous and Gabor Wavelets", Jan'09.
    vol.1, International Journal on Information Processing (IJIP).

30. A. Srinivasan, S. Krishnamurthy, A. Mathialagan, "A System for AR modelling study of Cardiac Sound Signal", Jan-Apr, 2000, IETE Journal of Research.
    Vol.-46, No: 1&2, PP-87-91. [Anna University SET-1 Journal].

31. A. Srinivasan, V. K Madhavaragavan, S. Krishnamurthy, A. Mathialagan, "Advanced System for Hospital Management", Jul - Sep, 1998, Journal of Information Sciences,
    Vol.9, No.1, PP- 3-7.

32. A. Srinivasan, S. Krishnamurthi, A. Mathialagan, Oct-Dec, 1998 "An Effective System for the Spectral Characteristic Study of Cardiac Sound Signal", Journal of Information Sciences,
    Vol. 9, No.2, PP-49-58.

33. A. Srinivasan, V.K. Madhavaragavan, S. Krishnamurthi, A. Mathialagan, "A Novel Compression Technique for Medical Images- An aid Towards Faster Information Transfer".
    Jul - Sep 1998, Journal of Information Sciences.
    Vol.9, No.1, PP-29-36.

## Conference Papers - International/ National:

1. Dr.A. Srinivasan, a paper titled "An efficient image retrieval based on reranking by keyword and image visual characteristics" is accepted in IEEE international [Scopus Indexed] "International Conference on Computing of Communication" on 28th & 29th Mar'18 at Adhiparasakthi College of Engineering, Melmaruvathur.

2. Dr.A. Srinivasan, "Remote monitoring of hazardous gases in industries" is accepted in IEEE international [Scopus Indexed] "International Conference on Computing of Communication", on 28th & 29th Mar'18 at Adhiparasakthi College of Engineering, Melmaruvathur.

3. Srinivasan. A and T. Mary Suji, "A New Image Denoising System for 3D MR Image", The International Conference on "Image Processing Techniques & Applications" conducted by SASTRA, 6th & 7th Apr'12, Tanjore, Tamil Nadu, India, Published in SCOPUS indexed proceeding.

4. Srinivasan. A, C. Devi Priya., a paper titled "A novel Design for Face Recognition System Using Dual-Tree Complex Wavelet Transform" on 8th to 10th Apr'11.
   International Conference on Network and Computer Science - ICECT 2011, Kanyakumari, India. Accepted for Publication in IEEE Xplore and Indexed by the Ei Compendex and Thomson ISI(ISTP).

5. Srinivasan. A, Abijah S., a paper titled "A Unified Framework for Face Recognition by Using Sparse Representation", on 8th to 10th Apr'11.
   International Conference on Network and Computer Science - ICECT 2011, Kanyakumari, India. Accepted for Publication in IEEE Xplore and Indexed by the Ei Compendex and Thomson ISI(ISTP).

6. Srinivasan A, Suresh. J, Jeevan Eranti, a paper titled "Efficient Video Streaming in Wireless P2P network using HIS-MDC Technique", 10th & 11th Mar'1.
   Second International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2011. ITC, Bangalore, Karnataka, India, Accepted for Publication in IEEE Xplore and IEEE CS Digital Library.

7. Srinivasan. A, Suresh. J, Geetha Manjusha. M.B paper titled "gBeL: An Efficient Framework for e-Learning using Grid Technology" 10th & 11th Mar'11.
   International Conference on Advances in Communication, Network, and Computing – CNC 2011, Bangalore, Karnataka, India, published in Springer Digital Library.

8. Srinivasan. A, Arthi.S. L, a paper titled "Face Recognition System using Edge Weighted Centroidal Voronoi Tessellation and Bagging-AdaBoost Algorithm", 25th & 26th Feb'10.
   National Conference on Advanced Pattern Mining and Multimedia Computing-APMMC-2010, NIIT, Trichy.

9. Srinivasan. A, J. Suresh, A Damodaran, a paper titled "Performance analysis of various High-speed Data transfer protocols for Streaming Data in Long Fat Networks", Number: 91, 12th & 13th Mar'10.
   Proceeding of IEEE International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2010, Kochi, India.

10. Srinivasan A, S. Sharonpriya, a paper titled "Image and Video Denoising by Sparse 3-D Transform Domain using Atrous and Gabor Wavelets", 8th to 10th Aug'08.
    International Conference on Information Processing, (ICIP-2008), Bangalore, India.

11. Srinivasan. A Subhashini. S, a paper titled "Segmentation of Brain MR Images Using Charged Fluid Model and Gabor Wavelets". 8th to 10th Aug'08.
    Proceedings of Second International Conference on Information Processing, University of Visvesvaraya College of Engineering, Bangalore.

12. Srinivasan A, Bhuvaneswaran R.S. paper titled "A New Design for Face Recognition Using HGPP and Adaptive Binning Method", FCS'08, 14th to 17th Jul'08.
The 2008 International Conference on Foundations of Computer Science, Monte Carlo Resort, Las Vegas, Nevada, USA, [SCOPUS Indexed].

13. Srinivasan. A., a paper titled "A New Design for Image and Video Denoising by Sparse 3DTransform-Design Collaborative Filtering", 16th Feb'08.
Proceedings of the National Research Conference on Challenges & Innovations in Information Technology (CIIT- 2008), Kongu Engineering College, Erode.

14. Srinivasan. A. paper titled "A New Design for Segmentation of Brain MR Images using Charged Fluid Model", 16th Feb'08.
Proceedings of the National Research Conference on Challenges & Innovations in Information Technology (CIIT - 2008), Kongu Engineering College, Erode.

15. A. Srinivasan, C. Premnath and J. Ravikumar, a paper titled "A novel approach to device less computer access for disabled users", Paper ID: 245141201, 28th to 30th Nov'07.
Proceedings of IEEE International Conference on Advances in Computer Vision, Information Technology, Department of Computer Science and Engineering, University of Aurangabad ( Maharashtra State).

16. A. Srinivasan, C. Premnath and J. Ravikumar, a paper titled "Device less Computer Access for Disabled users", 16th & 17th May'07,
Proceeding of the National Conference on Current Trends of Information Technology – NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.

17. A. Srinivasan, M. Siddhartha, G. Shiva Sandeep, a paper titled "Rotation invariant Neural Network-Based Face Detection", 16th & 17th May'07.
Proceeding of the National Conference on Current Trends of Information Technology –NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.

18. A. Srinivasan and B. Kathiravan, paper titled "An Integrated Approach for Video Watermarking Using Integer – To - Integer Transform", 16th & 17th May'07.
Proceedings of the National Conference on Current Trends of Information Technology – NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.

19. A. Srinivasan and B. Kathiravan, a paper titled "A New Approach for Video Watermarking using S-transform", 2007.
Proceeding of the National Conference on Image processing and Pattern Recognition- NCIPPR-07, Bharath University, Chennai.

20. A. Srinivasan and L. Sai Ramesh, a paper titled "Least Squares Solution for Image Denoising", 2007.
Proceeding of the National Conference on Image processing and Pattern Recognition-NCIPPR-07, Bharath University, Chennai.

21. A. Srinivasan, J. Suresh, "Performance Evaluation of Three Routing Protocols for Real-Time Traffic Support in Mobile Ad hoc Networks".
Proceeding of the International Conference on 18th & 19th Dec'06 at Vellore Institute of Technology, Vellore, Tamil Nadu, India.

22. A. Srinivasan and J. Suresh, "GLASS: A Grid Enabled Library Access and Storage System".
24th & 27th May'06
Proceedings of 38th International Conference on the interface of statistics, computing science, and applications-INTERFACE-2006, Pasadena, California, USA.

23. A. Srinivasan, R. Rameshkumar and A. Damodaram, "Virtual Lock for Grid Enabled Virtual Organisation". Proceedings of 2nd National Conference on Networking & Distributed Computing-STREAK - 2006, Kamaraj College of Engineering & Technology, Virudhunagar.PP-21-26.

24. A. Srinivasan, R. Rameshkumar and A. Damodaram, "Security for Grid Infrastructure using Instant Key Generator (Crypt server)", 2006.
Proceedings of 2nd National Conference on Networking & Distributed Computing-STREAK - 2006, Kamaraj College of Engineering & Technology, Virudhunagar.PP-39-46.

25. A. Srinivasan and V. Thanikachalam, "An Approach for the Detection and Removal of Television Commercials", 6th & 7th Jan'06.
Proceedings of National Conference on "Emerging Trends in Computer Science and Engineering", K.S. Rangaswamy College of Technology, Tiruchengode, PP-108-112.

26. A. Srinivasan, Mr. R. Ramesh Kumar and Mr.Parathasarathy.V Mar'05, "Grid-Enabled Virtual Organization Based Dynamic Firewall".
New Trends in Distributed Computing & Networking (DCN-05), Tagore Engineering College, Chennai, PP-22-27.

27. A. Srinivasan, Mr. K. Thiagarajan and Mr. S. Ramapriyan, "Implementation of Bioinformatics using OOPS Concepts", Dec'02.
National Conference on Applications of Microcomputers (CONMICRO – 2002) conducted by Computer Society of India, (CSI), Thanjavur.

28. A. Srinivasan, Mr.S. Ramapriyan & Mr. K. Thiagarajan, Dec'02, "CORBA in Bio-Informatics".
National Conference on Applications of Microcomputers (CONMICRO –2002) conducted by Computer Society of India (CSI), Thanjavur.

29. A. Srinivasan, S. Krishnamurthi "Advances in Bio-Medical Engineering Through Computer and Information Technology".
Proceedings of the 4th Tamil Nadu Library Association Conference, Vol.1, PP-54-57, HITECH.

30. A. Srinivasan, S. Krishnamurthi and V.K. Madhavaragavan, "Study of Central Nervous System through Visual Evoked Response," 12th & 13th Mar'99.
National Workshop on Biomedical Engineering – The Indian Scenario, Vol.1, pp. C10-C21, Vellore, India.

31. A. Srinivasan, V.K. Madhavaragavan, S. Krishnamurthi, A. Mathialagan, "Cost-effective Management of Medical Image Information - An Application for Reconstruction of 3-D Angular planes from 2D - MRI Projection", Feb'99.
National Conference on " Role of IT in 21st Century: Challenges & Strategies, Jabalpur.

32. A. Srinivasan, V.K. Madhavaragavan, A. Mathialagan, S. Krishnamurthi, "An Efficient Compression for Medical Images", 12th to 14th Dec'96.
IEEE Proceedings of the International Conference on Biomedical Engineering., Vol.-II, PP. 19-20, CIT, Coimbatore, India.

33. A. Srinivasan, V.K. Madhavaragavan, A. Mathialagan and S. Krishnamurthi `HOSPACK' - An Effective Package for Hospital Management", 12th to 14th  Dec'96.
IEEE Proceedings of the International Conference on Biomedical Engineering. Vol.-I, PP. VIII - 19-22., CIT., Coimbatore, India.

34. A. Srinivasan, V.K. Madhavaragavan, "Design of a Simple Graphical Terminal using the Principles of Parallelism Approach Memory Parallelism Approach", Feb'95. National Level Technical Symposium (Channel 95), A.E.C, Melmaruvathur.

## Research Supervisor-ship:

| S.N | Degree | Completed | Ongoing |
|---|---|---|---|
| 1. | Ph.D. | 05 | - |
| 2. | M.Phil. (by Research) | 01 | - |
| 3. | M.E. | 21 | - |
| 4. | M.CA | 09 | - |
| 5. | B.E / B.Tech | 58 | - |

## Ph.D. - Guided as a Supervisor:

| S.N. | Research Scholar Name | Title of Research | University | Date of completion | Supervisor or Co-supervisor |
|---|---|---|---|---|---|
| 1 | J.Suresh | Design of Protocol for Multimedia Streaming and Services in Mobile Wireless Grids. | Faculty of Computer Science and Engineering, JNTU, Hyderabad - Reg No: 0603Ph0635; | Dec'13 | Supervisor |
| 2 | A.Gayathri | A Learning Framework for Image Denoising and Restoration. | Faculty of Information and Communication Engineering, Anna University - Reg No: 2923499750; | May'16 | Supervisor |
| 3. | S.Sadagopan | Studies on Brain Tissue Segmentation Methods from MR Images. | Faculty of Information and Communication Engineering, Anna University - Reg No: 2011114085; | Jan'20 | Supervisor |
| 4 | V.K.Gnanavel | A New Model to Improve the Efficiency in Video Coding Standard Using HEVC Techniques. | Faculty of Information and Communication Engineering, Anna University - Reg. No:2011114069; | Thesis Submitted, Reviewer Report Received on Apr'20. | Supervisor |
| 5. | G.Rohini | A New Model to Improve the Efficiency in Video Coding Standard using HEVC Technique. | Faculty of Information and Communication Engineering, Anna University - Reg.No: 1423499210; | Thesis Submitted, Reviewer Report Received on Apr'20 | Supervisor |

## Examiner for M.S. / Ph.D. Research Scholars - Ph.D. Thesis Reviewer / DC Member

| S.No | Ph.D. Thesis Reviewer as Indian Examiner count / Reviewer | Doctoral Committee Member | Faculty / Department | University |
|------|------|------|------|------|
| 1. | 02 | 08 | Faculty of Information and Communication. | Anna University |
| 2. | 01 | - | Department of Computer Science and Engineering. | Annamalai University, Chidambaram |
| 3. | 01 | | | University of Burdwan, West Bengal |
| 4. | 02 | 50 | Faculty of Computer Science and Engineering. | Satyabhama University, Chennai |
| 5. | . | 15 | | SRM Institute of Science and Technology, Chennai |
| 6. | | 01 | | Bharath Institute of Higher Education and Research. |
| 7. | | 01 | | Vinayaka Mission University, Salem |
| 8. | | 05 | | Avinashi lingam Deemed University, |
| 9. | | 12 | | AMET University, Chennai |

## Other Universities - Teaching Experience

| S. No | Institution | University | Course Thought | Year |
|------|------|------|------|------|
| 1 | SSN -SASE [MS Programme]. | Carnegie Mellon University, USA | Computer Vision. | 2006 -2008 |
| 2 | Manipal Higher Education, [MS - Program in Computer Science - Part Time]. | Manipal University, Mangalore. | 1. Database Management Concepts. 2. Grid Computing. 3. Datamining and Warehousing. | 2008 -2010 |

## Invited Lectures / Chair of The Session / Editor

| S.No | Title | Venue and Date |
|------|-------|----------------|
| 1 | "Information Retrieval". | Vel Tech High Tech Dr. Ranganathan, Dr. Shakuntala Engineering College, Anna University, Chennai Dt: 15th Dec'09. |
| 2 | "Impact of Gabor Wavelets in Biometrics". | National Workshop on Pattern Recognition and Image Analysis in Biometrics - NWPRIAB - 2014, Department of Software Engineering, Dt: 27th Jan'14, SRM University, Chennai. |
| 3 | "Research Issues in Cloud Computing". | DRDO Sponsored a two-day National Level Seminar on Research Issues in Cloud Computing, Department of Computer Science and Engineering, Sri Vidya College of Engineering and Tech, Virudhunagar, Anna University, Dt: 13th Oct'12. |
| 4 | "Recent Research Trend in Computer Science and Engineering Field". | Avinashi lingam Institute of Home Science and Higher Education for Woman University as Resource Person to deliver Special Invite Talk, Dt: 21st to 23rd Feb'12. |
| 5 | "Cloud-based Software Engineering". | Delivered a Special Lecture on Advances in Software Architecture Engineering Modelling Tools and Programming Practices, Dt: 28th May'13. |
| 6. | Session Editor – "Advanced Research on Computer Vision and Image Processing" [CVIVP] : FICTA-2014, Bhubaneswar (Orrisa), 14th & 15th Nov'14. | Session Editor |
| 7 | Springer – CSI : 48th Annual Convention Computer Society of India, Vishakhapatnam, Dt: 13th to 15th Dec'13. | Session Chair |

## Countries Visited – Professional Front @ Singapore and Sri Lanka

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