

**Dr.A.Venkata Subramanian**

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## EDUCATION

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**Ph.D** Computer Science and Engineering, Sathyabama University, Chennai Thesis:  
“Algorithm and VLSI architecture for Wavelet based image compression techniques”

**M.E** Computer Science and Engineering, VMRF, Salem.

**May 2007**

**M.Phil** Mathematics , Bharathidhasan University, Trichy.

**August 1998**

**M.Sc** Mathematics , National College Bharathidhasan University, Trichy.

**August 1998**

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## EMPLOYMENT RECORD

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Sl. No.	Name of Employer	Designation of Post	Duties Performed	Period
1.	Jayaram College Of Engineering & Technology, Trichy	Associate Professor & HOD	NBA/NAAC Coordinator Handling classes for PG students	2009 To Till
2.	Jayaram College Of Engineering & Technology, Trichy	Assistant Professor	Handled classes for UG and PG students	2008 To 2009
3.	Jayaram College Of Engineering & Technology, Trichy	Sr. Lecturer	Handled classes for UG and PG students	2003 To 2007
4.	Jayaram College Of Engineering & Technology, Trichy	Lecturer	Handled classes for UG and PG students	1997 To 2003

## HONORS AND AWARDS

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1. Member of NBA & NAAC coordinator for the institution.
2. Best paper award in ISTE convention held at VMRF university, Salem 2010.
3. Best paper award in International Conference held at Indonesia, June 2014.
4. Reviewer in International Journal of Image Processing & Visual Communication from 2013.
5. Member of TPC (Technical Program Committee) in ICIIP – 2013, ISWTA – 2013,14, ISCAIE – 2014, APMEDICAST – 2015.
6. Member of question paper setter for National Engineering College, Sri Krishna College of Engineering for the past 4 years.
7. Member of reviewer for more than Eight International Conferences sponsored by IEEE from 2012 – Till date.

## RESEARCH GRANTS

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- Received **Rs.16 lakhs** from AICTE, New Delhi, for entrepreneur development cell for past 4 years.
- Received **Rs.30 thousand** from CSIR, New Delhi, for conducting of national conference.

### List of Publications:

Books	Conferences		Journals	
	National	International	National	International
5	13	17	1	10

## PUBLICATIONS:

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### *Books Published*

1. Prof. A. Venkata Subramanian, Dr. N. Saivaraj, “Engineering Mathematics - II” ISBN NO: 978-93-80624-23-5 in Jaitech Publications, Chennai, 2009-2010.
2. Prof. A. Venkata Subramanian, Dr. N. Saivaraj, “Probability and Queuing Theory” ISBN NO: 978-93-80624-21-1 in Jaitech Publications, Chennai, 2009-2010.
3. Prof. A. Venkata Subramanian, Dr. N. Saivaraj, “Transforms and Partial Differential Equations” ISBN NO: 978-93-80624-08-2 in Jaitech Publications, Chennai, 2010-2011.

4. Prof. A. Venkata Subramanian, Dr. N. Saivaraj, “Probability and Queuing Theory” ISBN NO: 978-93-80624-57-0 in Jaitech Publications, Chennai, 2011-2012.
5. Prof. A. Venkata Subramanian, Dr. N. Saivaraj, “Engineering Mathematics – I (Revised Edition)” in Jaitech Publications, Chennai, 2011-2012.

### ***Journal Publications***

1. Venkata Subramanian, P. Rangaprabhu, G. Seetharaman “Implementation of one level and two level 2D DWT using ASIC” Advanced Science Letters Vol.20 Issue 10-12, ISSN : 1936672 EISSN : 1936-7317. ANNEXTURE-II
2. P. Rangaprabhu, A. Venkata Subramanian, G. Seetharaman “Field Programmable Gate Arrays and Application Specific Integrated Circuits Implementation of COordinate Rotation DIgital Computer Using Wave-Pipelined Circuits” Advanced Science Letters Vol.20 Issue 10-12, ISSN : 1936672 EISSN : 1936-7317. ANNEXTURE-II
3. T.N. Prabhakar, A. Venkata Subramanian, G. Seetharaman “FPGA IMPLEMENTATION OF ASYNCHRONOUS OFDM” Pen see journal Vol 76, No. 6;Jun 2014, Pages: 220- 224. ANNEXTURE-II
4. Venkata Subramanian, G. Seetharaman “SOC IMPLEMENTATION OF WAVE-PIPELINED 2D DWT (Design and Implementation of Wave pipelined circuit using reconfigurable technique)” Pen see journal Vol 76, No. 11; Nov 2014, Pages: 268 – 278. ANNEXTURE-II
5. Venkata Subramanian , Vinoline a proposal of a precess model to create a Test Factory international journal of computational intelligence techniques, vol 1, issue 1, pp. 14-19, 2010.
6. Venkata Subramanian , Karthieswaran, Dhinagar a a biometric authentication via fingerprint recognition instead of password protection, journal of computational intelligence in bioinformatics vol 4, issue 1, pp. 19-27, 2011.
7. Venkata Subramanian , Karthieswaran, Dhinagar a embedding sign representation in mobile phones to assist disabled, journal of computer technology and application vol 2, pp. 42-47, 2011.
8. Venkata Subramanian , G.Prabu, Outsourcing Software Activity, International Journal of Communication, Computation & Innovation vol 1, issue 1, 2011.
9. A.Venkatasubramanian and Latha V “An efficient micro strategy for mobile business intelligence” in the National Journal on Mobile commerce at pp. 123-127, 2013.

10. Venkata Subramanian, G. Seetharaman “A modified algorithm for salt and pepper noise in colour images” Wulfenia journal Vol 22, No. 03; Mar 2015.  
ANNEXTURE-I
11. Venkata Subramanian, G. Seetharaman,shabber “ASIC Implementation of one level 2D DWT and 2D DWT in Hybrid Wave-Pipelining & Pipelining”JSIR VOL 74  
NOV 2015 PP 609-613.

### *Articles*

#### *National Conference & International Conference Papers*

1. Venkatasubramanian. A, Rengaprabhu. P and Seetharaman. G, “System on Chip implementation of wave-pipelined 2D DWT” in the WORLDCOMP-2011, International conference on embedded system applications at Las Vegas, Nevada, July 18-21, 2011, USA, Pages: 207-213.
2. Rengaprabhu. P, Venkatasubramanian. A, Parasuraman. S, Marimuthu. M and Seetharaman. G, “Design and Implementation of SOC and BIST based Wave-Pipelined Circuit” in the WORLDCOMP-2011, International conference on Embedded system applications at Las vegas, Nevada, July 18-21, 2011, USA, Pages: 200-206.
3. Venkatasubramanian. A, Rengaprabhu. P and Seetharaman. G, “Implementation of Hybrid Wave-pipelined 2D DWT Using ASIC” in the 3rd IEEE International Conference on Intelligent Systems, Modelling and Simulation, ISMS2012, at Kota Kinabalu, Sabah, Malaysia, 8 – 10 February 2012, Pages: 368-373.
4. Rengaprabhu. P, Venkatasubramanian. A and Seetharaman. G, “Design and Implementation of Automated Wave-Pipelined Circuit Using ASIC” in the 3rd IEEE International Conference on Intelligent Systems, Modelling and Simulation, ISMS2012, at Kota Kinabalu, Sabah, Malaysia, 8 – 10 February 2012, Pages: 351-355.
5. Venkatasubramanian. A, Seetharaman. G, Prabakar. T.N. and Sheeba, “A Modified Algorithm for Removal of Salt and Pepper Noise in Color Images” in the 3rd IEEE International Conference on Intelligent Systems, Modelling and Simulation, ISMS2012, at Kota Kinabalu, Sabah, Malaysia, 8 – 10 February 2012, Pages: 356-361.

6. Venkatasubramanian. A, Rengaprabhu. P and Seetharaman. G, "ASIC Implementation of One Level 2D-DWT Using Wave-Pipelining" *IEEE- Asia Modeling Symposium 2013, (AMS2013) Hong Kong, 23 July 2013, Pages: 172-175.*
7. Rengaprabhu Paramasivam\$, Venkatasubramanian Adhinarayanan#, Seetharaman Gopalakrishnan FPGA and ASIC implementation of CORDIC using wave-pipelined circuits ISTIE 2014 (Indonesia) Page. 530-534.
8. Venkatasubramanian Adhinarayanan# , Rengaprabhu Paramasivam\$ , Seetharaman Gopalakrishnan Implementation of one level and two level 2D-DWT using ASIC, ISTIE 2014 (Indonesia) Page.535-539.
9. A.Venkatasubramanian, R. Rajeesh, "AAQM" for ITC and Congestion control in End-To-End Networks in National conference on computer science and application held at Annamalai Univeristy – 2008.
10. A.Venkatasubramanian,M.Premalatha "Course assessment program" ISTE annual convention at Salem. 2009.
11. A.Venkatasubramanian,M.Premalatha,E.Silambarasan,"SequentialBayesian Approach for Software Reliability Measurement" in the International Conference on Mathematical Computing and Management held at Mar Athanasios College for Advanced Studies Thiruvalla(MACFAST) on 17<sup>th</sup> to 19<sup>th</sup> June 2010.
12. A.Venkatasubramanian,J.Sridevi, E.Silambarasan, "Optimizing free space optics for city wide wireless networks" in the International Conference on Innovative Research in Engineering and Technology, Park College of Engineering and Technology, Coimbatore. On 12<sup>th</sup> August to 14<sup>th</sup> August 2010
13. A.Venkatasubramanian, E.Silambarasan, J.Sridevi, "Automated Speed Control" in the National Conference on Advanced Communication ,Saranathan College of Engineering,Trichy on 27<sup>th</sup> and 28<sup>th</sup> August 2010
14. A.Venkatasubramanian,E.Silambarasan,J.Sridevi, "Network Security Situation Awareness Technology Based on Artificial Immunity System" in the National Conference on Mobile Ubiquitous Computing,Systems,Services and Technologies, Oxford Engineering College on 17<sup>th</sup> and 18<sup>th</sup> Septemeber 2010.
15. A.Venkatasubramanian, V.Vinoline, M.Premalatha "Effective Email Spam Reduction using captcha's and extend user id" International Conference on MEMS and

- Optoelectronic Technologies, Swarnandhra College Of Engineering & Technology  
Narsapur, AP – 22.23 December 2010.
16. Venkatasubramanian, D. Karthikeswaran, S. Dinakar, C. Marikkani, V. Abimaniya  
“ A Collaborative intrusion detection system using log server and neural networks”  
national conference on Mobile ubiquitous systems services and technologies 2010.
  17. Venkatasubramanian,V. Latha, V. Prasanna Venkataesh “ A method representation  
for mobile location in cellular communication system” national conference on Mobile  
ubiquitous systems services and technologies 2010.
  18. Venkatasubramanian, Navaskhan, J. Sridevi “Network security situation awareness  
technology based on artificial immunity system” national conference on Mobile  
ubiquitous systems services and technologies 2010.
  19. A.Venkatasubramanian, “Security Issues In Cloud Computing” in the National  
Seminar on Emerging Trends In Cloud Computing held at Jayaram College of  
Engineering & Technology (Hot Clouds) on 20<sup>th</sup> Aug 2010.
  20. A.Venkatasubramanian, “International Conference on Modelling, Control,  
Automation and Communication” held at Velammal Engineering College, Chennai,  
20, 21 Dec 2010.
  21. Venkatasubramanian. A, Rajendhran.D, Senthil Kumar.S “Development of a soft  
network model to improve supply chain managment performance of SMEs” national  
conference on trends and research in management 2011.
  22. Venkatasubramanian. A, Rajendhran.D, Senthil Kumar.S “The role of inventor in  
supply chain management” national conference on trends and research in  
management 2011.
  23. Venkatasubramanian. A, Rajendhran.D, Senthil Kumar.S “A guide for QFD  
implementation in product development” national conference on trends and research  
in management 2011.
  24. A.Venkatasubramanian, V.Latha, J.Sridevi, S.Premanand “ Fingerprint encoding in  
ATM System” in national conference on innovations in computing methodologies –  
16.12.2011.
  25. A.Venkatasubramanian, V.Latha “A Dynamic Resource Allocation Method for  
Examination Result Mining” International Conference on Advances in Engineering,  
Science and Management-march 2012.

26. A.Venkatasubramanian, V.Latha, V.Parasannavenkadesh “ A Dynamic Resource Allocation Method for Examination Result Mining” In International Conference on Advanced in Engineering Science and Management March 30, 31 2012.
27. A.Venkatasubramanian, M.Premalatha, E.Silambarasan, “Utilising and idle workstations in network for data processing” in national conference Emerging trends in engineering technology and applied sciences held at MVR college of Engineering and Technology, Andhrapradesh.
28. .Venkatasubramanian, J.Sridevi “E-learning for Visually Challenged” in Second International Conference on Competency Building Strategies in Business and Technology for Sustainable Development on 22.02.2013.
29. A.Venkatasubramanian, V.Latha “Heteroginity Management in Soft grid” International Conference on Women in Computing held at amirtha university 2013.
30. Venkatasubramanian,premanand “Knowledge characteristics and efficiency for data classification using WEKA tool” Second International Conference on Competency Building Strategies in Business and Technology for Sustainable Development at sri ganesh school of business Coimbatore, Feb 2013.

#### **PRESENTATIONS AND INVITED LECTURES**

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1. A Seminar on “Introduction to NBA- New Norms " at Hotel Sangam for anna university affiliated college, Trichy, held on 01.10.2009.
2. Paper presentation session judge in National level Technical Symposium MILLINA '09, at Shri Angalamman College of Engineering & Technology, Trichy.
3. Paper presentation session judge and delivered a lecture National Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies, Oxford Engineering College on 17<sup>th</sup> and 18<sup>th</sup> September 2010.
4. A Seminar on “Six Sigma” held at OEC on 21.08.2010.
5. A Seminar on “Importance of Mathematics Engineering Education” held at SACET on 14.10.2011.
6. A Seminar on “Vedic Mathematics” held at OEC trichy on 14.09.2011.
7. Workshop on “Web services” held at OEC trichy on 25.02.2011.
8. A Seminar on “Security issues in cloud computing” OEC trichy on 16.03.2012.

9. A Seminar on “Restoration and Enhancement” SDP (AICTE) held at JCET on 13.05.2013.
10. A Seminar on “Image and Multimedia Compression” SDP (AICTE) held at JCET on 22.05.2013.
11. Present a Lecture on “Hardware and Software Code Design” FDP (Anna University) held at OEC on 15.12.2014.
12. A Lecture on “NPTEL and its uses by QIC Anna University” held at OEC trichy on 30.01.2014.

#### **PROFESSIONAL TRAINING ATTENDED & ORGANIZED**

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1. Organized Two days workshop on “Trends in Distributed System”, August 21st & 22nd 2002.
2. Organized First National Conference on “Recent Computing Techniques” March 9th & 10th, 2007.
3. One Day workshop on “Introduction to NBA- New Norms and Forms” at Anna University, Trichy, held on 01.10.2009.

#### **PROFESSIONAL AFFILIATIONS**

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1. Member, Computer Society of India
  2. Annual Member in IEEE
  3. Life Member, Indian Society for Technical Education
  4. Life member in International Association of Engineers (IAENG)
- United states of America (2011)
  - Hong Kong (2013)
  - Malaysia (2012)

#### **PROFESSIONAL SERVICE**

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##### **Organizer**

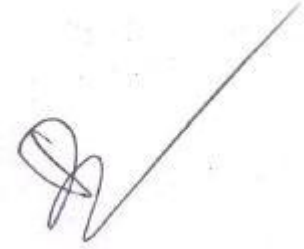
1. Three national conferences (One is sponsored CSIR)
2. ISTE staff and student chapter coordinator.
3. Member of CII – Education panel.
4. Certified lead auditor for ISO standards.



**DECLARATION**

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I hereby certify that the information furnished above are correct and complete to the best of my knowledge and belief.

A handwritten signature in black ink, consisting of a stylized initial 'A' followed by a long, sweeping horizontal line that extends to the right.

SIGNATURE

Place : Tiruchirapalli

Date : 18/09/17

(A.VENKATASUBRAMANIAN)