

CURRICULUM VITAE OF Dr.R.SESHADRI

- 1. Name** : **Dr.R.SESHADRI**
- 2.Designation** : Director
University Computer Centre
Sri Venkateswara University
Tirupati – 517 502
Andhra Pradesh
- 3.Date of Birth** : 18-12-1959
- 4.Address for Communication** : 3-2-41, Vidyanagar Colony
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- 5.Academic Qualifications** :

Exam Passed	Board / University	Subject	Year	Division/Grade
B.Tech	Nagarjuna University Guntur District Andhra Pradesh	Electronics & Communication Engg.	1981	I
M.E.	P.S.G.College of Technology Coimbatore Tamil Nadu	Control Systems Engg.	1984	I
Ph.D.	Sri Venkateswara University, TIRUPATI Andhra Pradesh	Simulation, Modelling & Compression of E.C.G. Data Signals. (Data compression Techniques) Electronics & Communication Engg.	1998	

6. Work Experience :

1984 – 1985	Lecturer	NBKR Institute of Technology Vidyanagar Nellore(Dt).A.P.
1985 – 1986	Lecturer	Bangalore Institute of Technology Bangalore
1987 – 1989	Technical Officer	A P Electronics Development Corporation Ltd Hyderabad
1989 – 2003	Associate Professor Cum SME	Computer Centre Sri Venkateswara University Tirupati, A.P.
2003 – 2005	In-charge Director	Computer Centre Sri Venkateswara University Tirupati
2005 – Till date	Director	Computer Centre Sri Venkateswara University Tirupati.

7. Visits Abroad :

1. United States of America during the year 2011

8. RESEARCH GUIDANCE :

SNo	Name of Research Scholar	Degree	Topic of research	Year of Registration / Awarded	Submitted thesis / Under guidance
1	Dr.Yaswanth Kumar Avulapati	PhD	“ Human Finger Print Classification and Matching using sweat pores”.	2012	Awarded
2	M.Sreedevi	PhD	A frame work to improve virtual private network architecture for secure data transmission using CMT-Multi homing	2013	Submitted
3	N.Penchalaiah	PhD	Data Transmission in wireless sensor networks using an efficient approach for improved noise reduction and congestion control	2013	Submitted
4	S.Venkateswarlu	PhD	Web Based Applications	2006	Pursuing
5	T. Raghu Trivedi	PhD	Cryptography & Network Security	2006	Pursuing
6	T.Chalama Reddy	PhD	Network Security	2006	Pursuing
7	E. Kamalanaban	Ph.D	Intrusion Detection System for Detecting Malicious Signatures in Active Networks	2008	Pursuing
8	K.Kamakshaiah	PhD	Data Mining	2010	Pursuing
9	C.Siva Balaji	PhD	Mobile Computing	2010	Pursuing
10.	K. Vijaya Bhaskar	Ph.D	Sensor Networks	2010	Pursuing
11.	R. Swathi	Ph.D	To be decided	2014	Pursuing
12.	K. Padmaja	Ph.D	To be decided	2014	Pursuing

9. Area of Interest :

Computer Networks and its Security, Adhoc Networks, Data Mining, Image Processing, Bio-Medical Applications.

10. Seminars, Conferences, Symposia Work shops etc. :

1. 19th National systems Conference, P.S.G.College of Technology, Coimbatore Dec 14-16, 1995
2. Zonal seminar on Neural Networks, IETE, Vijayawada, November 20-21, 1997
3. Underwent training programme on Network management organized by M/s ERNET, New Delhi from 21-04-2003 to 26-04-2003.
4. Participated in the Workshop /Officers/Deans By UGC-Academic Staff College, S V University from 22-03-2005 to 23-03-2005.
5. Horsepower of the Human Heart – a simple method of Calculation. Proceedings of 5th National Conference of Bio-Mechanics, Indian Institute of Technology, Madras, February, 22-23, 1996.
6. Attended International conference on Information Technology for social advancement and integration at Sri Sathya Sai Institute of Higher Learning, Puttaparthi, during the year 2006.
7. International Conference Systemics, Cybernetics and Informatics ICSCI – 2008 presented a paper titled “Enhancement of network security by preventing malware Execution”. Hyderabad. From January 02-01-2008 to 05-01-2008.
8. International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences presented a paper entitled “Security Modeling Benefits to the Developer”. From 13-14 January, 2008 at Rajkot.
9. Presented a paper “Ethics and the Internet: Hacking and Hacker Ethics” at International Seminar on Organizational Ethics, 29-02-2008 Organized by Dept of Management Studies, Sri Venkateswara University, Tirupati.
10. Presented a paper “Security Issues in Biometric Authentication” at National Conference on “Emerging Trends in Computer Science and Engineering, on 12-13, March, 2008, Organized by Dept of Computer Science, Sri Padmavati Mahila Visvavidyalayam University, Tirupati.
11. Presented a paper “Hacking :The Basis” at National Conference on “Emerging Trends in Engineering, on 16-17, April, 2008, Organized by Sri Venkateswara Perumal College of Engineering and Technology, Tirupati

12. Presented a paper "Online Banking" at National Seminar on "Computer Science and its Applications in Traditional Shastras", on 13-14, February, 2009, Organized by Dept of Computer Science, Rashtriya Sanskrit University, Tirupati.
13. M.Sreedevi, Dr.R.Seshadri, "A secure Interconnection of LDAP and DNSSEC PKI", a paper published in National Conference on Recent Issues in N/W Galaxy (RING'09), organized by RMDCE, December, 7-8, 2009, Thiruvallur, T.N.
14. M.Sreedevi, Dr.R.Seshadri, "VOIP flooding attack detection system", a paper published in National Conference on CTIA, K.S.R. C. E, Dept of CSE, Tiruchengode, TN, 13th Oct 2010.
15. Presented a paper "A Review of Fingerprint Identification System" at Second International Conference on "Advanced Computing & Communication Technologies for High Performance Applications" on 7-10, Dec, 2010, Organized by Dept of Computer Science & Engineering, FISAT, Angamaly, Kerala. ISBN - 978-81-910692-0-4.
16. M.Sreedevi, Dr.R.Seshadri, "Attempting Security Vulnerabilities in VPN-Based Wireless Exploitations", a paper published for International Conference ISCO, 6 - 7 January 2012, Karpagam, TN, India
17. M.Sreedevi, P.Venkataramana, & Dr.R.Seshadri, "Secured Data Transmission Using Snort Rules and mining Techniques", a paper published for International Conference on Computer Science and Information Technology (CSIT)-2012, 19th May, 2012, Bangalore
18. M.Sreedevi, N.Khader Valli, & Dr.R.Seshadri, "Self configurable re-link establishment using continuous neighbour discovery in asynchronous wireless sensor networks", a paper published for International Conference on Computer Science and Information Technology (ICCSIT), 10th June, 2012, Tirupati
19. Presented a paper "Wavelet Transform Based Dental Image Registration for Aligning Dental Radiographs" APSCHE Sponsored National Conference on Computer Science, Engineering and Applications CSEA – 2012 Nov 9th & 10th, 2012. Organized by Department of Computer Science Sri Padmavati Mahila Visvavidyalayam, Tirupati.
20. Presented a paper "A Novel Approach for Recognition of Human using Ear Biometrics" in International Conference on Advanced Computer Science and Technology, Dec 9th, 2012. Organized by ITR Research, Visakapatnam. Proceedings of International Conference on Advanced Engineering & Technology (ICAET), ISBN:978-81-925751-8-6.

21. Presented a paper “A Novel Approach for Recognition of Human based on Physical & Behavioral characteristics” in International Conference on Advanced Computer Science and Technology, Feb 15th, 2013. Organized by ITRResearch, Proceedings of International Conference on Advanced Engineering & Technology (ICAET) ,ISBN:978-93-82702-13-9.
22. Presented a paper “A New Approach for Recognition of Human based on Multimodal Biometrics System” in International Conference on Electrical,Electronics and Data Communication(ICEEDC) Feb 15th, 2013. Organized by ITRResearch, Proceedings of International Conference on Advanced Engineering & Technology (ICAET), ISBN: 978-93-82702-13-9.
23. Presented a paper “Multimodal Fusion for Video Search Reranking” in International Conference on Electrical, Electronics and Computer Engineering (IACEECE) October 27th, 2013. Organized by ITRResearch , Proceedings of 10th,IRAJ International Conference on ICCSME & IACEECE, ISBN: 978-93-82702-36-8.
24. Presented a paper “Field Programmable Gate Array Based Real Time Brain Image Segmentation for Medical Record Processing” in International Conference on Computer Science and Mechanical Engineering(ICCSME) October 27th, 2013.Organized by ITRResearch, Proceedings of 10th,IRAJ International Conference on ICCSME & IACEECE, ISBN: 978-93-82702-36-8.
25. Presented a paper “Fusion Levels of Biometric Identification System ” in International Conference on Electrical Electronics Computer Science and Mechanical Engineering(ICEECSME-2013) November 24th, 2013. Organized by Institute of Research & Journals, Proceedings of the IRAJ,ICEECSME-2013. ISBN: 978-93-82702-40-5.
26. Dr. R. Seshadri, attended Training Programme on Right to Information Act , organized by Dr. MCR HRD Institute of A.P, Hyderabad, 24th to 26th Mar, 2014

11. International/ National Journals

1. Correlation of ECG and Electrical Axes of the Heart. IE(I) Journal ID, Vol.75, March 1995.
2. Mathematical modeling of the Electro Cardiogram. IE (I) Journal ID, Vol.76, September 1995.

3. An IC ECG Simulator. IETE Technical Review. Vol.13, No.2 March-April 1996, PP.119-123.
4. An abridged protocol stack for micro controller in place TCP/IP Journal of Discrete Mathematical Sciences & Cryptography Vol. 9(2006), No.3, PP 523-536.
5. Prof.N..Penchalaiah and Dr.R.Seshadri “Effective Comparison and Evaluation of DES and Rijndael Algorithm (AES)” published in (IJCSE) International Journal on Computer Science and Engineering, Vol. 2, No. 05, 2010
6. Dr.R.Seshadri, YaswanthKumar.Avulapati”High performance Fingerprint Identification system” International Journal of Computer Science and information security (IJCSIS) Vol .8, No 4, July 2010. ISSN -1947-5500.
7. T. chalama reddy, M. giri and Dr.R. sheshadri “ a survey paper on security enhancement in wireless ad-hoc networks “ published in International Journal of Multidispl.Research & Advcs. in Engg.(IJMRAE), ISSN 0975-7074, Vol. 2, No. II, July 2010, pp. 239-27
8. Prof.N..Penchalaiah and Dr.R.Seshadri “Performance of TCP/IP/ UDP adaptive header compression algorithm for wireless network” published in (IJCSE) International Journal on Computer Science and Engineering, Vol. 2, No. 05, 2010
9. Dr.R.Seshadri, YaswanthKumar.Avulapati” Fingerprint Image Enhancement using Successive Mean Quantization Transform(SMQT),International Journal of Computer Science and information security(IJCSIS) Vol .8,No 5,Aug 2010. ISSN -1947-5500
10. Dr.R.Seshadri, YaswanthKumar.Avulapati ”Clinical Data Warehouse on Insect Vector Diseases to Human of Andhra Pradesh” International Journal of Computer Science and information security(IJCSIS) Vol .8,No 5,Aug 2010. ISSN -1947-5500
11. Dr.R.Seshadri,and YaswanthKumar.Avulapati “Review of Biometrics Characteristics and their Applications ”Computer Society of India(CSI)Communications Vol .34,Issue No 6,Sep 2010.ISSN -0970-647X
12. Dr.R.Seshadri, YaswanthKumar.Avulapati” Concealing the Level-3 Features in a Facial Image” International Journal of Computer Science and Engineering(IJCSE) Vol .02,No 8,2010. ISSN -0975-3397.
13. Dr.R.Seshadri,YaswanthKumar.Avulapati”Hybrid Fingerprint Image Compression and Decompression Techniques” International Journal of Computer Science and information security(IJCSIS) Vol .8,No 6,Sep 2010. ISSN -1947-5500

14. Dr.R.Seshadri, YaswanthKumar.Avulapati “Parallel Printer Port for Phase Measurement” (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 1, No. 4 ,October 2010. ISSN- 2156-5570.
15. Dr.R.Seshadri, YaswanthKumar.Avulapati” Combining Level-1,2&3 Classifiers for Fingerprint Recognition system” International Journal of Computer Science and information security(IJCSIS) Vol .8,No 7,Oct 2010. ISSN -1947-5500
16. Dr.R.Seshadri, YaswanthKumar.Avulapati”Preventing Attacks on Fingerprint Identification System by Using Level-3 Features” International Journal of Computer Science and information security(IJCSIS) Vol .8,No 7,Oct 2010. ISSN -1947-5500
17. M.Sreedevi, Dr.R.Seshadri,“Web application SQL-Injection Preventer”, International Journal of computer applications in engineering, technology and sciences (IJ-CA-ETS), ISSN: 0974-3596 | Oct ’10 – March ’11 | Volume 3: Issue 1, AES, Sangli, INDIA
18. Yaswanth Kumar Avulapati,Dr.R.Seshadri, Dr.M.Usha Rani, S.Suneetha,” Text Clustering Based on Frequent Items Using Zoning and Ranking” International Journal of Computer Science and information security (IJCSIS) Vol .9,No 6,Jun 2011.ISSN -1947-5500.
19. Sreedevi, Dr.R.Seshadri ,“Advanced Security Architecture for Multi-homed Virtual Private Networks”, American Journal of Scientific Research(AJSR),Euro journals Publishing ,Inc., Issue 22, August 2011, ISSN 1450-223X, U.K..
20. M.Sreedevi, Dr.R.Seshadri, “IPSec and VPN security: recital scrutiny and improvements”, The Technology World, Volume III, Issue3, SEP’11, ISSN 2180-1614, Malaysia
21. Dr.R.Seshadri and Prof.N.Penchalaiah “ METHOD FOR REDUCING OF NOISE BY IMPROVING SIGNAL-TO-NOISE-RATIO IN WIRELESS LAN” published in International Journal of Network Security & Its Applications (IJNSA), Vol.3, No.5, Sep 2011
22. Dr.R.Seshadri and Prof.N.Penchalaiah “Noise Analysis and Detection Based on RF Energy Duration in wireless LAN” published in International Journal of Distributed and Parallel Systems (IJDPS) Vol.2, No.5, September 2011.
23. Dr. R. Sheshadri , T. Chalama Reddy “Confidentiality and Authentication for Secure Communication “ published in International Journal of Computer Information Systems, Vol. 3, No. 4, 2011 October Issue Page 102 of 116 ISSN: 2229 -5208
24. Dr.R.Seshadri and Prof.N.Penchalaiah “Improving Secure Communication and Life Time of Wireless Sensor Networks “ published in International Journal of Computer Information Systems. Vol. 3, No. 4, 2011
25. Dr.R.Seshadri, and Prof.N.Penchalaiah “Improving Quality of Service from TCP/IP Performance Degradation” published in International Journal of Engineering and Technology Vol.3 (1), 2011, 20-24
26. M.Sreedevi, Dr.R.Seshadri, “Comparative and Cryptanalysis among Various Key Sizes of Advanced Encryption Standard”, International Journal of computer

- science & management systems (I J C S M S) , Vol.3,Number 2, December 2011, pp. 99-107,Serial publications, New Delhi..
27. Dr.R.Seshadri and Prof.N..Penchalaiah “Improving the more security in data transmission by using dynamic key And router updating techniques” published in International Journal of Advanced Research in Computer Science and Software Engineering. Volume 2, Issue 1, January 2012 ISSN: 2277 128X.
 28. M.Sreedevi, Dr.R.Seshadri, “An innovative kind of Security Protocol Using fusion Encryption in Virtual Private Networking”, International Journal of Distributed and Parallel systems (IJDPS), January 2012, Volume 3, Number 1,ISSN: 2229- 3957, AIRCC, France.
 29. M.Sreedevi, Dr.R.Seshadri, “An Assessment Between Layer-Based Protocols For Design And Development Of Virtual Private Networks“, International Journal of engineering research and industrial applications (IJERIA), Vol.5, No.1, February 2012, ISSN 0974-1518 ,Ascent Publication House, Pune, Maharashtra, INDIA
 30. Dr. R. Sheshadri , T. Chalama Reddy & N. Ashok Kumar (2012): “Web-based-secure online non-choice –based examination system (wones) using cryptography”, published in Journal of Discrete Mathematical Sciences and Cryptography, ISSN: 0972-0529 15:6, 353-368.
 31. M.Sreedevi, Dr.R.Seshadri,”A Frame work to Improve Virtual Private Network Architecture for Secure Data Transmission using CMT-PA and Multihoming”, International Review on Computers and Software (IRECOS), Jan-July 2012 Praise worthy prize publications, USA, ISSN: 1828-6003.
 32. Dr.R.Seshadri and Prof.N..Penchalaiah “Achieving Effective Noise Reduction by Using SSBLFNR Algorithm” published in International Journal of Advanced Research in Computer Science and Software Engineering Volume 3, Issue 6, June 2013 ISSN: 2277 128X
 33. Dr. R. Sheshadri , T. Chalama Reddy “ New Design of Crypto-Based Pseudo random number generator (CBPRNG) using BLOW FISH cipher” published in International Journal on Computer Science and Engineering (IJCSE) ISSN : 0975-3397 Vol. 5 No. 06 Jun 2013 561-566.
 34. Dr.R.Seshadri and Prof.N..Penchalaiah “TCP PIPE Algorithm for Obtaining high Throughput by using Dynamic Change of Congestion Window and Effective Control of Congestion in WSN’s” published in International Journal of Advanced Research in Computer Science and Software Engineering , Volume 3, Issue 7, July 2013 ISSN: 2277 128X
 35. Dr. R. Sheshadri , T. Chalama Reddy “Design of new protocol for secure communication of Messages” published in International Journal of Scientific & Engineering Research, Volume 4, Issue 7, July-2013 1686 ISSN 2229-5518 IJSER © 2013 <http://www.ijser>.

36. Dr.Yaswanth Kumar Avulapati, Dr.R.Seshadri,“ Field Programmable Gate Array Based Real Time Brain Image Segmentation for Medical Record Processing”, International Journal of Advanced Computational Engineering and Networking,(IJACEN) ISSN: 2320-2106, Volume-1, Issue-9, Nov-2013
37. Dr. R. Sheshadri , T. Chalama Reddy “Reputation-Based Dynamic Trust Evaluation Model for Multi-Agent Systems Based on Service Satisfaction” published in International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 4, Issue 6, June 2014) 158 -168

12. Projects Implemented and funds generated :

- (A) Executed the Campus Computer network by connecting all the wings of the university. Proposals were submitted to UGC and UGC sanctioned Rs.50 lakhs for this project and the same has been executed during the year 2003.
- (B) Submitted proposals for up gradation of Computer Centre during the year 2005, to UGC and UGC has sanctioned 25 lakhs. This funds were utilized for the purpose of Procurement of Centralized server for Intranet Communication and for additional software.
- (C) Self supporting course M.Sc(I.S) was started during the year 2001 and Rs.70 lakhs was generated out of this programme. I acted as Co-ordinator for this programme.
- (D) Certificate courses on computer languages are organizing by the computer centre and around 10 lakhs is getting generated every year out of this programme.

13. Extension work/community service :

- (A).Participated in the data processing of Micro level planning organized by Govt of A.P. from 2000 – 2004.
- (B) Participated in the clean and green programme of the university from 2000 to 2004

14. Guided projects :

1. B.Tech (C.S.E)
2. M.Sc(I.S)
3. P.G.D.C.A

15. Membership / participation in bodies / committees on education.

- (A) Chairman of B.O.S for B.C.A. Course.
- (B) Member of the B.O.S for M.Sc (I.S) Course
- (C) Member of local co-ordination committee of Distance Education S.V.University.
- (D) Member of the Computer purchase committee of S.V.University.
- (E) Acted as a member for various Academic/Technical committees constituted by the state Govt. / University for granting recognition to the New courses.
- (F) Acted as Co-convener for BCA.CET – 97 and 98 for conducting Entrance Test and made Admissions.
- (G) Member BOS in Dept of Computer Science Engineering, V.R. Siddartha Engineering College, Vijayawada.
- (H) Member Academic Senate, Sri Venkateswara University, Tirupati.