

Curriculum Vitae

Personnel Details

Name : **Dr. D. S. R. Murthy**
Date of Birth : 14 – 06 – 1960
Sex : Male
Marital Status : Married
Nationality : Indian
Religion : Hindu
Permanent/Communication Address : 404, Block – 1, Kshatriya Towers
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Academic Qualifications

Programme	Specialisation	University	Year	Division
B. E.	Electronics	Bangalore	1982	First
M. Tech	CSE	Osmania	1985	First with Distinction
Ph. D.	CSE	JNTUH	2011	---

Professional Experience

Post	College	Duration
Lecturer in CSE	REC, Warangal	Sep. 1985 – Feb. 1993
Assistant Professor in CSE	JNTUCE, Anantapur	Feb. 1993 – May 1998
Visiting Professor	SKD University, Anantapur	1993 – 1998
Visiting Professor	Dr. BRAOU Study Centre, Anantapur	1993 – 1998
Expert Member	DOEACC, New Delhi	1994 – till date
Academic Coordinator	Icfaian School of Management, Hyderabad	May 1998 – May 2001
Visiting Professor	Dr. BRAOU Study Centre, Hyderabad	1998 – 2001
Associate Professor in CSE	SNIST, Hyderabad	May 2001 – Sep. 2004
Visiting Professor	Wipro-BITS WASE Programme	Jun 2004 – till date
Professor in IT	SNIST, Hyderabad	Oct. 2004 – till date
Visiting Professor	NFC–Gurukul, Hyderabad	Feb. 2008 – till date
Visiting Professor	Mahindra Satyam- BITS MSSE Programme	Jun 2010 – till date

Administrative Experience

Post	College	Duration
HOD, CSE	JNTUCE, Anantapur	Jan 1996 – Jan 1998
EC Member	Computer Society of India Hyderabad Chapter	2002 – 2005
Professor incharge, JNTU OLE	SNIST, Hyderabad	Oct 2004 – Nov 2007
EDC Coordinator	SNIST, Hyderabad	Aug 2004 – Aug 2008
Member, BOS for B. Tech (CSE)	GPREC, Kurnool SKDUniversity	2004 – 2010
HOD, IT	SNIST, Hyderabad	Apr. 2005 – May 2006
HOD, IT	SNIST, Hyderabad	Oct. 2007 – Feb. 2009
Membership Committee Member	IETE Hyderabad Chapter	2008 – 2010
Member, BOS for MCA	SRKPG College (Autonomous) Nandyal, SKDUniversity	Aug 2010 – till date
Chief Superintendent of Exams (Autonomous)	SNIST, Hyderabad	Feb. 2011 – to date
Member, BOS for MCA	CVSR College of Engineering (Autonomous), Hyderabad, JNTUH	Jul 2012 – to date

Professional Memberships

Membership	Organisation	Since
Life Member	ISTE, New Delhi	1989
Senior Life Member	CSI, Mumbai	1991
Life Member	SSI, New Delhi	1995
Chartered Engineer	IE (I)	1995
Fellow	IETE, New Delhi	1998
Chartered Engineer	IETE, New Delhi	2001
Fellow	IE (I), Kolkata	2003

Research Experience

Research Guidance

Sl. No.	Name of the Scholar	Organisation	Year of Registration	University	Title of Research
1	Ms. P. Kalpana	SNIST Hyderabad	2012	JNTUH	Security Deployment in Cloud Computing Environment
2	Mr. Ch. Vijayabhaskar	SNIST Hyderabad	2012	JNTUH	Algorithm for Reliable and Secure Routing in MANET
3	Ms. B. Madhuravani	MRCET Hyderabad	2012	JNTUH	Design Secure Authentication Protocol in Wireless Communication
4	Mr. G. Harish Reddy	SNIST Hyderabad	2012	JNTUH	Managing Heterogeneous Networks Using NETCONF
5	Ms. G. Sumalatha	SNIST Hyderabad	2012	JNTUH	A Novel Protocol to issue and generate keys in secure and proficient way for advanced attribute based Cryptography
6	Mr. N. V. Subba Reddy	SNIST Hyderabad	2012	JNTUH	Novel and Scalable Spatial and Spatio Temporal Data Mining Techniques

Reviewer / Advisor / Editorial Board Program Committee Member

Position	Journal / Conference	Since
Reviewer	International Journal of Computational Intelligence and Information Security (IJCIIS)	May 2010
Member	International Association of Computer Science and Information Technology (IACSIT)	May 2010
Review Board Member	International Journal of Advanced Research in Computer Science (IJARCS)	Jul 2010
Reviewer	International Journal of Computer Science and Information Technology (IJCSIT)	Jul 2010
Reviewer	International Journal of Advanced Computer Science and Applications (IJACSA), ISSN:2156-5570	Oct 2010
Reviewer	3rd International Conference on Machine Learning and Computing (ICMLC-2011), Singapore	Feb 2011
Reviewer	Science Journal of Electrical & Electronic Engineering (SJEEE), ISSN: 2276-6340	Feb 2012
Honorary Peer Reviewer	Global Journal of Researches in Engineering (GJRE)	May 2012
Advisory Board Member	World Academy of Research in Science and Engineering (WARSE)	Jun 2012
Reviewer	International Journal of Network Security (IJNS)	Jun 2012
Reviewer	International Journal of Computer and Information Technology (IJCIT), ISSN:2279-0764	Jun 2012
Advisor/Editorial Board Member	International Journal of Emerging Trends & Technology in Computer Science (IJETCS)	Jun 2012
Editorial member	Journal of Computer Science and Engineering (JCSE)	Jun 2012
Editorial Member	International Journal of Computer Applications and Information Technology (IJCAIT), ISSN:2278-7720	Jun 2012
Editorial Board Member	International Journal of Computer and Electronics Research (IJCER), ISSN:2278-5795	Aug 2012
Technical Programme Committee Member	Science and Information Conference 2013 (SAI Conference 2013), London, UK	Oct 2013
Program Committee Member	International Conference on Information Communication Technology (ICT-EurAsia 2013), Indonesia	Apr 2013

Research Papers Published in International Journals

1. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Block Cipher Involving a Key Applied on Both the Sides of the Plain Text”, International Journal of Computer and Network Security (**IJCNS**), Vol. 1, No.1, pp. 27 – 30, Oct 2009.
2. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Large Block Cipher Involving a Key Applied on Both the Sides of the Plain Text as a Multiplicand”, International Journal of Computer and Network Security (**IJCNS**), Vol. 2, No.2, pp. 10 – 13, Feb 2010.
3. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “Cryptography of a Gray Level Image Using a Modified Hill Cipher”, International Journal of Computer and Network Security (**IJCNS**), Vol. 2, No. 6, pp. 89 – 92, Jun 2010.
4. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Modified Feistel Cipher involving Modular Arithmetic and a Key on both the sides of the Plain Text Matrix”, International Journal of Computational Intelligence and Information Security (**IJCIIS**), Special Issue, pp.10 – 16, Jun 2010.
5. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Novel Block Cipher involving Feistel Structure and Modular Arithmetic”, International Journal of Computational Intelligence and Information Security (**IJCIIS**), Special Issue, pp. 48 – 54, Jun 2010.
6. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, “Modular Arithmetic Inverse of a Rectangular Matrix”, International Journal of Advanced Research in Computer Science (**IJARCS**), Vol. 1, No. 2, pp. 28 – 30, Jul – Aug 2010.
7. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “Cryptography of a Binary Image Using Modified Hill Cipher”, International Journal of Advanced Research in Computer Science (**IJARCS**), Vol. 1, No. 2, pp. 37 – 40, Jul – Aug 2010.
8. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Modified Feistel Cipher Involving Modular Arithmetic and Interlacing”, International Journal of Computer and Network Security (**IJCNS**), Paper-ID 100912, Vol. 2, No. 9, pp. 70 – 72, Sep. 2010.

9. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Block Cipher Having a Key on One Side of the Plain Text Matrix and its Inverse on the Other Side”, International Journal of Computer Theory and Engineering (**IJCTE**), Vol. 2, No.5, pp. 805 – 808, Oct 2010.
10. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “Cryptography of a Gray Level Image Using a Novel Block Cipher Involving Feistel Structure and Modular Arithmetic”, International Journal of Advanced Research in Computer Science (**IJARCS**), Vol. 1, No. 3, pp. 106 – 109, Sep. – Oct 2010.
11. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “Cryptography of a Gray Level Image Using a Modified Feistel Cipher”, International Journal of Advanced Research in Computer Science (**IJARCS**), Vol. 1, No. 3, pp. 165 – 168, Sep. – Oct 2010.
12. Dr. V. U. K. Sastry, **Prof. D. S. R. Murthy**, Dr. S. Durga Bhavani, “A Large Block Cipher Having a Key on One Side of the Plain Text Matrix and its Inverse on the Other Side as Multiplicants”, International Journal of Advanced Research in Computer Science (**IJARCS**), Vol. 1, No. 4, pp. 237 – 241, Nov. – Dec 2010.
13. **Dr. D. S. R. Murthy**, Ms. B. Madhuravani, Ms. G. Sumalatha, “A Study on Asymmetric Key Exchange Authentication Protocols”, ISO 9001:2008 Certified International Journal of Engineering and Innovative Technology (**IJEIT**), ISSN:2277–3754, Vol. 2, Issue 2, pp. 100 – 104, Aug 2012.

Research Papers Published in National Conferences

1. E. V. Prasad, **D. S. R. Murthy**, Mrs. S. Nayanatara, “Symbolic Reliability Algorithms Based on t-out-of-s System Evaluation Principle”, **ISTAM-94**, A. U. College of Engineering, Visakhapatnam, Dec. 27 – 30, 1994.
2. E. V. Prasad, **D. S. R. Murthy**, Mrs. S. Nayanatara, “Computing k-out-of-n System Reliability – An Alternative Recursive Approach”, Eighteenth National Systems Conference (**NSC-94**), Dayalbagh College of Engineering, Dayalbagh, Agra, Jan. 14 – 16, 1995. **Adjudged Best Paper Presentation Award of the session.**
3. E. V. Prasad, **D. S. R. Murthy**, “Reduced Connection Multiple Bus Schemes – An Efficient Modelling Technique”, National Symposium on Modern Trends in Electronics and Communication Systems (**NASMTECS-94**), Dept. of ECE, A. U. College of Engineering, Visakhapatnam, Feb. 23 – 25, 1995.

Textbooks Published

1. **DSR Murthy**, *C and Data Structures*, First Edition, UniTech Series, Vijaya publications, Hyderabad, 2003.
2. **DSR Murthy**, *C Programming and Data Structures*, Revised Second Edition, UniTech Series, VGS Book links, Vijayawada, 2007.

Details of Research Papers Reviewed

SNo.	Journal / Conference	ISSN No.	Title of the Paper	Month	Year
1	IJACSA	ISSN:2156-5570	A Data Mining Approach to Cluster based Classification for Fuzzy C-means Algorithm	Oct	2010
2	IJACSA	ISSN:2156-5570	Spatial Clustering Algorithm Based on CLIQUE Optimization for crime Hotspots	Oct	2010
3	IJACSA	ISSN:2156-5570	Clustering Methods for Credit Card using Bayesian rules based on K-means classification	Oct	2010
4	IJACSA	ISSN:2156-5570	A suitable segmentation methodology based on pixel similarities for landmine detection in IR images	Nov	2010
5	IJACSA	ISSN:2156-5570	Automating Legal Research through Data Mining	Nov	2010
6	IJACSA	ISSN:2156-5570	Identification and Evaluation of Functional Dependency Analysis using Roughsets for Knowledge Discovery	Nov	2010
7	IJACSA	ISSN:2156-5570	The Result Oriented Process for Students based on Distributed Datamining	Nov	2010
8	IJACSA	ISSN:2156-5570	Message Passing between Data points by Affinity Propagation	Nov	2010
9	IJCIT	ISSN:2279-0764	A Method for Test Pattern Generation of Combinational Circuits Using Ordinary Algebra	Jul	2012
10	IJCIT	ISSN:2279-0764	An Image Matching Algorithm based on Time and Frequency Domain Features	Jul	2012
11	IJCIT	ISSN:2279-0764	Steganography and its application in Image Security Embeddiment: A Wavelet Approach	Aug	2012
12	IJCIT	ISSN:2279-0764	Design Approach for Content-Based Image Retrieval using Gabor-Zernike Features	Aug	2012
13	IJCAIT	ISSN:2278-7720	Implementation of DSR Protocol by Using Distributed Cache Update Algorithms	Sep	2012
14	IJCAIT	ISSN:2278-7720	A Various Approaches Cache-Oblivious Algorithm for Priority Queue	Sep	2012
15	IJCIT	ISSN:2279-0764	Anonymous access structures for a shared secret in a multi user environment Using Boolean Algebra	Sep	2012
16	IJCIT	ISSN:2279-0764	An innovative watermarking scheme for digital image authentication with common image processing	Sep	2012
17	IJCIT	ISSN:2279-0764	Dynamic Training Intrusion Detection Scheme for Blackhole Attack in MANETs	Sep	2012
18	IJCIT	ISSN:2279-0764	An Effective Method of Automated Damaged Fingerprints Identification (ADFIS) using NFR and RBS Algorithms	Sep	2012
19	IJCAIT	ISSN:2278-7720	Implementation of Video Streaming in Urban VANETs	Oct	2012
20	IJCER	ISSN:2278-5795	An algorithm of Total Variation for Image Inpainting	Oct	2012
21	IJCER	ISSN:2278-5795	Authentication Trust Level Network Architecture	Nov	2012
22	IJCIT	ISSN:2279-0764	Hand Image Analysis for Personal Authentication	Nov	2012
23	IJCIT	ISSN:2279-0764	Advanced Approach for Intrusion Alert Aggregation with Generative Data Stream Modeling	Nov	2012
24	IJCIT	ISSN:2279-0764	Multi-bit homomorphic encryption based on learning with errors over rings	Nov	2012
25	IJCAIT	ISSN:2278-7720	Introduce Lessons Learn Approach as A Phase in SDLC	Nov	2012

SNo.	Journal / Conference	ISSN No.	Title of the Paper	Month	Year
26	IJCIT	ISSN:2279-0764	New Era of authentication: 3-D Password	Dec	2012
27	IJCIT	ISSN:2279-0764	Formulation of Video Encoding applications for Heterogeneous Reconfigurable Architectures	Dec	2012
28	IJCAIT	ISSN:2278-7720	Comparison of Texture Classification of A CT Scam using Wavelet, Curvelet, and Ridgelet Transforms	Jan	2013
29	IJCIT	ISSN:2279-0764	An Improved Algorithm for Salt and Pepper Noise Removal	Feb	2013
30	IJCIT	ISSN:2279-0764	Key Generator Based on Operation in SAFER Family of Ciphers	Feb	2013
31	IJCAIT	ISSN:2278-7720	Area Efficient Image Compression using QTD and Wave Decoding	Feb	2013
32	IJCAIT	ISSN:2278-7720	Application of Decision Alternatives Evaluation Models to the Selection of Computer Systems	Feb	2013
33	Sai Conference 2013, London		Home User Security – from thick Security-oriented Home Users to Thin Security-oriented Home Users	Feb	2013
34	Sai Conference 2013, London		Agent Technology Approach for Pervasive System Security	Feb	2013
35	IJCAIT	ISSN:2278-7720	Application of Decision Alternatives Evaluation Models to the Selection of Computer Systems	Feb	2013
36	IJCIT	ISSN:2279-0764	The Rise of Cyborgian EPOCH	Feb	2013

Details of Research Papers Edited

SNo.	Journal	ISSN No.	Title of the Paper	Month	Year
1	IJCER Editor	ISSN:2278-5795	Text Independent Speaker Identification System with Zak Transform and Generalized Gaussian Mixer Control	Oct	2012
2	IJCER Editor	ISSN:2278-5795	Automated Facial Feature Points Extraction	Oct	2012
3	IJCER Editor	ISSN:2278-5795	A Novel Block Cipher Involving a Key Bunch Matrix and a Permutation	Oct	2012

- IJACSA** – International Journal of Advanced Computer Science and Applications
IJCIT – International Journal of Computer and Information Technology
IJCAIT – International Journal of Computer Applications and Information Technology
IJCER – International Journal of Computer and Electronic Research

Subjects Taught

Undergraduate

1. Artificial Intelligence
2. Business Data Processing (thru COBOL)
3. Management Information Systems (thru COBOL)
4. Data Processing and File Organisation (thru COBOL)
5. C & Data Structures
6. Computer Oriented Numerical Methods
7. Mathematical Methods
8. Data Structures
9. Discrete Mathematical Structures
10. Mathematical Foundations of Computer Science
11. Computer Graphics
12. Computer Networks
13. Data Base Management Systems
14. Image Processing
15. Introduction to Programming (Pascal)
16. Language Processors
17. Mathematical Modelling and Simulation
18. Simulation & Modelling
19. Neural Networks
20. Object Oriented Programming (thru C++)
21. Operating Systems
22. Operations Research
23. Programming Languages
24. Software Engineering
25. Software Testing Methodologies
26. Theory of Computation
27. Unix and Windows NT

Postgraduate

1. Advanced Operating Systems
2. Artificial Intelligence
3. Artificial Neural Networks
4. Neural Networks and Applications
5. Neural and Fuzzy Systems
6. Neural Networks and Fuzzy Logic
7. Computer Graphics
8. Data Structures and Algorithm Analysis
9. Discrete Mathematical Structures
10. Discrete Structures for Computer Science
11. Introduction to Management and Computers
12. Management Information Systems (thru COBOL)
13. Management Information Systems
14. Software Engineering
15. Systems Analysis and Design
16. Systems Programming
17. Unix and Windows Programming