

Curriculum Vitae



1. **Surname** Kodituwakku
2. **Other Names** Saluka Ranasinghe
3. **Address for Correspondence** Department of Statistics & Computer Science
Faculty of Science
University of Peradeniya
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4. **Home Address** No. 22/D, Power Station Road
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Tel. 094 – 81 – 2065040
Email – saluka.k@gmail.com
5. **Date of Birth** 17th September 1964
6. **Nationality** Sri Lankan
7. **Marital Status** Married
8. **Present appointment** Dean and Chair Professor of Statistics and Computer Science,
Department of Statistics and Computer Science,
Faculty of Science,
University of Peradeniya

Member, BOM, PGIS, University of Peradeniya, August 2015 – to date.
Member, BOM, Information Technology Center,
University of Peradeniya
Acting Director, PGIS, University of Peradeniya, July 2017 – to date.
Internet - <http://www.scs.pdn.ac.lk/personal/salukak>

9. Education

July 1999 - September 2004

Doctor of Philosophy (Computer Science),
RMIT University, Melbourne, Australia

Thesis topic: Formal Description and Organization of Design Patterns.

May 1994 - December 1995

Master of Science (Computer Science),
Asian Institute of Technology (AIT), Bangkok, Thailand,
Research Topic: Performance Study of Public Key Cryptosystems.

January 1986 - April 1992

Bachelor of Science (Mathematics),
University of Peradeniya, Peradeniya, Sri Lanka,
Result: Second class (Upper Division).

9. Other Related Experience

- Member, Council, University of Peradeniya, August 2015 – to date.
- Head/ Department of Statistics & Computer Science, University of Peradeniya, March 2015 – to date.
- Director/ Information Technology Center, University of Peradeniya, April 2014 – to date.
- Acting Director/ Information Technology Center, University of Peradeniya, January 2014 -April 2014.
- Head/ Department of Statistics & Computer Science, University of Peradeniya, March 2006 – February 2013.
- Chairman, Board of Study in Statistics and Computer Science, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka, September 2008 – to date.
- Chairman, Board of Study in Science, Center for Distance and Continuing Education, University of Peradeniya, Sri Lanka, September 2008 – to date.
- Secretary, Board of Study in Statistics and Computer Science, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka, 2005 - 2008.
- Secretary of the local organizing Committee: International Statistical Conference, PGIS, The University of Peradeniya, November 2004.
- Congress Chairman, PGIS Research Congress 2014, Post Graduate Institute of Science , University of Peradeniya, Sri Lanka.
- Secretary of the local organizing Committee: International Statistical Conference, PGIS, The University of Peradeniya, November 2004.
- Treasurer, Science Teachers Association (STA), University of Peradeniya, Sri Lanka, 2003 - 2005.
- Senior treasurer, Computer Society, University of Peradeniya, Sri Lanka, 2004 - to date.

- Member, Board of Study in Statistics and Computer Science, Post Graduate Institute of Science, University of Peradeniya, Sri Lanka, 2005 – to date.
- Member: Board of Study in BBA online programme, Faculty of Arts, University of Peradeniya, Sri Lanka, 2007 - to date.
- Convener: Faculty web development Committee, Faculty of Science, University of Peradeniya, 2007 - to date.
- Member: Science Education Committee, Faculty of Science, University of Peradeniya, 2007 - to date.
- Member: Academic and Student Consultative Committee, Faculty of Science, University of Peradeniya, 2008.
- Member: Course Unit Committee, Faculty of Science, University of Peradeniya, 2007 - to date.
- Member: IRQUE Project Coordinating Committee, Faculty of Science, University of Peradeniya, 2007 - to date.
- Member: Web Development Committee, University of Peradeniya, Sri Lanka, 2006 - to date.
- Member: Research Committee, Faculty of Science, University of Peradeniya, Sri Lanka, 2007 - to date.
- Member: Internet and Communication Committee, University of Peradeniya, Sri Lanka, 2006 - to date.
- Member: Standing committee on IT development in Schools and Universities, University Grant Commission, Sri Lanka, 2006 - to date.
- Member: ICT Education advisory Committee, Ministry of Education, Sri Lanka, 2005
- Member: Technical evaluation committee, IRQUE Project, Faculty of Science, University of Peradeniya, 2006 - to date.
- Member: Technical evaluation committee, Postgraduate Institute of Science University of Peradeniya, 2005 - to date.
- Member: Technical evaluation committee, Department of Agriculture, Central Province, Sri Lanka, 2005 - to date.
- Member: Technical evaluation committee, Kandurata Sanwardana Bank, Kandy, 2007.
- Member of the organization committee of the RMIT Computer Science Postgraduate Research Students' Conference – CSPSC 99.

10. Scholarships

- RMIT Computer Science Postgraduate Scholarship awarded by the Department of Computer Science.
- AIT postgraduate scholarship awarded by the Japanese Government.

11. Previous Employment

Dates	Institute	Position held
April 1992 – May 1993	Department of Mathematics University of Peradeniya Peradeniya	Assistant lecturer
May 1993 – August 1998	Department of Mathematics,	Lecturer

	University of Peradeniya Peradeniya	
August 1998 – October 2004	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Lecturer
October 2004 – March 2006	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Senior lecturer II
March 2006 – September 2008	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Head of the Department and Senior lecturer II
September 2008 – March 2013	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Head of the Department and Associate Professor
March 2013 – March 2015	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Professor of Statistics & Computer Science
March 2015 - to date	Department of Statistics and Computer Science University of Peradeniya Peradeniya	Head and Professor of Statistics & Computer Science

12. Research Supervision

- **Ms. B. Subasinghe**, *A Risk Management Framework for Social Networks*(PhD, Completed in 2016)
- **Gihan Kuruppu**, *Towards Better Performance: Development of an Automated Tool for Performance Evaluation in Sports using Trajectory Analysis*(MPhil, Completed in 2016)
- **Pathum Chamikara**, *Intelligent Policing Using Data Mining Techniques* (MPhil, Completed in 2016)
- **Akalanka Galappaththi**, *Intelligent Policing Using Data Mining Techniques* (MPhil, Completed in 2017)
- **Ms. S. Selvarajh**, *Investigation of Content Based Image Retrieval Techniques and their Performances*, (MPhil, Completed in 2013)
- **R. M. S. Ratnayake**, *Ontology based Collaboration Modeling in healthcare applications*, (MPhil, Completed in 2013)
- **S.S. Zameeth**, *Brain Computer Interface (BCR) based on Electroencephalographic (EEG) patterns due to new cognitive tasks*, (MPhil, Completed in 2010)
- **S.S. Kalupahana**, *An Intelligent weather forecasting for Sri Lanka*, (MPhil, Completed in 2007)

- **P.L. Rupasinghe**, *A framework for handling risk management in IT projects*(MPhil, In Progress)
- **R. A. Udayakumara** , *Exploration of a path from model-based testing towards test based modeling*(MPhil, In Progress)

13. Publications

Books

1. S. R. Kodituwakku, Fundamentals of C Programming.
2. S. R. Kodituwakku, Software Development for BCS Certificate Level.
3. S.R. Kodituwakku (2004) – “Formal Description and Organization Design Patterns”, PhD thesis, RMIT University, Melbourne, Australia.
4. S.R. Kodituwakku (1995) – “Performance Study of Public Key Cryptosystems”, M.Sc. thesis, Asian Institute of Technology, Bangkok, Thailand.
5. Introduction to Computers (in Press)

Book Chapters

1. Advanced techniques in Computing Sciences and Software Engineering, Springer, Chapter: 7 (**S.R. Kodituwakku**, and MIM Fazeen, *An Offline Fuzzy Based Approach for Iris Recognition with Enhanced Feature Detection*)

Journal Papers

2. [A simple algorithm for calculating the area of an arbitrary polygon](#), KR Wijeweera, SR Kodituwakku, Ruhuna Journal of Science 8 (1), 2017
3. [Analysis and enhancements of a cognitive based complexity measure](#), DI De Silva, N Kodagoda, SR Kodituwakku, AJ Pinidiyaarachchi, Information Theory (ISIT), 2017 IEEE International Symposium on, 241-245
4. [Convex partitioning of a polygon into smaller number of pieces with lowest memory consumption](#), KR Wijeweera, SR Kodituwakku, Ceylon Journal of Science 46 (1) 2017
5. [Accurate, simple and efficient triangulation of a polygon by ear removal with lowest memory consumption](#), KR Wijeweera, SR Kodituwakku, Ceylon Journal of Science 45 (3), 2016
6. [An approach for line clipping against a convex polyhedron](#), KR Wijeweera, SR Kodituwakku, Ruhuna Journal of Science 7 (1), 2016
7. [Fuzzy based binary feature profiling for modulus operandi analysis](#), MAP Chamikara, A Galappaththi, RD Yapa, RD Nawarathna, PeerJ Computer Science 2, e65, 2016
8. [SecAODV: Lightweight Authentication for AODV Protocol](#), A Jayakody, R Samarasinghe, SR Kodituwakku, International Journal of Computer Applications 137 (13), 2016
9. [Evaluation of the use of web technology by government of Sri Lanka to ensure food security for its citizens](#), PC Abeysiriwardana, SR Kodituwakku, Procedia Food Science 6, 82-91, 2016

10. PC Abeyesiriwardana, **SR Kodituwakku**, [A Model for Web-Intelligence Index to Evaluate the Web Intelligence Capacity of Government Web Sites of Sri Lanka](#), British Journal of Mathematics & Computer Science 12 (6), 1-12
11. K. R. Wijeweera, **S. R. Kodituwakku** , An algorithm to find the visible region of a polygon , Ceylon Journal of Science (Physical Sciences), 2015, V19(1), pp: 33 - 44
12. K. R. Wijeweera, **S. R. Kodituwakku** , An algorithm to find the largest circle inside a polygon , Ceylon Journal of Science (Physical Sciences), 2015, V19(1), pp: 45 - 54
13. **S. R. Kodituwakku** , Biometric Authentication: A Review, International Journal of Trend in Research and Development, 2015, V2(4), pp:113 - 123
14. K.D.B.H. Subasinghe, H.S.C. Perera, **S. R. Kodituwakku** , A Risk Analysis and Management Framework for Clouds utilizing Big Data and Security Informatics using the Hidden Markov Model in Analysis of Privacy in Opportunistic Social Media Networks, NNGT Int. J. on Information Security, 2015, V2(1), pp:1 - 6
15. A Galappaththi, MAP Chamikara, Y Yapa, **S. R. Kodituwakku** , J Gunatilake , Identification of Neutral Members in Social Networks using a Distance and Fuzzy based Model , International Journal of Computer Applications, 2015, 119 (22)
16. M. A. P. Chamikara, A. A. C. A. Jayathilake, **S. R. Kodituwakku** , Fuzzy Based Statistical Method for Image Noise Filtering , International Journal of Advanced Research in Computer Science and Software Engineering, 2014, V4(10), pp: 49 - 60
17. M. A. P. Chamikara, A. A. C. A. Jayathilake, K. R. Wijeweera, **S. R. Kodituwakku** , Fuzzy Neural Hybrid Method for Sinhala Character Recognition , International Journal of Advanced Research in Computer Science and Software Engineering, 2014, V4(9), pp: 8 - 21
18. K.D.B.H. Subasinghe, H.S.C. Perera, **S. R. Kodituwakku** , A Risk Management Framework for Clouds Using Big Data and Security Informatics using Attack Trees and Hidden Markov Model in Analysis and Prediction of Risks in Social Media Networks , International Journal of Scientific and Research Publications, 2014, V4(11), pp: 1 - 5
19. I. A. A. D. C. Alahakoon, **S. R. Kodituwakku** , J. Gunathilake Coordinate Transformation Tool for Android Mobile Devices , Ceylon Journal of Science (Physical Sciences), 2014, V18(1), pp: 41 - 49
20. I. A. Kamani C. Samarasinghe, **S. R. Kodituwakku** , Roshan D. Yapa Understanding the Internet Usage Habits of the Students of University of the Visual & Performing Arts through Data Mining , International Journal of Soft Computing and Engineering (IJSCE), 2014, V4(2), pp: 45 - 48
21. I. A. Kamani C. Samarasinghe, **S. R. Kodituwakku** , Roshan D. Yapa Data Mining and Service Customization in Leisure and Hospitality , International Journal of Soft Computing and Engineering (IJSCE), 2013, V3(5), pp: 24 - 29

22. M.A.P. Chamikara, **S. R. Kodituwakku** , A. A. C. A Jayathilake, A. A. I. Perera, An Algorithm to Construct Super-Symmetric Latin Squares of Order 2^n , International Journal of Research in Information Technology(IJRIT), 2013, Vol. (2), pp:38 - 50
23. M.A.P. Chamikara, Y.P.R. D. Yapa, **S. R. Kodituwakku** , J. Gunathilake, An efficient algorithm to detect the nearest location of a map for a given theme , International Journal of Science and Technology Research(IJSTR), 2013, Vol. 2(4), pp: 55 - 59
24. Gihan Kuruppu, **S. R. Kodituwakku** ,U. A. J. Pinidiyaarachchi, High Speed Motion Tracking for Weightlifting based on Correlation Coefficient Template Matching , International Journal of International Journal of Soft Computing and Engineering(IJSCE), 2013, Vol.2 (6), pp: 439 - 442
25. **S. R. Kodituwakku** ,K. R. Wjeweera, M.A.P. Chamikara, An efficient algorithm for line clipping in computer graphics programming , Ceylon Journal of Science (Physical Sciences), 2013, V17(1), pp: 1 - 7
26. Prabath Chaminda Abeysiriwardana, **S. R. Kodituwakku** , Ontology based information extraction for disease intelligence , International Journal of Research in Computer Science, 2012, Vol.2 (6), pp: 7 - 19
27. **S. R. Kodituwakku** ,K. R. Wjeweera, M.A.P. Chamikara An efficient line clipping algorithm for 3D space , International Journal of Advanced Research in Computer Science and Software Engineering, 2012, Vol.2 (5), pp: 96 - 101
28. M.A.P. Chamikara, Y.P.R. D. Yapa, **S. R. Kodituwakku** ,J. Gunathilake, SL-SecureNet: Intelligent Policing Using Data Mining Techniques , International Journal of Soft Computing and Engineering (IJSCE), 2012, Vol.2 (1), pp: 175 - 180
29. D.M.H.U. Dissanayake and **S. R. Kodituwakku** , Container Yard Route Planning System , International Journal of Advanced Research in Computer Science and Software Engineering, 2012, Vol.2 (1)
30. **S. R. Kodituwakku** , S. Selvarajah and U. A. J. Pinidiyaarachchi,Towards the enhanced features for Content Based Image Retrieval , Ceylon Journal of Science (Physical Sciences), 2012, Vol. 16, pp: 1 - 8
31. P. D. C. R. Jayarathna, J. V. Wijayakulasooriya, and **S. R. Kodithuwakku**,Fuzzy Logic and Neural Network Control Systems for Backing up a truck and a Trailer, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (3), pp: 370 - 377.
32. T. M. D. K. Bandara, Y. P. R. D. Yapa and **S. R. Kodithuwakku**, Simulation of Regression Analysis by an Automated System Utilizing Artificial Neural Networks, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (3), pp: 378 - 391.
33. Rathnayake N, Jayaweera P, and **S. R. Kodithuwakku**, Pattern driven Patient Centered Collaboration Modeling in Clinic Management , International Journal of Engineering Sciences research (IJESR), 2011, Vol 02 (4)

34. P. Arumainayagam, E.Y.A Charles and **S. R. Kodithuwakku** , A review on Processing of Data Streams, Research Journal of Computer Systems and Engineering (RJCSE), 2011, Vol. 2, pp: 73 - 77.
35. **S.R. Kodituwakku** and U. S. Amarasinghe, Comparison of Lossless Data Compression Algorithms for Text Data, Indian Journal of Computer Science and Engineering (IJCSE), 2011, Vol. 1 (4) pp: 416 - 426.
36. **Kodituwakku S. R.** and Rambukwella A.I, An enhanced algorithm for offline connected handwritten character segmentation, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (1), pp: 60 - 66.
37. S. Selvarajah and **S. R. Kodithuwakku**, Analysis and Comparison of Texture Features for Image Retrieval, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (1), pp:108 - 113
38. S. Selvarajah and **S. R. Kodithuwakku**, Edge Colour Moments: An Enhanced Feature Descriptor for Content Based Image Retrieval, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (2), pp:
39. **Kodituwakku S. R.** and Kanagasabapathy P., X2ORTRANS: A schema driven mapping for is-a relationship, International Journal of Latest trends in Computing (IJLTC), 2011, Vol.2 (2), pp:
40. S. Selvarajah and **S. R. Kodithuwakku**, Performance Evaluation of Shape Features for Image Retrieval, ARPN Journal of Systems and Software, 2011, Vol. 1 (1), pp: 12 – 18.
41. S. Selvarajah and **S. R. Kodithuwakku**, 'Combined Feature Descriptor for Content Based Image Retrieval, In Proceedings of the ICIIS2011, 2011.
42. **S. R. Kodituwakku**, Design and Implementation of Role Based Access Control System for Network Resources, International Journal of Engineering Science and Technology Vol. 2(11), 2010, pp: 6617-6621
43. **S. R. Kodituwakku** and P. S. Nilanthi, Investigating A Fuzzy Approach for Handwritten Sinhala Character Recognition, International Journal of Engineering Science and Technology Vol. 2(11), 2010, 6031-6034
44. **S. R. Kodituwakku**, The Administrator Object Pattern for Role Based Access Control, Indian Journal of Computer Science and Engineering, Vol. 2 (12), 2010, pp: 7880-7884
45. **S. R. Kodituwakku** and S. Selvarajah, Comparison of Color Features for Image Retrieval , Indian Journal of Computer Science and Engineering, Vol. 1 (3), 2010, pp: 207-211
46. **S. R. Kodituwakku** and H. R. O. E. Dayarathna, Statistical Approach to Optimize Master-Worker Allocation in Grid Computing, Indian Journal of Computer Science and Engineering, Vol. 1 (3), 2010,pp: 212-221

47. **S. R. Kodituwakku** and Pathum Chamikara, CUBRAS: Design and implementation of the course unit based results analysis system, Ceylon Journal of Science (Physical Sciences), 2009, Vol. 15, pp: 27-39.
48. **S. R. Kodituwakku** and P. Bertok, Mathematical Approach to Object Oriented Design Patterns , NSF Journal, 2008, vol. 36(3), pp 219 - 227.
49. **S. R. Kodituwakku**, Mathematical Structures in Pattern Organizations, Journal of Science, University of Kelaniya, 2008, Vol. 4, pp 46 - 67.
50. G. A. Samaraweera and **Saluka R.K.**, Metamodel of Design Pattern Catalogue: Application to Automated Code Generation, Ceylon Journal of Science (Physical Sciences), 2007, Vol. 13, pp 37 – 44..
51. D. M. Rasanjalee and **Saluka R.K.**, Object-Oriented software quality metrics, Ceylon Journal of Science (Physical Sciences), 2007, Vol. 13, pp. 7 – 16..
52. U.H.G.R.D Nawarathna and **Sauka. R. K.**, A Fuzzy Role Based Access Control Model for Database Security, Ceylon Journal of Science (Physical Sciences), 2007, Vol. 13, pp. 25 – 35..
53. Bandara K. Y., Gunathilaka M. P., **Saluka R.K**, Semi-Intelligent SQL Framework for Relational Database Management Systems, Ceylon Journal of Science (Physical Sciences), 2005, Vol. 10, pp 47 - 53.

Conference Papers

1. DI De Silva, N Kodagoda, **SR Kodituwakku**, UAJ Pinidiyaarachchi, Limitations of an object-oriented metric: Weighted complexity measure, 6th IEEE International Conference on Software Engineering and Service Science (ICSESS) , 2015
2. E Ekanayake and **S.R. Kodituwakku**, Consistency checking of UML class and sequence diagrams, Proceedings of the 8th International Conference on Ubi-Media Computing (UMEDIA), 2015
3. M.A.P. Chamikara, Y.P.R.D. Yapa, **S.R. Kodituwakku** and J. Gunathilake, GIS-based Hotspot Detection in Crime Analysis, Proceedings of the Conference on Sri Lanka - Japan Collaborative Research, 2013.
4. M.A.P. Chamikara, Y.P.R.D. Yapa, **S.R. Kodituwakku** and J. Gunathilake, Use of J48 Classification Algorithm for Nearest Police Station Detection, Proceedings of the Sri Lanka Students' Association in Japan (SLSAJ) Annual Research Conference, 2012.
5. J.A.D.C. Anuradha Jayakody, Rohan Samarasinghe, **S. R. Kodituwakku** , Routing Protocols in Wireless Mobile Ad-hoc Networks- A Review , SAIMT Research Symposium on Engineering Advancements 2013 (SAITM – RSEA 2013)
6. Vinoharan, V., Ramanan, A. , **S. R. Kodituwakku** , Wheel-based Side-view Car Detection using Snake Algorithm , In Proceedings of the Sixth IEEE International

Conference on Information and Automation for Sustainability (ICIAfS'12), 2012, pp: 185 - 189

7. **S. R. Kodituwakku** and M.I.M. Fazeen, An Offline Fuzzy Based Approach for Iris Recognition with Enhanced Feature Detection, Proceedings of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering, 2008.
8. Gunathunga J.D.S.S., Umagiliya U. and **Saluka R.K.**, Realization of XML as an essential supporting tool for the Object Oriented System Design, proceedings of the International Conference on Information and Automation, 2007.
9. Kumara J. and **Saluka R.K.**, Modeling an Inteligua for language translation, proceedings of the International Conference on Information and Automation, 2007.
10. S. Abeysundara, B. Giritharan and **S. R. Kodituwakku**, A Genetic Algorithm Approach to Solve the Shortest Path Problem for Road Maps, In the proceedings of the International Conference on Information and Automation, 2005, pp:272 - 275
11. M. A. P. Neshadha Perera and **S. R. Kodituwakku**, Music Chord Recognition Using Artificial Neural Networks, In the proceedings of the International Conference on Information and Automation, 2005, pp: 304 - 308
12. U.H.G.R.D Nawarathna and **S.R. Kodituwakku**, A Fuzzy Role Based Access Control Model for Database Security, In the proceedings of the International Conference on Information and Automation, 2005, pp: 313 - 318
13. **Saluka R. Kodituwakku** and Peter Bertok, Pattern Categories: A Mathematical Approach for Organizing Design Patterns, Proceedings of the KoalaPLoP2002, pp 84 – 95, 2002. Also appear in the Proceedings of the 2002 conference on Pattern languages of programs – Volume 13, pp: 63 – 73
14. Bertok P. and **Saluka R.K**, Data Access Control In Virtual Organisations – Role-Based Access Control Patterns, IFIP Conference Proceedings; Vol. 205, pp394 – 405
15. Gihan Kuruppu, Manoj C., **S. R. Kodituwakku** , U. A. J. Pinidiyaarachchi Comparison of Different Template Matching Algorithms in High speed Sports Motion Tracking , Proceedings of the 8th IEEE International Conference on Industrial and Information Systems(ICIIS), 2013
16. **Saluka R.K**, Bertok P, and Liping Z., APLRAC: A Pattern Language for Designing and Implementing Role-Based Access Control, In the proceedings of the 6th European Conference on Pattern Languages of Programs, 2001, pp 331- 346
17. **Saluka R.K**, Bertok P, and Liping Z., Pattern Language for Designing and Implementing Role-Based Access Control, In the proceedings of the KoalaPLoP2001.
18. Qi Yulu and **Kodituwakku, S.R.**; Finite Automation Cryptosystem, In the proceedings of the International Conference on Communication Technology, 1996. pp: 244 – 247

Technical Reports/Abstracts

1. Kamani Samarasinghe, **S. R. Kodituwakku** and Y. P. R. D. Yapa A PRELIMINARY STUDY ON IMPACT OF DATA MINING ON TELECOMMUNICATION COMPANY REVENUE, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
2. Prabath Rupasinghe, **S. R. Kodituwakku** and Rohan Samarasinghe RISK INVENTORY BASED APPROACH TO MANAGE RISKS IN IT PROJECTS, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
3. J.A.D.C. A. Jayakody, **S. R. Kodituwakku** and R. Samarasinghe ENHANCE POWER EFFICENCY AD – HOC ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORKS, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
4. Indraka Udayakumara, **S. R. Kodituwakku** and Koliya Pulasinghe KNOWLEDGE BARRIERS IN ADOPTION OF SOFTWARE TEST PROCESSES, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
5. M.A.P. Chamikara¹, A. Galappaththi, K. Sajanthan, Susantha Rasnayake², C. Manoj, A.A.C.A. Jayatilake, Y.P.R. D. Yapa, J. Gunatilake and **S. R. Kodituwakku** STATISTICAL AND SOCIOLOGICAL ANALYSIS ON CRIME DATA, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
6. GihanKuruppu, Udayanga Jasundara, U. A. J. Pinidiyaarachchi and **S. R. Kodituwakku** TRACKING THE SPIN OF THE TABLE TENNIS BALL WITH NEURAL NETWORK, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
7. A. E. Madurapperumage and **S. R. Kodituwakku** ON DEMAND VIDEO DISTRIBUTION POLICY IN A MESH NETWORK, in the Proceedings of the PGIS Reserach Congress 2014, Sri Lanka, 2014.
8. G. Kuruppu, T. Fernando**S. R. Kodituwakku** and U. A. J. Pinidiyaarachchi A MARKER LESS TRACKING OF WEIGHTLIFTING SNATCH MOVEMENT USING XTION PROLIVE, in the Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, 2014. Vol. 18, PP: 403
9. H. K. D. B.E H. Subasinghe, **S. R. Kodituwakku** and H. S. C. Perera A Risk Management Framework in Cloud using Big Data and Security Informatics, in the proceedings of the 3rd National Conference on Technology and Management 2014,
10. H. R. O. E. Dhayarathne and **S. R. Kodituwakku**, Toward The Optimization of Master Worker Approach in Grid Computing, in the proceedings of the 6th SLIIT research Symposium 2011, Vol. 4, pp: 106 - 108.
11. **S. R. Kodituwakku** and K. J. K. Karunarathne, TSFSAV: A tool support for sorting algorithms visualization, in the proceeding of the Annual Symposium of Kotalawala Defense Academy, 2010, University of Peradeniya
12. H. M.U.G.M.P.B Herath and **S. R. Kodituwakku**, GPS Based Clock Synchronization for Wireless Sensor Networks, in the proceeding of the PURSE2010, University of Peradeniya

13. P. S. Nilanthi and **S. R. Kodituwakku**, Fuzzy Logic Approach for Off-Line Handwritten Sinhala Character Recognition , in the proceeding of the PURSE2010, University of Peradeniya
14. S.Selvarajah and **S. R. Kodituwakku**, Evaluating Colour Features for Image Retrieval, in the proceeding of the PURSE2010, University of Peradeniya
15. H. R. O. E. Dhayarathne and **S. R. Kodituwakku**, Toward the Optimization of Master Worker Approach in Grid Computing, in the proceeding of the PURSE2010, University of Peradeniya
16. **S. R. Kodituwakku** and M. I. M. Fazeen, An Offline Fuzzy Based Approach for Iris Recognition with Enhanced Feature Detection, In the proceedings of the, in the proceeding of the PURSE2008, University of Peradeniya
17. B.Sayanthan, S. Vasanthapriyan and **Saluka R.K.**, An intelligent system to predict the stock indices of the Colombo Stock Exchange, in the proceeding of the PURSE2005,University of Peradeniya, pp129.
18. H. T. Karunaratne and **Saluka R.K.**, Applying object role modeling to software design patterns, in the proceeding of the PURSE2005, University of Peradeniya, pp134
19. J. Kumara and **Saluka R.K.**, Modeling an Inteligua for Language translation, in the proceeding of the PURSE2006, University of Peradeniya, pp165.
20. **Saluka R.Kodituwakku**,Formal Description of Patterns: Mathematical Approach, in the proceeding of the CSPRSC2001, pp 81 – 91 (full paper)
21. **Saluka R.Kodituwakku** and Peter Bertok, Towards a Formal Organization of Software Patterns, in the proceeding of the CSPRSC2000, pp 67 – 77. (Also accepted by SCI2001/ISAS2001 conference). (full paper)
22. **Saluka R. Kodituwakku**, Liping Zhao and Bill Applebe, A Formal method for Pattern Classification and Comparison, in the proceeding of the CSPRSC99, pp 131 – 132
23. H.R.H. Nagahamulla and **S.R. Kodituwakku**, Grading Mechanism to Measure Usability of User Interfaces, in the proceeding of the PURSE2006, University of Peradeniya, pp 164.
24. Neshada Perera and **S.R. Kodituwakku**, Music Code Recognition Using Artificial neural Networks, in the proceeding of the PURSE2005, University of Peradeniya, pp 114.
25. U.H.G.R.D. Nawarathna and **S.R. Kodituwakku**, Using Fuzzy Logic for Adaptive Role Based Access Control for Database security, in the proceeding of the PURSE2005, University of Peradeniya, pp 126.
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