

Curriculum Vitae

Name : Damitha Dissakitti Karunaratna
Date of Birth : 23rd November 1960.
Sex : Male
Marital Status : Married
Current Designation : Professor
Current Employer : University of Colombo School of Computing,
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Educational Qualifications

Qualification	Year	University
B.Sc (First Class)	1985	University of Colombo, Sri Lanka
M.Sc	1991	University of Swansea, UK
Ph.D	2000	Cardiff University, UK

Previous Employments/Positions Held

Period	Organization	Designation
1985 -1988	Data Processing Department, Chmenex Ltd.	System Analyst/Programmer
1988-1990	Information Systems Department, Greater Colombo Economic Commission.	Assistant Manager
1991 - 2000	Department of Statistics and Computer Science, University of Colombo	Lecturer (Probationary),
2000 - 2005	University of Colombo School of Computing, University of Colombo	Senior Lecturer
2005 - 2010	University of Colombo School of Computing, University of Colombo	Senior Lecturer Head – Department of Communications and Media Technologies, UCSC
2012	University Of Colombo School of Computing Teachers association (UCCTA)	President
2011.12.01 – 2013.12.01	University of Colombo School of Computing, University of Colombo	Senior Lecturer Head – Department of Information Systems Engineering, UCSC
2019.05.29 - todate	Professor in computer science NIE Council member - 2025	UCSC
2014.01.01 – 2018-12-31	University of Colombo School of Computing, University of Colombo	Coordinator – e-Learning Center, UCSC

2018-2019	University of Colombo School of Computing, University of Colombo	Academic Coordinator – Bachelor of Information Technology(BIT)
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Experience related to major application development.

Period	Organization	Designation
1985 -1988	Data Processing Department, Chmenex Ltd.	System Analyst/Programmer
1988-1990	Information Systems Department, Greater Colombo Economic Commission.	Assistant Manager
2000 - 2021	University of Colombo School of Computing, University of Colombo	1) Teaching related subjects such as programming language concepts, Compiler design, Finite automata. 2) External paper moderator for Programming languages, Compiler Development Courses of many University Degree Programs
2000 - 2001	University of Colombo School of Computing, University of Colombo	Develop application software for internal usage. 1) Application for internal student examination marks management system. 2) Application for External students (BIT) examination mark management system
2020	University of Colombo School of Computing, University of Colombo	Assist university grant commission (UGC) in computerizing their activities including university selection
2023	University of Colombo School of Computing, University of Colombo	Chief Architect of online e-procurement system (PROMISE)

Research Interests

- Knowledge Bases and Ontology Design
- Database Integration
- Multimedia Databases
- Geographic Information Systems (GIS)
- Design and Development of Information Systems

University Teaching Experience

Period	Subjects	Level
1991 - 1995	Statistical Methods, Numerical Methods and Computing	Second Year B.Sc.
1992-1995	Operating Systems	Forth Year B.Sc.(Computer Science)
	Data Structures and Algorithms	Third Year B.Sc.(Computer Science)
1991-1995	Data-structures and Analysis of Algorithms	M.Sc.
2001-2005	Programming Languages and Compiler Theory	Third Year B.Sc.(Computer Science)
	Operating Systems	Third Year B.Sc.(Computer Science)
2001-2003	Introduction to Statistics and Mathematics for Computing I	First Year B.Sc.
2003 - 2005	Mathematics for Computing	First Year BCSc
2004	Operating Systems	Second Year BCSc
2004 - to date	Introduction to Programming Languages	Second Year BCSc
2004 – to date	Compilers and Automata Theory	Third Year BCSc
2002- 2005	Systems Programming	MSc.
	Theory of Programming Languages	MSc.
	Data Structures	MSc.
2008 – to date	Applied Informatics (GIS)	Fourth Year - BICT
2008 – To Date	Selected Topics in Theoretical Computing (Finite Automata)	Fourth Year B.Sc.(Computer Science)
2008	e-Education Processes	MIT
2013	Coding Theory	MIS

Consultancy, Academic, Research and Community Contribution

- Conference Chair, Advances in ICT for Emerging Regions (ICTer2019), Colombo, Sri Lanka, 2019
- Resource Person, Developing Model Papers for the Technology Stream of GCE(A/L) Examination, Department of Examination, Sri Lanka, June 2014.
- Resource Person, Workshop on “Online learning and Teaching”, conducted for the Public Health Officers at the Faculty of Medicine, Sri Lanka, 24th April 2014.
- Resource Person, Curriculum Development for a Software Engineering Degree Programme, University of Sri Jayewardenepura, Sri Lanka, 2014.
- Member of the steering committee for building a National Spatial Data Infrastructure, Ministry of Land and Land Development, 2014.
- Member of the Technical Evaluation Committee, University of Colombo, 2014
- Paper Reviewer, Annual Academic Sessions 2013, The Open University of Sri Lanka, 2013.
- A member of the judging panel of the 5th National Level School ICT Championship and the 12th Young Computer Scientist Competition organized by the Ministry of Education, Sri Lanka, 2013
- Resource Person, G.C.E(O/L) ICT paper Evaluation Report- 2012, November 2013.
- President(Section E3), Sri Lanka Association of Advancement of Science (SLAAS) - 2013
- Member of the Technical Evaluation Committee, University of Colombo – 2013.
- Resource Person, Preparation of ICT (A/L) Evaluation Report, Department of Examination, 2013
- Project Report Evaluator, National Science Foundation, 2013.
- President of University of Colombo Computing Teachers Association - 2012.
- Resource Person, Teacher Training for Information & Communication Technology(ICT), National Institute of Education, 2012.
- Judge of 4th National Level School ICT Championship 2012.
- Judge of the National Best Quality ICT Awards (NBQSA) competition organized by the Chartered Institute for IT Sri Lanka (BCSSL) Section.
- Resource Person, Workshop conducted by the HETC Project Under the Ministry of Higher Education to access the ICT knowledge and skills of University Undergraduates, held on 21/05/2012.
- Paper Reviewer - International Conference on Advances in ICT for Emerging Regions 2012(ICTer2012), Colombo, Sri Lanka, December, 2012.
- Resource person in training ICT teachers across the country on General Certificate of Education (Advanced Level) ICT Curriculum, organized by the National Institute of Education (NIE) – 2012.
- National coordinator (ICT) – Pre-Orientation Programme to improve the ICT and English skills of all university entrants, Organized by the Ministry of High Education, Sri Lanka, 2011.
- Team Leader – Implementing an On-line Examination system for the Institute of Chartered Accountants of Sri Lanka, 2011.

- Resource Person, Preparation of ICT (A/L) Evaluation Report, Department of Examination, 2011
- Resource Person – Conducting a three day workshop on Learning Management Systems (LMS) to faculty of Royal University of Bhutan, March 28 – 30, 2011, Bhutan.
- Controller – General Certificate of Examination (Advanced Level), Information and Communication Technology Paper, Ministry of Examination, 2011.
- Resource Person and a Contributor in developing a Student Information System to manage undergraduate student information at University of Colombo School of Computing, 2010.
- Paper Reviewer - International Conference on Advances in ICT for Emerging Regions 2010 (ICTer2010), Colombo, Sri Lanka, Sep 29 - Oct 1, 2010.
- Resource Person – Preparation of structure of questions and prototype questions, General Certificate of Education (Advanced Level), Department of Examination, Sri Lanka, 2010.
- Paper Reviewer - The International Journal on Advances in ICT for Emerging Regions (ICTer) – 2010.
- Paper Reviewer - International Conference on Advances in ICT for Emerging Regions (ICTer2010) – 2010.
- Resource Person, Workshop conducted by University of Sri Jayewardenepura, Sri Lanka to formulate the university IT strategy – May 2009.
- Member of the Panel of Judges – National Best Quality Software Awards 2009 organized by the British Computer Society, Sri Lanka Section - 2009
- Resource Person, Workshop conducted by the Department of Examination to decide on the paper structures of the GCE(AL) to be held on 2011 - May 2009.
- Member of the Technical Evaluation Committee on course materials proposed for the International Pedagogical ICT Licenses Teacher Training Programme, Education for Knowledge Society Project, Ministry of Education – 2008.
- Member of the Panel of Judges – National Best Quality Software Awards 2008 organized by the British Computer Society, Sri Lanka Section - 2008
- Coordinator of the Bachelors of Computer Science (BCSc) Degree Programme, UCSC 2006 – 2009.
- Member of the Advisory Committee – Postgraduate Diploma in Geoinformatics, Institute of Human Resource Advancement (IHRA), University of Colombo.
- Member of the Procurement Committee – Ministry of Nation Building and Estate Infrastructure Development – 2008
- Chairman of the Procurement Committee – Ministry of Posts and Telecommunications - 2008
- Resource Person, ICT week, C/S Girls' High School, Mount Lavinia, September 2006.
- Resource Person, Workshop on GIS/MIS, Chief Secretary's Office, Western Province, February, 2006
- Member of the Advisory Committee on Information Communication Technology, Ministry of Education, 2006
- Reviewer of Research Grant Applications – 2006/2007, National Science Foundation, Sri Lanka.
- Resource Person, Workshop on Developing an Educational Management System (EMIS), Ministry of Education, May, 2006

- Member of the Technical Evaluation Committee, Task Force for Rebuilding the Nation (TAFREN), 2005,2006
- The Chairman/Member of the Technical Evaluation Committee, Secondary Education Modernization Project, Ministry of Human Resource Development Education and Cultural Affairs. 2005,2006,2007
- Head of the JICA sponsored Multi-Media Database Systems for WBT research group 2002-2005
- Principal Investigator, University of Colombo School of Computing, of a research project entitled “Addressing the Data Management Challenges of Disaster Information Management” initiated with the Department of Computer Science, University of Maryland and funded by National Science Foundation (NSF), USA. 2005
- Member of the Resource Team – Development of the Information Communication Technology Syllabus for National Colleges of Education, National Institute of Education, 2005
- Secretary, Board of Study for Internal Undergraduate Degrees, University of Colombo School of Computing, 2003 - 2009
- Senior Treasurer – University of Colombo School of Computing Student Union, 2003 - 2008
- Member of the Database Advisory Panel for Medicinal Plant Project for the Sri Lanka Country Office, IUCN, The World Conservation Union, 2001 – 2003.
- The Chairman of the Technical Evaluation Committee of the Database Advisory Panel for Medicinal Plant Project for the Sri Lanka Country Office, IUCN, The World Conservation Union.
- Member of the Technical Evaluation Committee of the University of Colombo, December 2001 - 2009.
- Technical Team Leader – Customizing, Implementing and Maintaining a National Higher Education Management Information System (HEMIS) at the Ministry of High Education , 2008 – 2010.
- Project Leader, Training nearly 1000 school teachers on ICT, The Ministry of Education Cultural Affairs. 2003 - 2004
- Member of the Technical Evaluation Committee of the National Savings Bank, 2002
- Visiting Lecturer, South Eastern University of Sri Lanka, 2002-2004
- External Examiner, South Eastern University of Sri Lanka, 2002-2004
- External Examiner, University of Peradeniya, Sri Lanka, 2004
- External Examiner, University of Ruhuna, Sri Lanka, 2004
- Resource Person (Information Communications Technology Syllabus design, NIE) - 2004
- Assisted the National Child Protection Authority to develop a Database to track children affected by the Tsunami disaster, December 2004 – March 2005
- IT Specialist, Teacher Education and Teacher Deployment Project (TETD) Project to Install a Unit Cost Resource Allocation Formula for Teacher Education Institute, Ministry of Human Resource Development Education and Cultural Affairs. 2002.
- Taught Computer Science for the undergraduate students at General Sir John Kotelawala Defence Academy, Ratmalan as a visiting lecturer from 1993-1994.
- Member of the Steering Committee, 17th International Conference on Advances in ICT for Emerging Regions (ICTer) 2017, Colombo, Sri Lanka.

- Program co-charir,18th International Conference on Advances in ICT for Emerging Regions(ICTer) 2018, Colombo, Sri Lanka.
- Member of the technical program committee,Program co-charir,18th International Conference on Advances in ICT for Emerging Regions(ICTer) 2018, Colombo, Sri Lanka.
- Resource person, Conduction a on-line workshop series for A/L ICT school teachers on Programming, 8/2022-9/2022

I had been an external reviewer of the following degree programs.

- 1) Bachelor of Science Honours in Artificial Intelligence – Faculty of Information Technology, University of Moratuwa, Sri Lanka
- 2) Bachelor of Science Honours in Software Engineering, Faculty of Science, University of Kelaniya. Sri Lanka

Publications (Books/Book Chapters)

1. Information Communication Technology, Grade 11, Educational Publications Department,2009, Author of Chapter 1.

Publications Edited

1. Information Communication Technology, Grade 10, Educational Publications Department,2009, Editor.

Major Projects

1. Consultant, Workshop for UDG-IT Coordinators, Ministry of Higher Education, 2012.
2. Project Leader, Improving IT Proficiency of University New Entrants, 2011 ,Project Ministry of Higher Education, Higher Education for Twenty first Century (HETC) Project, Total value Rs. 7655,800.
3. Design, Development and Implementation of an on-line testing system,2011, Project Coordinator ,Institute of Chartered Accounts of Sri Lanka, Total value Rs. 550,000.
4. Implementation of a National Higher Education Management Information System(Joint Project with HIS Hochschul-Informations-System GmbH, Germany),2007,Project Leader, Ministry of Higher Education, IRQUE Project,Total value Rs. 3,100,000.
5. Addressing the Data Management Challenges of Disaster Information Management, 2005-2006,Principal Investigator, University of Maryland, USA, Total value US\$. 22,400.
6. Research on Application of Multimedia Databases,2001-2005,Project Leader, Japan International Cooperation Agency (JICA), Total value Rs. 10,000,000 (Approximately).

7. Training 750 school teachers in Computer Assisted Learning,2003-2004,Project coordinator, Ministry of Education, Secondary Education Modernization (SEMP) Project. Total value Rs 3,900,000 Rs(Approximately).

Peer reviewed Journal publications

1. R. Heiyanthuduwege, D. D. Karunaratna, An Ontology Based Architecture to Enhance the Usability of E-Learning Systems, PCTE Journal of Computer Science, Jul-Dec.,2005, Punjab College of Technical Education, India.
2. H. Ekanayake, D.D. Karunaratna and K.P. Hewagamage ,Cognitive Architecture For Affective eLearning , International Journal of the Computer, the Internet and Management, Vol 14 Number SP1 August 2006
3. S.R. Heiyanthuduwege, D. D. Karunaratna, A Learner Oriented Ontology Of Metadata To Improve Effectiveness Of Learning Management Systems, International Journal of the Computer, the Internet and Management, Vol 14 Number SP1 August 2006
4. S.C. Premaratne, D.D. Karunaratna, K. P. Hewagamage, An Effective Profile Based Video Browsing System for e-Learning. The Electronic Journal of e-Learning, Volume 5 Issue2, 2007,pp135-146.
5. G.N.Jayasena, D. D. Karunaratna. Towards an Enabling Framework for eDemocracy through the Integration of Citizen Participation along the Spatial Dimension Using Free and Open Source Technologies. International Journal of The Computer, The Internet and Management, Volume 15, Number SP4, November 2007.
6. S.R. Heiyanthuduwege, D. D. Karunaratna,An Iterative and Incremental Approach for e-Learning Ontology Engineering, International Journal of Emerging Technologies in Learning (iJET), Volume 4,Issue 1, 2009.
7. Hiran B. Ekanayaka, D. D. Karunaratna,K. P. Hewagamage, Determining the Psychological Involvement in Multimedia Interactions, International Journal on Advances in ICT for Emerging Regions (ICTer), Vol 2, Number1-2, December 2009.
8. Enosha Hettiarachchi ,Peter Mozelius, K.P.Hewagamage, Mathias Hatakka, Isuru Balasooriya, D. D. Karunaratna . “eNOSHA- The Design and Development of a Learning Object Repository”,The International Journal on Advances in ICT for Emerging Regions, Volume 3, No 1,2010.
9. Gihan N. Wikramanayake, D.D. Karunaratne , Dilkushi S. Wettewe, Evaluation of English and information technology skills of new entrants to Sri Lankan universities, International Journal of Information and Education Technology (IJIET) Volume 2, Issue 2,Pages 171-174, Jan, 2012.

10. PB Jayasekara, L Sivaneasharajah, MAS Perera, J Perera, DD Karunaratne, KD Sandaruwan, RN Rajapakse, Facial Index Based 2D Facial Composite Process for Forensic Investigation in Sri Lanka, Forensic Medicine and Anatomy Research, Volume 4, Issue 01, Pages 7-16, January 2016.
11. Roshan N Rajapakse, Damitha Saddaruwan, Damitha D Karunaratna, Subhashini Samaraweera, Muditha Vidanapathirana, Automated Extraction of Cranial Landmarks from Computed Tomography Data using a Combined Method of Knowledge and Pattern Based Approaches, Applied Medical Informatics Journal, Volume 38, Issue 1, Pages 1-12, March 2016.
12. L Sivaneasharajah, MAS Perera, PB Jayasekara, J Perera, DD Karunaratne, KD Sandaruwan, RN Rajapakse, Forensic art: 2D facial composite through image processing techniques in Sri Lanka, Sri Lanka Journal of Forensic Medicine, Science & Law, Department of Forensic Medicine, Faculty of Medicine at University of Peradeniya, Volume 7, No 2, 2016.
13. Lochana T Batuwitige, Aparni Jayawardena, Himashi Sandamini, Roshan N Rajapakse, Damitha D Karunaratna, Muditha Vidanapathirana, Aruna Pallewatte, Developing a Unified Facial Tissue Thickness Model from Neuroimaging Data for Sri Lanka Using Statistical Analysis and Image Processing Techniques, International Journal of Research – Granthaalayah, Vol 5, Issue 7, 2017
14. D D Karunaratna, Nasik Shafeek, An Extensible Approach to Generate Flowcharts from Source Code, International Journal of Research – Granthaalayah, Vol 6, Issue 9, Pages 505-519, September, 2018
15. D D Karunaratna, Building Ontologies Over Relational Databases, International Journal of Research – Granthaalayah, Vol 6, Issue 11, November, 2018
16. Himashi Sandamini, Aparni Jayawardena, Lochana Batuwitige, Roshan Rajapakse, Damitha Karunaratne, Muditha Vidanapathirana, Aruna Pallewatte, Facial Soft Tissue Thickness Trends for Selected Age Groups of Sri Lankan Adult Population, Forensic Science International, Volume 293, Pages 102.e1-102.e11, December 2018.
17. M D S Seneviratne, K S D Fernando, D D Karunaratna, Generation of relation-extraction-rules based on Markov logic network for document classification, International Journal of Advanced Computer Research (IJACR), Volume 9, Issue 41, Pages 94-111, March, 2019
18. M D S Seneviratne, K S D Fernando, D D Karunaratna, Markov logic for statistical relation extraction, International Journal of Advanced and Applied Sciences (IJAAS), Volume 7, Issue 10, Pages 1-11, June 2020
19. Ruwanari Heenkenda, Damitha Karunaratne, Shiromi Arunatilake, Generating a digital signature for singers to identify their songs, Sabaragamuwa University Journal of Computer Science, Vol 1, Issue 1, 2021

Peer reviewed Conference Publications (Full Papers)

1. D. D. Karunaratna, W. A. Gray, and N. J. Fiddian; Establishing a Knowledge Base to Assist Integration of Heterogeneous Databases; In Proceedings of the 16th British National Conference on Databases, Cardiff, U.K., July 1998.
2. D. D. Karunaratna, W. A. Gray, and N. J. Fiddian; Organising Knowledge of a Federated Database System to Support Multiple View Generation, In Proceedings of the 5th Knowledge Representation Meet Databases Workshop, Seatel, U.S.A., May 1998.
3. D. D. Karunaratna, W. A. Gray, and N. J. Fiddian; A Knowledge Based Approach for Database Integration. In Proceedings of the 9th International Conference on Management of Data, Hyderabad, India, December, 1998.
4. D. D. Karunaratna, W. A. Gray, and N. J. Fiddian, Exploitation of database meta-data in assisting database interoperation. In IEE Colloquium Multimedia Databases and MPEG-7, London, UK, 1999
5. D. D. Karunaratna, W. A. Gray, and N. J. Fiddian, Exploitation of Meta-data of a Federation in the Creation of Multiple Views, In International Information Technology Conference (IITC), Colombo, Sri Lanka, 1999.
6. D. D. Karunaratna, Exploration of Semantic Information in the Creation of Multiple views of a Federated Database System, PhD thesis Department of Computer Science Cardiff University, UK, 2000.
7. Tilan Ukwatta, D. D. Karunaratna,;Virtual Internet Personal Computer (VIPC),International Information Technology Conference(IITC 2002), Colombo, Sri Lanka,October,2002
8. K. P. Hewagamage, D.D. Karunaratna, G.N. Wickramanayake and G.K. Dias, "An Open Multimedia Database for Web Based Teaching" In Proceedings of The Tenth International Conference of Virtual Systems and Multimedia (VSMM2004), Ogaki City, Japan,November 2004.
9. S.C. Premaratne, D.D. Karunaratna, G.N. Wickramanayake, K. P. Hewagamage, and G.K. Dias, "Profile Based video Segmentation System to Support E-learning" in Proceedings of 6th International IT Conference 2004 (IITC2004), Colombo, Sri Lanka,November 2004
10. T. Silva, D.D. Karunaratna, G.N. Wickramanayake, K. P. Hewagamage, and G.K. Dias, "Speaker Search and Indexing for Multimedia Databases" in Proceedings of 6th International IT Conference 2004 (IITC2004), November 2004.
11. H.K.T.K. Wijayasiriwardhane, P.G. Wijayarathna and D. D. Karunaratna. A Method to Generate Test Cases for Performing Bass Path Testing. In Proceedings of 6th International IT Conference 2004 (IITC2004), Colombo, Sri Lanka, November 2004.
12. Manjith Gunatilaka, Gihan Wikramanayake, Damitha Karunaratna, Improving B2B Transactions by Exploiting Business Registries, in Proceeding of the National IT Conference(NITC 2004), Colombo, Sri Lanka,2004

13. Manjith Gunatilaka, Gihan Wikramanayake, and Damitha Karunaratna, Implementation of Ontology Based Registries to Support e-Commerce. In Proceedings of 6th International IT Conference 2004 (IITC2004), November 2004
14. S.C. Premaratne, D.D. Karunaratna, G.N. Wickramanayake, K. P. Hewagamage, and G.K. Dias, "Implementation of a video segmentation system to support E-learning " In Proceedings of the International Conference on Information Management in a Knowledge Society (ICIM 2005), Mumbai, India, February 2005
15. Manjith Gunatilaka, Gihan Wikramanayake, and Damitha Karunaratna, Ontologies in Business Registries to Support e-Commerce. In Proceedings of the International Conference on Information Management in a Knowledge Society (ICIM 2005), Mumbai, India, February 2005
16. J. Fernando, D.D.Karunaratna, and G.D.S.P. Wimalaratne, An Agent Based Visual Language for Virtual Worlds, In Proceedings of the 2nd Annual Sessions of the Sri Lanka Association for Artificial Intelligence, February 2005.
17. S.C. Premaratne, D.D. Karunaratna, G.N. Wickramanayake, K. P. Hewagamage, and G.K. Dias, Efficient Profile Construction Algorithm for Video Indexing in E-Learning. In Proceedings of International Conference of Virtual Systems and Multimedia (VSMM2005), Belgium, September 2005
18. R. Heiyanthudueage, and D. D. Karunaratna, An Ontology Bases Architecture to Enhance the Usability of E-Learning Systems. In Proceedings of the International Conference on Challenges and Opportunities in IT Industry (ICCII-2005), India, November 2005.
19. R. Heiyanthuduwege, D. D. Karunaratna, Improving Usability of e-Learning Systems by Using Ontologies . In Proceedings of 7th International IT Conference (IITC2005), November 2005
20. S.C. Premaratne, D.D. Karunaratna, G.N. Wickramanayake, K. P. Hewagamage, and G.K. Dias, Improvised Profile Construction for Multimedia Databases in E-Learning. In Proceedings of the MMU International Symposium on Information and Communications Technologies (M2USIC 2005), Malaysia, November 2005.
21. S. R. Heiyanthuduwege, D. D. Karunaratna, User Oriented Ontology to Increase the User Acceptance of e-Learning Management Systems, In Proceedings of International Conference on Business IT 2006 (BIZIT'06), Malaysia, August, 2006
22. S. R. Heiyanthuduwege, D. D. Karunaratna, A Lerner Oriented Ontology Based Architecture to Enhance e-Learning Management Systems, In Proceedings of International Conference on Interactive Computer Aided Learning (ICL2006), Villach,Austria, September 2006
23. Heiyanthuduwege, S. R., & Karunaratne, D. D. A learner oriented ontology to make effective learning management systems. In 2006 1st International Conference on Digital Information Management, ICDIM,Bangalore,India, December 2006 (pp. 476-481).
24. H. Ekanayake, D. D. Karunaratna, K. P. Hewagamage. Behavior-based Cognitive Architecture for Meditative E-Learning. In Proceedings of the 8th International Information Technology Conference (IITC2006), Colombo, Sri Lanka, October 2006

25. S. R. Heiyanthuduwage, D. D. Karunaratna, Ontology Support for Learning Object Retrieval and Enhancing Usability. Third International Conference on Open and Online Learning, Penang, Malaysia, June 2007 – Chosen as the Best International Paper.
26. G.N.Jayasena, D. D. Karunaratna. Information Integration in a Collaborative Web Portal along the Spatial Dimension. Second International Conference on Industrial and Information Systems (ICIIS 2007), August 2007, Colombo, Sri Lanka.
27. P.A.G.Nonis, D.D. Karunaratne. Design a Service Oriented Customizable Framework to Manipulate GIS Data. 9th International Information Conference (IITC 2008), October 2008, Colombo, Sri Lanka.
28. Karthiga R Ratnam, D.D. Karunaratne. Application of Ontologies in Disaster Management. 9th International Information Conference (IITC 2008), October 2008, Colombo, Sri Lanka.
29. Peter Mozelius, Enosha Hettiarachchi, K.P. Hedwagamage, Mathias Hatakka, Isuru Balasooriya, D. D. Karunaratna. Design and Development of a Learning Object Repository, eASIA 2009, December 2009, Colombo, Sri Lanka.
30. Peter Mozelius, Enosha Hettiarachchi, K.P. Hewagamage, Mathias Hatakka, Isuru Balasooriya, D. D. Karunaratna. eNOSHA, a Learning Object Repository – Design for Flexibility, Reusability and User Friendliness, 5th International Conference on ICT for Development, Education and Training, May 2010, Lusaka, Zambia.
31. Samantha Mahavidanage, D. D. Karunaratna, An Overview of Remote Sensing Classification for Land-Cover / Land-Use Mapping And Research for the Optimum Image Classification Approach for Tea Plantation Land Use of Sri Lanka, International Conference on Advances in ICT for Emerging Regions 2010 (ICTer2010), September 29 - October 1, 2010, Colombo, Sri Lanka.
32. Invited Paper, Ontology – What and Why?, 7th Annual Sessions of the Sri Lanka Association for Artificial Intelligence, November 2010.
33. M Careem, D Karunaratne, Enhancing data integration and discovery with ad hoc registries, Proceedings of the 13th International Conference on Information Integration and Web-based Applications and Services, December 2011.
34. K P Hewagamage, G Chaturi, D Karunaratne, Integrated Virtual Learning Environment Model for Schools with Limited Resources for Online Learning, 3rd International Conference on Education and New Learning Technologies (EDULEARN11), July, 2011, Barcelona, Spain.
35. T K. Wijayasiriwardhane, P. G. Wijayarathna, D.D. Karunaratne, An Automated Tool to Generate Test Cases for Performing Basis Path Testing, in The International Conference on Advances in ICT for Emerging Regions (ICTer), Colombo, Sri Lanka: Sep, 2011.
36. Mifan Careem, Damith Karunaratne, Utilizing Extract-Transform-Load to Enhance Metadata-Driven Data Discovery, International Conference on Software Technology and Engineering (ICSTE 2012), Phuket, Thailand, September 2012.
37. M.D.S.R.A. Mahavidanage and D. Karunaratna, Supervised Learning for Land-Use Mapping of Tea Plantation, Jaffna University International Research Conference, Jaffna, Sri Lanka, July 2012.

38. KP Hewagamage, GN Wikramanayake, DD Karunaratne, S Arunasalam, Outcome and Challenges of Guiding Large Number of Distance Learning Students to Complete their Final Year Projects Successfully, in the Asian Conference on Technology in the Classroom, Osaka, Japan, 2012.
39. Kasun Dileepa Perera, D D Karunaratna, Ontology Based Annotation Mechanism for Financial Documents, in The International Conference on Advances in ICT for Emerging Regions (ICTer), Colombo, Sri Lanka: Sep, 2013.
40. Careem M, Karunaratna D, Improving geospatial data discovery by enhancing public metadata catalog search services, in National engineering conference engineering research for national building, University of Moratuwaw, Moratuwa, Sri Lanka, 2013.
41. Charaka Hettiarachchi, Waruna Kodituwakku, Dasitha Wijesundara, G. K. A. Dias, D.D. Karunaratne, Forecasting Tourist Arrivals in Sri Lanka, in 2nd International Conference on Hospitality and Tourism Management, Colombo, Sri Lanka: Oct, 2014.
42. Kasun Dileepa Perera, D D Karunaratna, KeyGraph and WordNet Hypernyms for Topic Detection, in The 12 th International Joint Conference on Computer Science and Software Engineering (JCSSE), Hatyai, Thailand: July, 2015.
43. Wijayasiriwardhane, Thareendhra Keerthi; Wijayarathna, Gamini; Karunaratna, Damitha, Improving the Skill of Writing Defect Free Code: An Educational Software Tool for Computing Undergraduates, 7th Annual International Conference on Computer Science Education: Innovation & Technology (CSEIT 2016), Singapore: October, 2016.
44. Muditha Vidanapathirana, Roshan N Rajapakse, Damitha D Karunaratne, KD Sandaruwan, N Dhammika, R Ranepura, S Samaraweera, RRGs Amaratne, Accuracy Assessment of A Forensic Facial Reconstruction Initiative In Sri Lanka Via 2nd Facial Landmarks Comparison, in The 12th Indo Pacific Association of Law, Medicine and Science (IfSPALMS) Congress, Bali, Indonesia, September 2016.
45. Chalitha Kulathunga, D.D. Karunaratne, An Ontology-based and Domain Specific Clustering Methodology for Financial Documents, in The International Conference on Advances in ICT for Emerging Regions (ICTer), Colombo, Sri Lanka: Sep, 2017.
46. Gihan M Ubayawardana, D.D. Karunaratne, Bug Prediction Model Using Code Smells, in The International Conference on Advances in ICT for Emerging Regions (ICTer), Colombo, Sri Lanka: Sep, 2018.
47. Nasik Shafeek, D.D. Karunaratne, _toFlowchart: A Prototype Compiler to Convert Source-Code to Flowchart, in The International Conference on Advances in ICT for Emerging Regions (ICTer), Colombo, Sri Lanka: Sep, 2018.
48. Using Bezier Curves to Refine Road Vector Data through Satellite Images, Maneesha Perera, Damitha Karunaratne, Enosha Hettiarachchi, International Conference on Information Technology (ICIT 2018), Hong Kong, China, December, 2018.
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Damanit.

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