

# Dr Wijendra Gunathilake

## PERSONAL DETAILS

Name in Full : Habaragamu Ralalage **Wijendra** Peiris Gunathilake  
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## HIGHER EDUCATION

- 2015-2016 Certificate in Research Supervision, School of Education, Staffordshire University, UK
- 2015-2016 Post Graduate Certificate in Higher and Professional Education (Passed with a Merit), School of Education, Staffordshire University, UK
- 2010-2015 Ph.D in Computer Science, School of Computing and Mathematics, Keele University, UK (Research on Quality Assessment of Knowledge Management Systems)
- 2004-2006 M.Sc in Information Technology, University of Colombo School of Computing (UCSC), Sri Lanka (Modules studied: Information Systems, System Analysis and Design, Programming Techniques, Advanced Database Management, Data Communication and Networking, Software Engineering, Multimedia Technologies, Business Intelligence, Data Warehousing and Data Mining, IT Project Management. Dissertation: "e-Learning Content for Software Project Management in B.Sc in IT Degree")
- 2002-2004 M.Sc in Operations Research, University of Moratuwa, Sri Lanka (Modules studied: Operations Research, Statistics, Econometrics, Research Methodology, Operations Management, Supply Chain Management, Enterprise Information Systems, Management and Marketing. Dissertation: "Use of ICT for Teaching and Learning Process at Technical Colleges")
- 2000-2001 Post Graduate Diploma in Education-University of Colombo, Sri Lanka (Dissertation: "Improving the Effectiveness of Technical Colleges through Total Quality Management")
- 1993-1996 B.Sc. Degree with Second Class,  
Faculty of Science, University of Colombo, Sri Lanka.

## PROFESSIONAL MEMBERSHIPS

Member of British Computer Society (BCS), UK  
Member of Computer Society of Sri Lanka (MCSSL)  
Member of Software Engineering Research Group, School of Computing and Mathematics, Keele University, UK

## **PRESENT OCCUPATION**

Since November 2017

Senior Lecturer in Computer Science, Faculty of Computing, Gen. Sir John Kotalawela Defence University, Rathmalana, Sri Lanka.

Current responsibilities include undergraduate and postgraduate teaching, supervision and examination of dissertations, curriculum development, conducting research and assurance of quality degree programmes, coordinator for International Research Conference 2018, leader of the Faculty of Computing quality assurance cell, member in a national project on electronic patient records management and working as the leader in Information Systems research group.

## **EXPERIENCE**

Since March 2017

Senior Lecturer Gr II in Computer Science, Department of Statistic and Computer Science, University of Kelaniya, Sri Lanka (on contract)

Responsible for undergraduate and postgraduate teaching, supervision and examination of dissertations, curriculum development and conducting research.

Sept. 2015-Nov. 2016

Full Time Lecturer, School of Computing, Faculty of Computing, Engineering and Sciences, Staffordshire University, UK

Responsible for all the duties as a full time Lecturer. Mainly responsible for delivery and assessment of on campus, distance and work based learning modules for foundation, undergraduate and postgraduate programmes and research supervision. Other responsibilities include Module Leader for Professional Computing Research Methods (Distance Learning) module, supervising B.Sc Final Year Projects for on campus, distance learning and work based learning -currently NHS, BT and Vodafone, supervisor and examiner for M.Sc dissertations, second assessor for final year projects, supervisor for PhD students, committee member for B.Sc curriculum development, committee member for course validation)

May 2015-Aug. 2016

Part Time Lecturer in IT at Coventry University, UK

Responsible for conducting lectures and writing materials for modules in B.Sc degree programmes in IT and Management. Gained experience on delivery, assessment and material writing in IT and management modules. Awarded a certificate as a Member of Outstanding Teaching Team at the Coventry University Teaching Excellence Award -2015

Nov. 2014- Aug. 2015

Part Time Lecturer at Business School, Staffordshire University, delivery and assessment of modules related to Operations and Supply Chain Management, Project Management, Management Information Systems and supervision of dissertation projects.

Feb. 2011- Oct. 2014

Part time Lecturer at Stoke College of Management and IT(SCMIT), Staffordshire, UK - Responsible for student recruitment, conducting lectures, preparation of training plans, supervision of projects, coordination, moderation and evaluation of certificate to graduate diploma level programs in IT and Management for BCS, ATHE and CMI. Worked as the Head of IT courses and participated for QAA audits.

Jan. 2011-Dec. 2012

Exam Invigilator, Keele University, Staffordshire, UK

Jan.-Dec. 2011

Teaching Assistant, School of Computing and Mathematics, Keele University, Staffordshire, UK, Responsible for assisting teaching and evaluation of B.Sc and M.Sc programmes of the school.

July-Nov. 2010

Lecturer at University of Colombo School of Computing (UCSC), Sri Lanka

Responsible for conducting lectures for B.Sc and M.Sc Degree programs, supervising dissertations, student evaluation and involve in research, consultancy and training projects in collaboration with other organizations. Contributed to the administrative functions of the university examinations and student training placements by liaising with business organizations and organizing seminars, project presentation events and poster presentation sessions.

Jan. 2007- July 2010

Instructor at College of Technology in Sri Lanka under the Dept. of Technical Education and Training. (Worked for Japanese International Cooperation Agency-JICA funded project for implementing courses leading to degree).Responsible for conducting lectures and Supervising students' final projects. Involved in curriculum development and quality assurance of the programs and JICA project related activities for implementing proposed new courses for NVQ levels. Involved in student selection with administrative staff and industrial training placement in collaboration with the college and external organizations. Worked as a module leader for Information Systems, member of the strategic plan development committee and Internal Quality Audit Coordinator of the college in ISO 9000 Quality Management System. Worked as a council member of the Technical Development & Training (Gte) Ltd. at the College of Technology to represent ICT field.

Dec. 2005- Dec. 2006

Management Consultant at National Institute of Business Management (NIBM-productivity and management division). Conducted lectures in project management, operations management, information systems and industrial management certificate and diploma and higher diploma level programmes. During this period I successfully conducted short term training programmes on Software Quality Management and Research Methodology by working as the course director and involved in designing and conducting training programmes of the division. Worked as a consultant for projects in government and private organizations in ISO 9000 quality management system implementation and productivity improvement.

July 2000- Dec. 2005: Instructor at Technical College, Rathmalana under the Department of Technical Education and Training. Worked as the Assistant Quality Management Representative (AQMR).

Part Time

During the period from 2000-2010, I have held part time/visiting lecturer roles in higher education institutes in Sri Lanka in delivering programmes during weekends, evenings and online as detailed below.

2006-2009 Part Time Lecturer at Dept. of Management Studies, Open University of Sri Lanka

Responsible for preparation and delivery of lectures and tutorials for online and face-to-face delivery, marking exam papers, assessment and moderation of modules related to Management Information Systems (MIS), Project Management and Operations and Supply Chain Management and supervising students' dissertations for Commonwealth Executive MBA and B.Sc(Business Management) programs.

2008-2010 Part Time Lecturer at Institute of Post Graduate Studies (IPGS), Sir John Kotalawala Defense University, Sri Lanka

Duties carried out include conducting lectures, preparation of exam papers and student evaluation in M.Sc and B.Sc in Management programs. Worked as an Examiner and supervisor for M.Sc and B.Sc students' dissertations. Modules taught include Information Systems, Quantitative Techniques, Operations Management and Project Management.

2007-2010 Part Time Lecturer at ICFAI University India, (Sri Lanka Branch)

Responsible for conducting lectures and student evaluation in IT and Systems, Operations and Supply Chain Management and Management Information Systems modules in B.Sc and BBA programs.

2008-2010 Online Tutor/Mentor Faculty of IT, University of Moratuwa for B.Sc (IT) Duties carried out include preparation and delivery of lectures and tutorials, preparation of materials for online delivery, marking, assessment, moderation and student consultation for undergraduate and postgraduate programs. Module leader for modules on Social Aspects of IT, Business Support Systems and Professional Practice in IT.

2009 Consultant/Moderator of Study Guides for Chartered Institute in Accountancy , Sri Lanka (ICASL) for Information Management Module

2006-2007 Visiting Lecturer/Consultant at National Institute of Business Management (NIBM)

Preparation, delivery and assessment in training programmes of the productivity and management division

2000-2009 Part Time Lecturer at University of Vocational Technology (UNIVOTEC) / National Institute of Technical Education (NITE)

Responsible for delivery and assessment of ICT and Mathematics in Training Programs for trainers in Vocational Education Sector and Mentor for Diploma in Quantity Surveying (Distance Learning) course for Dubai and Qatar. Preparation and delivery of lectures and tutorials, course design and preparation of materials for online and face-to-face delivery, marking, assessment, moderation and student consultation for diploma, undergraduate and postgraduate programs.

2000-2003 Part Time Lecturer in Engineering Mathematics for the Faculty of Engineering, Open University, Nawala , Nugegoda.

## **RESEARCH PUBLICATIONS**

- Gunathilake W, Yakupitiya KC, (2018) Workers' Alcohol Detection and Prevention System, 11<sup>th</sup> International Research Conference, 13-14<sup>th</sup> September 2018, Gen. Sir John Kotalawela Defence University, Rathmalana, Sri Lanka.
- Gunathilake W, Silva UDVA De and Wedasinghe, (2018) An Efficient Web Enabled Automatic Emergency Medical Assistance System Using Android, 11<sup>th</sup> International Research Conference, 13-14<sup>th</sup> September 2018, Gen. Sir John Kotalawela Defence University, Rathmalana, Sri Lanka.
- Gunathilake W and Neligwa T, (2017) A Quality Assessment Framework for Knowledge Management Software (Journal article-under review)
- Gunathilake W and Neligwa T, (2016) Systematic Literature Review on a Quality Assessment Framework for Knowledge Management Software (Journal article-under review)
- Gunathilake W and Neligwa T, (2016) Systematic Literature Review Protocol: A Quality Assessment Framework for Knowledge Management Systems ((Journal article to be published)
- Gunathilake W and Neligwa T, (2015) Quality of e-Learning and Knowledge Management Software, Proceedings of Faculty of Natural Science Doctoral Research Symposium, Keele University, UK
- Gunathilake W and Neligwa T, (2014) Evaluation of Quality Assessment Framework for Knowledge Management Software, Proceedings of Post Graduate Research Symposium, School of Computing and Mathematics, Keele University, UK
- Gunathilake W and Neligwa T, (2013) A Quality Assessment Framework for Knowledge Management Software, Poster Presentation for the 6th York Doctoral Symposium on Computer Science, York University
- Gunathilake W and Neligwa T, (2013) A Quality Assessment Framework for KMS Software: Reflections on Conducting a Systematic Literature Review, KIM2013 Knowledge and Information Management

- Gunathilake W and Neligwa T (2013) Towards a Quality Assessment Framework for KMS Software: A Mapping Study, KIM2013 Knowledge and Information Management
- Gunathilake W and Neligwa T (2013) Lessons Learned on Conducting a Systematic Literature Review in Software Engineering, Proceedings of Post Graduate Research Conference, School of Computing and Mathematics, Keele University, UK
- Gunathilake W and Neligwa T, (2011) Towards a Quality Assessment Framework for KMS Software: A Mapping Study, Proceedings of Post Graduate Research Symposium, School of Computing and Mathematics, Keele University, UK
- Gunathilake W and Neligwa T, (2011) Technical Report: Systematic Literature Review Protocol: A Quality Assessment Framework for a Knowledge Management Software, School of Computing and Mathematics, Keele University, UK
- Gunathilake Wijendra, (2009) ICT Enabled Customized Training Programs for Enhancing the TEVT Sector Partnership with Industry, Proceedings of International Vocational Education and Training Asia (IVETA) conference on 20<sup>th</sup> -22<sup>nd</sup> Aug. in Sri Lanka
- Gunathilake Wijendra, Perera Chandana and Jayasena Sanath, (2009), Innovativeness in Higher Education through Knowledge Management, Proceedings of National IT Conference, Computer Society of Sri Lanka
- Gunathilake Wijendra, Jayalath J.G. (2009), Why Sri Lankan Customers are Reluctant to Use e-Commerce? Proceedings of National IT Conference, Computer Society of Sri Lanka
- Gunathilake Wijendra, (2009), accepted paper on Role of ICT in Managing Knowledge for Innovation, e-Asia 2009
- Gunathilake Wijendra, (2009), accepted paper on Improving Productivity through Training Employees using Mobile Learning, e-Asia 2009

#### **PROFESSIONAL ACTIVITIES**

- Reviewer: Journal of IEEE Transactions on Learning Technologies
- Reviewer: Journal of Applied Computing and Informatics
- Reviewer: International Journal of Computer and Information Technology (IJCIT)
- Reviewer :International Conference on Electronics Engineering, Advanced Communication, and Information Technology (EEACIT) 2013 16<sup>th</sup>-17<sup>th</sup> Nov. 2013, Kuala Lumpur, Malaysia
- Session Chair :Knowledge and Information Management (KIM 2013) conference 4<sup>th</sup>-5<sup>th</sup> June 2013, Coventry, UK
- Poster judge :Graduate School Research Symposium 11<sup>th</sup>-12<sup>th</sup> May 2011, Keele University, Staffordshire, UK

#### **CONFERENCES ATTENDED**

- Digital University- 2016, Staffordshire University, UK
- Doctoral Research Conference -2015, Staffordshire University, UK
- University Excellence Awards-2015, Coventry University, UK
- Statistical Analysis for Software Engineering using R-2014, Brunel University, Uxbridge, UK
- Psychology of Programming Interest Group Workshop 2013, Keele University, Staffordshire, UK
- Knowledge and Information Management (KIM 2013) conference, Coventry, UK
- York Doctoral Symposium on Computer Science (YDS 2013), York, UK
- Graduate School Research Symposium 2011, Keele University, Staffordshire, UK
- 10th European Conference on e-Learning ECEL-2011 (ECEL), Brighton, UK
- International Conference on Advances in ICT for Emerging Regions (ICTer), 2010 Colombo, Sri Lanka
- e-Asia Conference 2009, Colombo, Sri Lanka

## **GRANTS & SCHOLARSHIPS AWARDED**

- Travel grant to attend 6th York Doctoral Symposium on Computer Science (YDS 2013)
- Travel grant to attend Knowledge and Information Management (KIM 2013) conference, Coventry, UK
- Travel grant to attend 10th European Conference on e-Learning ECEL-2011 (ECEL), Brighton, UK
- International Partial Scholarship from Keele University for Doctoral study in Computer Science
- Research grant from Japanese International Cooperation Agency(JICA) to conduct a study on Employee Training Using Mobile Learning-2009
- Research grant from Asian Development Bank (ADB) project on Technical Education Development in Sri Lanka to conduct the survey on “Use of ICT for Teaching and Learning Process in Technical Colleges”- 2004
- Staff training grant to attend in country training programme on “Cost Effectiveness of Technical Education” conducted by Colombo Plan Staff College of Manila, Phillipines-2004
- 25<sup>th</sup> Anniversary Professional Internship Program for International Experience scholarship for One Year Internship at Colombo Plan Staff College, Manila, Philippine(Could not attend)-2003
- Presidential Scholarship Award for academic staff members-2003 for in country Masters Degree in IT(Followed M.Sc in IT at University of Colombo, Sri Lanka
- Asian Development Bank Scholarship for training program on Quality Assurance for Vocational & Technical Education Sector at TAFE NSW, Sydney, Australia -2003
- Presidential Scholarship Award for young graduates 1999 with stipend for in country Masters Degree(Followed M.Sc in Operational Research at University of Moratuwa, Sri Lanka)

## **PROFESSIONAL DEVELOPMENT**

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|-----------------|--|
| Aug. 2016       | Training programme on Personal Tutoring for undergraduate and postgraduate students, Professional Development Center, Staffordshire University, UK                     |
| Dec. 2015       | Training programme on Supervising international doctoral degree students, Graduate School, Staffordshire University, UK  |
| Sept. 2015      | Training programme on Equality and Diversity in university education, Professional Development Center, Staffordshire University, UK                                    |
| May 2014        | Training programme on delivery and assessment in Virtual Learning Environments, Coventry University, UK  |
| Sept. 2013      | Training programme on writing winning research proposals and grant applications, Graduate School, Keele University   |
| Jan. 2012       | Training programme on reference management software, Graduate School, Keele University   |
| May 2011        | Training programme on Presentation Skills, Professional Development Center, Keele University, UK   |
| Dec.2010        | Mentorship Training at Professional Development Center, Keele University, UK   |
| Dec. 2010       | Invigilator Training at Examination Division, Keele University, UK   |
| Dec.2009        | Trained as an Assessor for National Vocational Qualification (NVQ) level 5 and 6 in ICT-Diploma and higher Diploma level   |
| Jun.-Sept. 2009 | Successfully completed and passed with a Distinction - “Certificate in Advanced English Language Skills” course at Australian College of Business and Technology –ACBT |
| Aug.2005        | Participated for a training program on “Quality Management of Technical Education Institutes” at National Institute of Technical Education, Sri Lanka                  |
| April 2005      | In-country training program on “Cost Effectiveness of Technical Education” conducted by Colombo Plan Staff College of Manila, Phillipines.                             |

Aug. 2004 Training program on "Project Management" at National Institute of Technical Education, Sri Lanka  
Sept. 2003 Interpersonal and Communication Skills at National Institute of Technical Education, Sri Lanka  
May– Aug. 2003 Certificate Course in Visual Basic.Net Programming at AiDEA Academy of Computer Studies, Katubedda, Sri Lanka  
Nov. 2003 Three months training program on Quality Assurance for Vocational & Technical Education Sector at TAFE NSW, Sydney, Australia with the sponsorship of a scholarship from the Asian Development Bank  
Nov. 2002 Training program on Quality Assurance at Sri Lanka Institute of Development Administration and Internal Quality Auditing for ISO 9000 at Sri Lanka Standards Institute

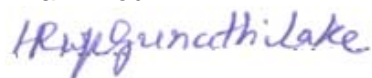
## REFEREES

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I certify that above details are true and accurate.

Thank You



Dr. Wijendra Gunathilake