Curriculum Vitae

CITP **Anuradha Jayakody**

PhD Candidate(Curtin WA), (BSc.(Hon.) (Computing)/MSC IS/PGD IT /MBCS/MIET/MCP/CCNA/CCAI/Dip in Tech (Electronic)

21,"Sripathi", Subadra Mawatha, Madiwela, Kotte.

Sri Lanka.

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anuradha.j@sliit.lk,anuradhajaya@gmail.com

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OBJECTIVES

- To widen my skills through continuous learning and implementation of the latest technology in the fast growing field of IT, Network, Security and Electronics and Telecommunications.
- To grasp the knowledge of emerging technologies and to apply them in my day-to-day activities, giving maximum output, to add value to the organization.
- To set goals, in my workplace and on personal matters, and to work hard in achieving them while playing a leading role as a team player.

RESERCH INTEREST

- Research on assistive technologies for people with vision impairments and print disabilities.
- GIS & GPS, Mobile computing, Information Security. Localization of a GIS, Wireless sensor networks

PERSONAL

Full Name: Jayakody Arachchilage Don Chaminda Anuradha Jayakody
Date of Birth   :   19th August 1973
Passport No   :   N2145239
Sex   :   Male
Marital Status   :   Married
Religion   :   Buddhist
Nationality   :   Sri Lankan

EDUCATION

PhD Candidate attached to the Curtin University, Western Australia.

Proposed Research

Most blind people require assistance to navigate within unfamiliar environments as there is often insufficient information about the buildings available to them. To address aspects of this problem, this research proposes the "AccessBIM" model as an approach to facility management in which a digital representation of the indoor building features is used to facilitate the exchange and interoperability of real-time information in digital format which can assist blind people to independently access unfamiliar building indoor environments. This research also proposes the conceptual communication model driven architecture that can be implemented for way finding and data synchronization, generating, in real-time, an AccessBIM for a remote user.

Master of Science Information Systems   (2004 to 2006)

(Database Management Systems, Software Technology, Software Engineering, Mobile Communication, IT Project management, Computer Networks, Enterprise Resource Management, Management Concept for e-Business, Information Security, Business Forecasting, Object oriented Programming, Research Seminar)

Research Title: "AN AUTOMATED MONITORING AND ALERT SYSTEM FOR A TYPICAL SERVER ROOM"(Best MSc Research Project academic year 2006)

Bachelors of Science (Hons). (Computing) University of Greenwich (UK) (Upper Second Class) (2011)

Project Title: "Oil Tank Monitoring System"

British Computer Society (BCS) Professional Examination (United Kingdom)

Certificate (2003)
Diploma (2003)
Professional Graduate Diploma (2004)
Professional Graduate Diploma Research Project (2004)
"OUSL LAN MANAGEMENT SYSTEM"

National Diploma in technology (Electronics)
The Open University of Sri Lanka. (1995 to 2000)

Electronic measurements, Digital Electronics, Electronics Components, Microprocessor, Radio and Line communications, Control systems, Electronic circuit Manufacturing technology, Electronic Circuit Fault diagnosis, Electrical Power, Engineering Maths, Circuit Theory.

(With Specific Training (Industrial Training) - I & II)

Diploma in Hardware Engineering
Abacus Computer Institute **(2000)**

General Certificate in Education (Advance Level) (1993)
St: Johns College, Nugegoda.

General Certificate in Education (Ordinary Level) (1989)
St: Johns College, Nugegoda.

Professional Qualification {Microsoft Certified Professional} (MCP)

Windows 2000 Professional (2003)
Windows 2000 Server (2003)

Professional Qualification {Microsoft Certified System Administrator} (MCSA)

Managing a Windows 2000 Network Environment (2004)

CISCO Instructor Certificates

CCNA Exploration 1   (2008)
CCNA Exploration 2   (2008)
CCNA Exploration3   (2008)
CCNA Exploration 4   (2008)

CCNA FWL   (2008)
IT essentials   (2009)
CCNP (switching)   (2009)

CCNA   (2010)
CCAI   (2010)

Publications

2006

1.“AN AUTOMATED MONITORING AND ALERT SYSTEM FOR A
TYPICAL SERVER ROOM”SLIIT Research Symposium 2006. And 13th
Annual Conference IET 2006.

2008

1. “EVALUATION OF CYBER FORENSIC IN SRI LANKAN CONTEXT”,
15th Annual Conference IET 2008. (Publications)

2. “ANALYSIS OF SECURITY IN WEB SERVICE COMPOSITION” 15th
Annual Conference IET 2008. (Publications)

3. “eLearning 2.0: A Better Prospect for Learning in Developing
Countries”, The Fifth International Conference on eLearning for
Knowledge-Based Society, Bangkok Metro, Thailand, 2008

2009

1. “The Internet: Privacy, Censorship, Issues and Solutions”, IET Sri Lanka
Network, 16th Annual Conference, 2009, Colombo Sri Lanka

2. “IT Governance practices; Strong or Weak? Study on Sri Lankan
Perspective”, IET Sri Lanka Network, 16th Annual Conference, 2009,
Colombo Sri Lanka

2010

1. “CPU-GPU Cluster for High Performance Parallel Computing”
17th Annual Conference IET 2010. (Publications)

2.“Edge Detection Base Traffic Queue Classification & Motion
Detection Framework for Road Traffic Management”, 17th Annual
Conference IET 2010. (Publications)

3.“AN INTELLIGENT WIRELESS DEVICE FOR THE RECOGNITION OF HUMAN AREA
NETWORK”, 17th Annual Conference IET 2010. (Publications)

	4."Wi-Fi Intercom System for small office home office environment", 17th Annual Conference IET 2010. (Publications)

2011

1. Mobile Phone Based Self-Guided Museum Navigation System – 18th Annual Conference IET 2011. (Publication)

2012/2013

1. Paper Titled "The Construction of an Indoor Floor Plan Using a Smartphone for future usage of blind indoor navigation" submitted manuscript International Conference on Indoor Positioning and Indoor Navigation, 28-31st October 2013

2. An AccessBIM model for environmental characteristics for vision impaired indoor navigation and way finding. (2012 International Conference on Indoor Positioning and Indoor Navigation, 13-15th November 2012 University of New South Wales 2012 Kensington NSW Australia)

3. Paper Titled The development of the CityGML GeoBIM extension for Real-Time assessable model (Integration of BIM and GIS), The second National Conference on Technology and Management –Sri Lanka Institute of Information Technology 2013

4. Paper Titled Spatial model for indoor unknown infrastructure with built information, SAITM Research Symposium on Engineering Advancements – 2013

2014

1. Paper Titled, "The Construction of an Indoor Floor Plan Using a Smartphone for Future Usage of Blind Indoor Navigation," in International Conference on Contemporary Computing and Informatics. Bangalore. IC^{3}I. 2014.

2. Paper Titled, Iain Murray, "Proposed Novel Schema Design for Map Generation to Assist Vision Impaired in an Indoor Navigation Environment," in International Conference on Contemporary Computing and Informatics. Bangalore. IC^{3}I. 2014. |
| **Awards and Honours** | ➢ Best MSc Research Project Gold Medal |
| **As a Reviewer** | Reviewer of National Conference on Technology & Management **(NCTM) 2012,2013,2014** |
| **Seminars & Workshop Attended** | Web design   5th October 2003 (HTML & Front Page 2000)
University System   18th October 2003 (Conducted by OUSL)
Financial Management   24th October 2003 (Conducted by |

OUSL)

Office Management	30th October 2003 (Conducted by OUSL)
Disciplinary Management	6th November 2003 (Conducted by OUSL)
Data Communication Programme (Conducted by Arthur C Clark Centre)	21st February to 24th February 2005
CISCO Router Configuration	25th February 2005 (Conducted by LEARN)
Information Security	18th January 2006 (Conducted By ETPL)
Setting up a Linux server	3rd, 4th, 10th June 2006. (Conducted by University of Moratuwa)

Successfully completed the Teacher Training programme. (Conducted by The Open University Of Sri Lanka) -2011

CHARITY WORK

Training blind students attached to Sri Lanka Employees federation Sri Lanka

Course Curriculum: Cisco IT Essential

Professional Membership

CITP   - Charted Information Technology Professional
MBCS   - Member British Computer Society
MIET   - Member Institute of Engineering Technology.
MCP   - Microsoft Certified Professional
MCISA   - Member, Certified Information Systems Auditor
CCNA   - Cisco Certified Network Associate
CCAI   - Cisco Certified Academy Instructor

Language Skills

Sinhala – Mother tongue
English – Fluent

EXPERIENCE

➢ Senior Lecturer / Systems Engineer, Programme Head CSN and Cybersecurity (Since 9th February 2007),

Sri Lanka Institute Of Information Technology, New Kandy Road, Malabe. Sri Lanka.

Duties & Responsibilities:

Undergraduate

Delivering lecturers in Data Communication, Network Design and Management, Business Computing Infrastructure, Information Security Management. Computer Technology Project I and II.

PDP Programme

Delivering lectures CCNA and CCNP Academy program (Semester I, II, III, and IV).

MSc Programme

Computer Technology Project.

As a Supervisor

Supervision of honours and MSc students and candidates for higher degrees by research.

Programme Head CSN and Cybersecurity:

Responsibilities

- o **Designing, developing, evaluating and improving curricula**
- o **Lecturing, tutoring, facilitating clinical practice, conducting workshops, seminars and field trips**
- o **Assessing, and giving feedback to, students**
- o **Contributing to the development and maintenance of a positive academic environment that is conducive to high levels of engagement and standards of achievement in learning and teaching.**

Lecturing Skills

➢ **BSc (Hones) IT/IS/CSN**

The Institute of Information Technology, New Kandy Road, Malabe.

Subject Area Covered in my Lectures.

Delivering lecturers in Data Communication, Business Computing Insfastructute, Network Design and management, Information Security Management. CCNA, CCNP

BSc and BBA Undergraduate Programme Lecturing (2006-2007)

The ICFAI University, Kohuwala, Sri Lanka

PC LAB, IT System I and IT systems II

➢ *Lecturing (Since January 2005-2007)*

Institute of Engineers Sri Lanka, Wijerama Mw; Colombo-07, Sri Lanka.

Subject Area Covered in my Lectures.

Computer Hardware and Networking: it includes fundamental of computers and its Theory, Tools and technique, Assembling of PCS & PC configuration, power supply, servicing, maintenance and Troubleshooting, upgrading PC's, Input output devices, Computer Viruses and how to protect viruses. Networking, with basic idea of: LAN, WAN, MAN, Client Server Architecture, IP Address, Protocols so on.

Visiting Lecturer (2002-2004)
School of Human Resource Development in Information and Computer Technology, 137-3, Kandy Road, Kiribathgoda.

➢ **Subject Area Covered in my Lectures.**

Computer Hardware - fundamentals of computers and its Theory, Tools and technique, Assembling of PCS & PC configuration, power supply, servicing, maintenance and Troubleshooting, upgrading PC's, Input output devices, Computer Viruses and how to protect viruses. Networking, with basic idea of: LAN, WAN, MAN, Client Server Architecture, IP Address, Protocols so on.

Office Package

MS Word, MS Excel, MS Access, MS PowerPoint, and MS Front Page.
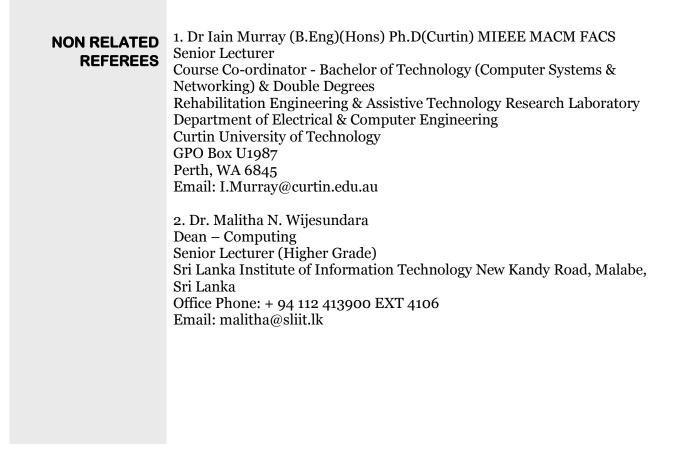
Database management systems

Fundamentals of Information System, Database Theory such as Relational Schema, Relational Model, relational Algebra, Normalization etc.
Software Engineering.

Process Model, Requirement Specification, Structured Methodology, Object Oriented Methodology, and Software Engineering Concept, Project management, Risk Management, Configuration management so on.

- **Technical Officer (Grade 1) (2000-2006) attached to the IT division in the Open University of Sri Lanka**

- **Technician (Electronic Division) (1995-2000) -Uni-Walkers Limited.**

TECHNICAL SKILLS

- IT Risk management. IT Project management, Information System Security, Virus Protection, Mobile Technology, Computer Hardware and software. Internet and Information Security and E-learning, e-commerce, Electronics engineering and Microcontroller,

- MS Office Suite Package, MS Operating System Family (Windows 9x, 2k, Xp, Vista, Windows 7) Computer Hardware, Network Environment, Electronic Environment. SQL 2000, CASE TOOL (Rational Rose 2000, Win A&D, Visio 2007) Programming Language (JAVA)

- Moodle and Blackboard

NON RELATED REFEREES

1. Dr Iain Murray (B.Eng)(Hons) Ph.D(Curtin) MIEEE MACM FACS
Senior Lecturer
Course Co-ordinator - Bachelor of Technology (Computer Systems & Networking) & Double Degrees
Rehabilitation Engineering & Assistive Technology Research Laboratory
Department of Electrical & Computer Engineering
Curtin University of Technology
GPO Box U1987
Perth, WA 6845
Email: I.Murray@curtin.edu.au

2. Dr. Malitha N. Wijesundara
Dean – Computing
Senior Lecturer (Higher Grade)
Sri Lanka Institute of Information Technology New Kandy Road, Malabe, Sri Lanka
Office Phone: + 94 112 413900 EXT 4106
Email: malitha@sliit.lk

I do hereby certify that the above given information's are true and correct to the best of my knowledge

J. A. D. C. Anuradha Jayakody
PhD Candidate (Curtin WA) (BSc. (Computing), MSC IS/PGD IT /BSc (Computing), CITP/MBCS/MIET/MCP/MCISA/CCNA/CCAI/Dip in Tech (Electronic) /DIP in Hardware)
5th January2015