

CURRICULUM VITAE



Hetti Arachchillage Chandana Kumara Jayathilake

Address: Information Communication Technology Center, Wayamba University of Sri Lanka, Makandura, Gonawila (60170). Sri Lanka (*Official Address*)
No. 236, Wewalwala, Labbala (60162). Sri Lanka (*Home Address*)

Tel: +943122 99247 (*Official*) +943722 89146 (*Home*), 0718129790 (*Mobile*)

Email: jayathilake@wyb.ac.lk (*Official*) hackjayathilake@gmail.com (*Personnel*)

Web: http://ictm.wyb.ac.lk/?page_id=215 | <http://www.wyb.ac.lk>

Personnel: Born 29th October 1974, Sri Lankan, Married.

EDUCATION:

- 2013-2017 PhD**
Wayamba University of Sri Lanka
Thesis Title: Innovative use of low cost communication technology for Knowledge Mobilization in agricultural communities of practice in Sri Lanka
- 2005-2007 M.Sc in Information Technology**
Sri Lanka Institute of Information Technology (SLIIT)
Thesis Title: ICT adoption and its implication for Agriculture in Sri Lanka
- 2003-2004 Postgraduate Diploma in Information Technology**
Sri Lanka Institute of Information Technology (SLIIT)
- 1997-2002 B.Sc in Agriculture [Hons.]**
University of Peradeniya.
Thesis Title: Statistical analysis of multi-location variety adaptability trails in Rice

CHRONOLOGY OF PROFESSIONAL EXPERIENCE:

- Senior Lecturer** | Wayamba University of Sri Lanka (2017 to date)
- Lecturer** | Wayamba University of Sri Lanka (2010 - 2017)
- Computer Instructor** | Wayamba University of Sri Lanka (2002-2010)

TEACHING:

BSc. Agriculture - Faculty of Agriculture & Plantation Management.

CU 11012 Information and Communication Technology
CU 12022 Application of Software and Web Technologies
CU 22033 Decision Support System
PM 41302 e-Agriculture and MIS

Bachelor of Biosystems Technology - Faculty of Agriculture & Plantation Management.

BST 12113 ICT Applications
BST 22283 Web Technologies and Programming
BST 31332 Information Systems
BST 41512 Technology and Innovation Transfer

BSc. Food Production & Technology Management - Faculty of Livestock, Fisheries & Nutrition

LFN 1130 Introduction to Information Technology
NTN 2242 Communication and Health Promotion

Diploma in Information Technology (External) - ICT Center

DIT 02 Office Applications
DIT 05 Internet Communication
DIT 06 Ecommerce Application
DIT 08 Web Development

Professional Diploma in Teaching Technology & Methodology - Staff Development Center

Module03 Information technology for teaching and learning

Certificate in Computer Applications and Skills (External) - ICT Center

Office Applications, Internet & Email, Ecommerce, Introduction to Web Development and Design

POSITIONS HELD:

Course Coordinator- "Diploma in Information Technology" - ICTC Makandura, WUSL

- ❖ Intake III - October 2013 to March 2014
- ❖ Intake II - November 2012 to October 2013
- ❖ Intake I - October 2011 to November 2012

Deputy Coordinator- "UDG/HETC Project- Enhancing ICT Skills of UG Students" WUSL

March 2012 to March 2014

Course Coordinator- "Certificate Course in Computer Applications & Skills"

- ICTC Makandura, WUSL

- ❖ Intake IX - October 2017 to March 2018
- ❖ Intake V - October 2013 to March 2014
- ❖ Intake IV - November 2012 to May 2013

- ❖ Intake III - October 2011 to April 2012
- ❖ Intake II - October 2010 to April 2011
- ❖ Intake I - October 2009 to April 2010

Course In-charge - *“CU12022- Application of software and Web technologies”*
Faculty of Agriculture and Plantation Management, WUSL, 2017-2018

Course In-charge - *“LFN1130- Introduction to Information Technology”*
Faculty of Livestock Fisheries & Nutrition, WUSL, 2010-2013

Web Developer - *“Responsible for developing & maintaining the university web sites”*

- Main web - *www.wyb.ac.lk*, 2006-2013
- Internal sites - *sd.c.wyb.ac.lk*, 2008 -to date
 - *aeb.wyb.ac.lk*, 2017- to date
 - *ictm.wyb.ac.lk*, 2017 - to date

AWARDS:

The Best Presenter - "Entrepreneurship & Extension" session of the Postgraduate Institute of Agriculture Congress (28th PGIA Annual Congress) at the University of Peradeniya, 2016.

The Best Presenter - Seminar Presentation of the Certificate Course on Staff Development 2007/2008 at the Staff Development Center, Wayamba University of Sri Lanka

RESOURCE PERSON:

Served as Key Resource Person for the **“Skill Development Programme for Officers in Education”**, held from 14th & 15th December 2017 in collaboration with ICT Center, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as Key Resource Person for the **“Skill Development Programme for School Teachers/Officers in Education”**, held from 29th & 30th September 2017 in collaboration with ICT Center, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as a Resource Person in workshop on **“Web Designing”**, for non-academic staff of the Wayamba University, held on 04th, 11th, 18th and 25th June 2017 in collaboration with ICT Center, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as Key Resource Person for the **“Capacity Building Programme for Advanced Level Teachers in North Western Province”**, held from 24th March 2017 to 27th May 2017 in collaboration with ICT Center, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as a Resource Person for the workshop on **“Technology Stewardship and ICT adoption and use in Agricultural Communities of Practice”**, held from 29th & 30th September 2016 in collaboration with the University of Alberta, the University of Guelph, and Department of Export Agriculture, organized by Wayamba University of Sri Lanka.

Served as a Resource Person in workshop on “**Information Technology**”, for IT officers & IT sailors, held on 14th and 15th October 2015 organized by Command Information Technology Department of Eastern Naval Command, Dockyard, Trincomalee.

Served as a Key Resource Person in workshop on “**Skill Development in Computer Operating Systems**”, for academic & administrative staff of the Wayamba University, held on 04th, 11th, 18th and 25th June 2014 in collaboration with ICT Center, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as a Resource Person in one-day workshop on “**Knowledge Mobilization for Sustainable Agriculture using Low Cost ICTs**”, held on 10th Sep 2013 in collaboration with University of Alberta, University of Guelph and Wayamba University of Sri Lanka, organized by Staff Development Center, Wayamba University of Sri Lanka.

Served as a Resource Person in 2-days training programme on “**Handling IT related Teaching Equipment**” for non-academics in Faculty of Livestock Fisheries & Nutrition held on 7th -15th Sep 2009 in collaboration with IRQUE, organized by Makandura Computer Unit, Wayamba University of Sri Lanka.

Served as a Resource Person in the one-day workshop on “**Handling A Computer Network**”, 15th May 2009 in Makandura organized by Staff Development Center of Wayamba University of Sri Lanka.

Served as a Resource Person in the two-day workshop on “**Computer Hardware & Troubleshooting**”, 20th & 27th Feb 2009 in Makandura organized by Staff Development Center of Wayamba University of Sri Lanka.

Served as a Resource Person in the one-day workshop on “**Preparation of Specifications for IT Related Equipments**” 13th Feb 2009 in Makandura organized by Staff Development Center of Wayamba University of Sri Lanka.

Served as a Resource Person in the one-day workshop on “**Handling Computer Virus & Malware**” 8th January 2009 in Makandura organized by Staff Development Center of Wayamba University of Sri Lanka.

SHORT COURSES, TRAINING & WORKSHOPS ATTENDED:

One day Workshop on **Scholarship of Teaching and Learning**, 24th February 2016, organized by the Sri Lanka Association for Improving Higher Education Effectiveness, Colombo, in collaboration with Wayamba University of Sri Lanka

Coursera Online Course in “**Academic Information Seeking**”, 24th Dec 2015 – 10th Feb 2016, conducted by the University of Copenhagen, Denmark. Certificate available at, <https://www.coursera.org/account/accomplishments/certificate/AV3KXT4R7578>

AuthorAID Online Course in “**Research Writing**”, 20th Oct – 30th Nov 2015, conducted by the International Network for the Availability of Scientific Publications, Certificate available at, <http://moodle.inasp.info/badges/badge.php?hash=2a9f9d79b18edd29bef1b4abce2f81135f6afc9f>

Training on “**Skills for Science Communication to the Public**”, 20th -21st Feb 2015, conducted by the National Science Foundation in collaboration with the Wayamba University of Sri Lanka.

Short Course on “**Application of Project Management Principles for Professional Development**”, 16th Nov, 30th Nov and 14th Dec 2012, conducted by Staff Development Centre, Wayamba University of Sri Lanka.

34th **APAN meeting**, 25th Aug 2012 - 29th Aug 2012, organized by the Lanka Education and Research Network, Colombo, in collaboration with Asia-Pacific Advanced Network.

Four day Training program on “**ICT in Higher Education for Academic Staff**”, May 2012”, organized by the Higher Education for the Twenty First Century (HETC) project, Ministry of Higher Education, Sri Lanka.

10th Residential Advanced Short Course on “**GIS and Applications**”, 06th Feb 2012 – 11th Feb 2012, conducted by the Post Graduate Institute of Science, University of Peradeniya, Sri Lanka

38th Residential Short Course on “**GIS and Applications**”, 22nd Aug 2011 – 27th Aug 2011, conducted by the Post Graduate Institute of Science, University of Peradeniya, Sri Lanka.

One day Workshop on **Scholarship of Teaching and Learning & Reflective Practice**, 11th March 2011, organized by the Sri Lanka Association for Improving Higher Education Effectiveness, Colombo, in collaboration with Wayamba University of Sri Lanka

One day Seminar on **Learning with Social Media and Recent Trends in Education**, 30th Nov 2010, organized by the International College of Business & Technology, Colombo, in collaboration with Western Province Provincial Council, Sri Lanka

Three-day Workshop on **Video Production & Still Photography for Effective Communication**, 27th Sep 2010 -29th Sep 2010, organized by the GTZ-FLICT, Faculty of Livestock Fisheries & Nutrition, Wayamba University of Sri Lanka

Certificate Course on Staff Development, 150 hr course accredited by UGC-Sri Lanka held from 07th Dec 2007 -13th June 2008, in Wayamba University organized by Staff Development Center of Wayamba University of Sri Lanka

One day Workshop on **E-Resources for Scientists & Use of Agricultural Information Network (AGRINET)**, 10th Oct 2007, organized by the Staff Development Center, in collaboration with Sri Lanka Council for Agricultural Research Policy (CARP), Wayamba University of Sri Lanka

One day Workshop on **Research Proposal Writing**, 02nd March 2007, organized by the Staff Development Center, in collaboration with Faculty of Livestock Fisheries & Nutrition, Wayamba University of Sri Lanka.

Training on **Dynamic Web Application Development with PHP and MySQL**, 50 hr Training course held on Jan 2006, in Advanced Digital Media Technology Centre, UCSC, University of Colombo

Two-day Workshop on **Microsoft.Net**, held on Dec 2004, Organized by Sri Lanka Microsoft Agent, Mount Lavinia, Sri Lanka

Certificate Course on **Computer Hardware**, 06th Oct 2002 – 17th Nov 2002, conducted by National Institute of Business Management, Sri Lanka

PUBLICATIONS:

Journal Article:

- 1). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2018). “Use of Free Open Source Software Technologies to Enhance Knowledge Mobilization in Smallholder Agricultural Communities in Sri Lanka” *Tropical Agricultural Research*, **29** (2): 147 – 156
- 2). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2017). “Fostering Technology Stewardship Approach to Promote Knowledge Sharing among Farming Communities in Sri Lanka” *Tropical Agricultural Research*, **28** (3): 238 – 246
- 3). **Jayathilake, C. K.**, Jayasinghe-Mudalige, U., Perera, R., Gow, G., & Waidyanatha, N. (2017). “Converging free and open source software tools for knowledge sharing in smallholder agricultural communities in Sri Lanka”. *Journal of Agriculture and Environment for International Development*, **111** (2): 351 – 359.
- 4). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2017). “Exploratory Analysis on the Management of Agricultural Knowledge and Information by Smallholder Farmers in Batticaloa District” *Wayamba Journal of Management*, **8** (1) (In press).
- 5). **Jayathilake, H. A. C. K.**, Jayaweera, B. P. A. and Waidyasekera, E. C. S. (2008). “ICT adoption and its implication for Agriculture in Sri Lanka” *Journal of Food and Agriculture*, 1 (2), 54-63.
- 6). Chandrasiri, G.W.J., **Jayathilake, H.A.C.K.**, & Peris, B.L. (2002) “Statistical Analysis of Multi-location Variety Adaptability Trails in Rice” *Annals of the Sri Lanka Department of Agriculture*, **4:1-13**

National / International Conference and Symposium:

- 1). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2017). “Use of Free Open Source Software (FOSS) Technologies to Enhance Knowledge Mobilization in Smallholder Agricultural Communities in Sri Lanka”. 29th PGIA Annual Congress, Abstract of Papers and Invited Presentations, Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka, 16 – 17 November 2017.
- 2). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2017). “Converging Free and Open Source Software Tools for Knowledge Sharing in Subsistence Agricultural Communities: Success Story from Sri Lanka”, 4th

- International Conference on Exploring Leadership and Learning Theories in Asia (ELLTA 2017)*, Asian Institute of Technology, Thailand, 25- 27 July 2017, 38-39pp.
- 3). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U. K., and Perera, L. D. R. D. (2017). “Factors Influencing Smallholder Farmers’ Access to Agricultural Knowledge: A Case Study in Sri Lanka”, *4th International Conference on Exploring Leadership and Learning Theories in Asia (ELLTA 2017)*, Asian Institute of Technology, Thailand, 25- 27 July 2017, 81-82pp
 - 4). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2017). “Technology Stewardship Approach for Knowledge Sharing among Farming Communities”, *Wayamba University Research Congress (WURC - 2017)*, Wayamba University of Sri Lanka, Kuliypitiya, 24 March 2017.
 - 5). Weerasinghe, W. K. G. K. S, Weerakkody, W. J. S. K, **Jayathilake, H. A. C. K.**, Yakandawala K. (2017). “Development of an Online Database for Teaching and Learning of Ornamental Plants”, *Wayamba University Research Congress (WURC - 2017)*, Wayamba University of Sri Lanka, Kuliypitiya, 24 March 2017.
 - 6). Edirisinghe, J. C., Ranaweera, B., Weerakkody, W. J. S. K., Herath, H. M. L. K., and **Jayathilake, H. A. C. K.**, (2017). “Bayesian Belief Network to Diagnose Diseases of Potato”, *Wayamba University Research Congress (WURC - 2017)*, Wayamba University of Sri Lanka, Kuliypitiya, 24 March 2017.
 - 7). **Jayathilake, H.A.C.K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., Waidyanatha, N. Lindara, L.M.J.K., and Barlett, T. (2017). “Role of Technology Stewards to Promote ICT-Enable Technologies for Knowledge Sharing among the Smallholder Farming Communities”, *International Symposium on Agriculture and Environment (ISAE 2017)*, Faculty of Agriculture, University of Ruhuna, Kamburupitiya, 19 January 2017.
 - 8). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2016). “Fostering Technology Stewardship Approach to Promote Knowledge Sharing among Farming Communities in Sri Lanka”. 28th PGIA Annual Congress, Abstract of Papers and Invited Presentations, Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka, 17 – 18 November 2016.
 - 9). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., and Waidyanatha, N. (2016). “Technology Stewardship Approach to Share Agricultural Knowledge among Smallholder Communities: An Empirical Investigation”. *Wayamba International Conference (WinC2016)*, Wayamba University of Sri Lanka, Kuliypitiya, Sri Lanka, 19 – 20 August 2016.
 - 10). **Jayathilake, H. A. C. K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., and Gow, G.A. (2016). “Use of Information Communication Technologies for Knowledge Sharing in Agriculture: Exploring the Case of Commercial Agricultural Producers in Sri Lanka”, *Wayamba University Research Congress (WURC - 2016)*, Wayamba University of Sri Lanka, Kuliypitiya, 30 March 2016.

- 11). **Chandana Jayathilake**, Udith Jayasinghe-Mudalige, Rohana Perera, Gordon Gow and Nuwan Waidyanatha (2016). "Use of mobile phone for agricultural knowledge mobilization: Exploring the case of 'subsistence farmers in the bottom-of-the-pyramid' in Batticaloa, Sri Lanka". International Multidisciplinary Research Conference, 02 - 03 Feb 2016, Colombo.
- 12). **Jayathilake, H.A.C.K.**, Jayasinghe-Mudalige, U.K., Perera, L.D.R.D., Gow, G.A., Waidyanatha, N. Lindara, L.M.J.K., and Barlett, T. (2016). "Potential of Mobile Communication for Agricultural Knowledge Sharing: Exploring the Case of Ginger Farmers in the Kurunegala District", International Symposium on Agriculture and Environment (ISAE 2016), Faculty of Agriculture, University of Ruhuna, Kamburupitiya, 13 January 2016.
- 13). **Jayathilake, H.A.C.K.**, Jayasinghe-Mudalige, U.K., Lindara, L.M.J.K., Gow, G.A., Waidyanatha, N., Barlott T. and Perera, L.D.R.D. (2015). "Fostering Text Messaging for Mobilization of Knowledge in Export Agriculture-Based Communities in the Kurunegala District, Sri Lanka", Peradeniya University International Research Sessions - iPURSE 2015, At University of Peradeniya, Sri Lanka, Volume: 19
- 14). Gow, G., Waidyanatha, N., **Jayathilake, C.**, Hambly Odame, H., & Barlott T. (2015). "Supporting Effective Use through a Technology Stewardship Model: Preliminary Findings from a Sri Lanka/Canada Partnership Development Project". Partnership for Progress on the Digital Divide 2015 International Conference, 21-22 October 2015, Scottsdale (Phoenix), Arizona, USA.
- 15). Waidayanatha, N., Gow, G., **Jayathilake, C.**, Barlott, T., Hambly, H., & Anwar, M. (2015). "Technology Stewarding method for Knowledge Mobilization in Agriculture Communities of Practice". *Communications Policy Research South (CPRsouth 2015)*, Innovation Center for Big Data and Digital Convergence, Yuan Ze University, Taiwan.
- 16). Gow, G., Waidayanatha, N., **Jayathilake, C.**, Hambly, H., Barlott, T., & Anwar, M. (2015). "Fostering Inclusive Innovation for Agriculture Knowledge Mobilization in Sri Lanka: A Community-University Partnership Development Project". *Proceedings of the Work-In-Progress Track of the 7th International Conference on Communities and Technologies* (Vol. 12, No. 1, pp. 5-14).
- 17). **Jayathilake H.A.C.K.**, Jayasinghe-Mudalige U.K, Gow G.A, Waidyanatha N., and Perera L.D.R.D (2015). "Use of Low Cost Information Communication Technologies for Knowledge Mobilization in Agricultural Communities in Sri Lanka". 8th International Research Conference, General Sir John Kothalawala Defence University, Rathmalana, Sri Lanka.
- 18). Waidyanatha, N., Gow, G. A., **Jayathilake, C.**, and Barlott, T. (2015, February). "Technology Stewardship, Text Messaging, and Collaboration in Agricultural Work: Preliminary Results from an Action Research Study in Sri Lanka". In *Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing* (pp. 203-206). ACM

- 19). Silva, D. A. M. S., Yakandawala, K., **Jayathilaka, H. A. C. K.**, and Perera, K. D. K. A. (2012). "Plant selection database for landscape designers". In *SAITM-Research Symposium on Engineering Advancements*. pp (pp. 93-96).
- 20). Farwin, S.R., **Jayathilake, H.A.C.K.** and Weerakkody W.J.S.K. (2010). "Analysis of E-Agriculture in Plantation Sector in Sri Lanka: An Empirical Investigation" Proceedings of 10th Agricultural Research Symposium, Faculty of Agriculture & Plantation Management, Wayamba University of Sri Lanka, 150-154
- 21). Waidyasekera, E.C.S., Fernando N., Gamage L, **Jayathilaka H.A.C.K.**, Jayaweera B.P.A. (2007). "ICT Adoption and issues pertaining to the usage of it in Sri Lankan Agriculture Sector". Proceedings of the 25th National IT Conference, Sri Lanka, 98-106

Book Chapters

1. **Jayathilake, H.A.C.K.**, (2008). In U. Jayasinghe and A. Jayaweera (Eds.), *Improving Teaching in Higher Education through Effective Assessment* (pp.1-17). Staff Development Center, Wayamba University of Sri Lanka.

REFEREES:

Prof. Udith K Jayasinghe-Mudalige, Professor (Chair)-Department of Agri-business Management, Wayamba University of Sri Lanka, Makandura, Gonawila (NWP).
Tel: +94 (71/77) 362 8911; E-mail: udith@hotmail.com

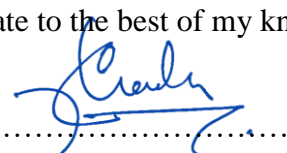
Dr.WJSK. Weerakkody, Director, ICT Centre, Wayamba University of Sri Lanka, Makandura, Gonawila (NWP).Tel: 03122 99247; Email: weera@wyb.ac.lk

Dr. Gordon A. Gow, Associate Professor and Director of the Graduate Program in Communication and Technology, University of Alberta, Edmonton, Alberta, Canada. Tel: +01 780 710 4673; Email: ggow@ualberta.ca

I hereby certify that above mentioned particulars are true & accurate to the best of my knowledge.

30 May 2018

.....
Date


.....
HACK Jayathilake