

# Amila Jayasinghe, D.Eng, MPlan (Infrastructure), BSc(T&CP), MITP

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## Senior Lecturer

Department of Town & Country Planning,  
University of Moratuwa, Moratuwa, Sri Lanka.

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## Work Experience

- Oct 2017 – Up to date **Senior Lecturer** Department of Town & Country Planning, University of Moratuwa, Sri Lanka.
- Oct 2012 – Oct 2017 **Lecturer (Probationary)** Department of Town & Country Planning, University of Moratuwa, Sri Lanka.
- August 2011 – Oct 2012 **Lecturer (on Contract Basis)** Department of Town & Country Planning, University of Moratuwa, Sri Lanka.
- July 2008 – June 2009 **Instructor (Temporary)** Department of Town & Country Planning, University of Moratuwa, Sri Lanka.

## Academic Qualification

- Sept 2014 – August 2017 **Doctor of Engineering in the Energy and Environment Science Program**  
University of Technology (NUT),  
Nagaoka, Japan.
- Jun 2009 – Jun 2011 **MPlan, Infrastructure Planning**  
Center for Environmental Planning and Technology University,  
Ahmadābād, India.  
Top of the Batch, First Class (OGPA: 3.50/4.00, 78.97%)
- Apr 2004 – Apr 2008 **BSc(Hons), Town & Country Planning**  
University of Moratuwa,  
Moratuwa, Sri Lanka.  
Top of the Batch, First Class (OGPA: 3.98/4.2)

## Research Interest & Software Skills

*Research interest* Spatial Analysis and Simulation, Planning Techniques and Modeling, Environmental Modeling, Infrastructure Planning, Regional Planning, Application of Operon Source GIS, Big Data, Disaster Management, Climate change and Climate data analysis

*Software Skills* UCL-Depth Map, Axwman, Spatial Network Analysis (sDNA) Software, Metronamica-RIKS, Connectivety Analysis TCP, Flow Map, Emme, ArcGIS, QGIS, Weka, SPSS

## Publication Highlights

*Statistics* RG Score: 9.27; Reads: 9025; Citations 48 (ResearchGate)

Citations: 71; h-index: 4 (Google scholar)

Journal Publications: 24; Book: 4; Paper presentations: 23

*Thesis* A network centrality-based simulation approach to model traffic volume. 08/2017, (2017). Degree: **Doctor of Engineering**. Supervisor: Prof. Kazushi Sano

An application of 'Centrality Measures' to identify the relationship between Network Centrality & the Transit Demand at Public Transit Stops; A Case of Ahmedabad City, India. 06/2011, Degree: **Master's Degree in Planning** with specialization in Infrastructure Planning, Supervisor: Prof Talat Munshi

An application of connectivity analysis to explain the urbanizing locations in Kegalle district, Sri Lanka. 03/2008, Degree: **BSc(Hons), Town & Country Planning**, Supervisor: Dr. Jagath Munasinghe

*Journal Publications*

1. B Gunarathna, AB Jayasinghe, CC Abenayake, PKS Mahanama: **Assessing the impact of land use on triggering landslides: A case of Sabaragamuwa Province, Sri Lanka**. Bhumi, The Planning Research Journal. 2018, 6 (2)
2. LT Trinh, K Sano, A Jayasinghe, TV Tran: **Two-player Game-theory-based Analysis of Motorcycle Driver's Behavior at a Signalized Intersection**. 2018, Asian Transport Studies 5 (2), 272-291
3. S.W.M.P. Malith Senevirathne, N. Lakmali, AB Jayasinghe: **Stakeholders' Perception of Bus Priority Lanes (B PL) In Colombo, Sri Lanka**: 2018, International Journal of Advanced Research 6(8):268-277
4. CC Abenayake, Y Mikami, Y Matsuda, A Jayasinghe: **Ecosystem services-based composite indicator for assessing community resilience to floods**. 2018, Environmental development 27, 34-46
5. R Kasemsri, K Sano, A Jayasinghe: **A multi-hierarchy facility location problem with routing under demand uncertainty: an application to relief distributions**: 2017, 社会技術研究論文集 14, 156-166
6. Amila Jayasinghes, Kazushi Sano, Kasemsri Rattanaporn: **Application for developing countries: Estimating trip attraction in urban zones based on centrality**. 2017, Journal of Traffic and Transportation Engineering. 4(5); 464-476
7. Rattanaporn Kasemsri, Kazushi Sano, Hiroaki Nishiuchi, Amila Jayasinghe: **Robust Optimization of Facility Location Models And Fundamental Resource Estimations Under Demand Uncertainty: A Case Study Of Relief Distribution**. International Journal of Transport Development and Integration 01/2017; 1(2):148 - 158., DOI:10.2495/TDI-V1-N2-148-158
8. Amila Jayasinghe, Kazushi Sano: **Estimation of Annual Average Daily Traffic on Road Segments: Network Centrality-Based Method for Metropolitan Areas**. Transportation Research Record Journal of the Transportation Research Board 01/2017. 17-03141; 1-18
9. Amila Jayasinghe, Kazushi Sano, Rattanaporn Kasemsri, Hiroaki Nishiuchi: **Travelers' Route Choice: Comparing Relative Importance of Metric, Topological and Geometric Distance**. Procedia Engineering 12/2016; 142:18-25., DOI:10.1016/j.proeng.2016.02.008
10. Amila Jayasinghe, Kazushi Sano, Hiroaki Nishiuchi: **Network Centrality Assessment (NCA) as an alternative approach to predict vehicular traffic volume: A case of Colombo, Sri Lanka**. Journal of the Eastern Asia Society for Transportation Studies, 12/2015; 11:834-853. DOI:10.11175/easts.11.834
11. Amila Jayasinghe, Kazushi Sano, Hiroaki Nishiuchi: **Explaining Traffic Flow Patterns Using Centrality Measures**. International Journal for Traffic and Transport Engineering (IJTTE), 04/2015; 5(2):34-149. DOI: 10.7708/ijtte.2015.5(2).05
12. Niroshan Sanjaya, Amila Jayasinghe, Y. Chemin: **Application of Mobile GIS for Mobility Mapping**. International Journal of Emerging Technology & Research (IJETR), 09/2014; 1(6):1-7. URL: <http://ijetr.org/finalpdf/1410450229.pdf>
13. Amilajayasinghe, Talat Munshi: **'Centrality Measures' as a tool to identify the Transit Demand at Public Transit Stops; A Case of Ahmedabad City, India**. Journal of Advanced Research, 07/2014; 2(7):1063-1074. URL: [http://journalijar.com/uploads/488\\_IJAR-3757.pdf](http://journalijar.com/uploads/488_IJAR-3757.pdf)

14. Amila Jayasinghe, Jezan. T: **Fractal Dimension of Urban form Elements and its Relationships: In the Case of City of Colombo.** Asian Journal of Engineering and Technology (AJET), 04/2014; 2(2):98-108, URL: <http://www.ajouronline.com/index.php?journal=AJET&page=article&op=view&path%5B%5D=1087&path%5B%5D=578>
15. Chathura Gunawardana, Amila Jayasinghe: **Applicability of centrality measures to explain vehicular flow in Colombo Municipal Council Area, Sri Lanka.** Faculty of Architecture Research Unit Journal (FARU), 12/2013; 5(1)
16. Udhitha Dasanayaka, Amila Jayasinghe: **Road traffic crashes and road configuration; A Space Syntax application.** Faculty of Architecture Research Unit Journal (FARU), 12/2013; 5(1)
17. Amila Jayasinghe, Jagath Munasinghe: **A Study of the Urbanizing Pattern in Kegalle District, Sri Lanka with Connectivity Analysis.** International Journal of Scientific Knowledge (IJSK), 02/2013; 02(1):7-19, URL: [http://www.ijsk.org/uploads/3/1/1/7/3117743/2\\_a\\_study\\_of\\_the\\_urbanizing\\_pattern\\_in\\_kegalle\\_district.pdf](http://www.ijsk.org/uploads/3/1/1/7/3117743/2_a_study_of_the_urbanizing_pattern_in_kegalle_district.pdf)
18. Pavithra Jayasinghe, Niroshan Sanjaya, Amila Jayasinghe: **Assess the Level of Vulnerability to Climate Induced Disasters in Sri Lankan Coastal Areas: An Application of Open Source Geographic Information System.** International Journal of Geoinformatics, 09/2015; 11(3):53-58.
19. P. K. S. Mahanama, K. D. P. P Jayasinghe, Amila Jayasinghe, R. M. P. N. S Bandara, C.C. Abenayake: **Assesses the level of vulnerability in Sri Lankan coastal areas to climate exaggerated disasters: Application of Analytical Hierarchical Process (AHP) and Geographic Information System (GIS).** International Journal of Advanced Research, 08/2014; 2(8):523-534. URL: [http://www.journalijar.com/uploads/174\\_IJAR-3890.pdf](http://www.journalijar.com/uploads/174_IJAR-3890.pdf).
20. P.K.S.Mahanama, C.C.Abenayake, Amila Jayasinghe, P.K.B.D.B. Bandara: **Climate responses of local authorities: a case of Sri Lankan coastal urban areas.** International Journals of Scientific Knowledge (IJSK), 08/2014; 4(3): 59-66. URL: [http://www.ijsk.org/uploads/3/1/1/7/3117743/6\\_climate\\_change\\_response.pdf](http://www.ijsk.org/uploads/3/1/1/7/3117743/6_climate_change_response.pdf)
21. P.K.B.D.B. Bandara, C.C.Abenayake, Amila Jayasinghe, P.K.S. Mahanama: **Study on the trends of rainfall and temperature patterns to identify the influence of climate variation in coastal cities in Sri Lanka.** Faculty of Architecture Research Unit Journal (FARU), 12/2013; 5(1)
22. C.C. Abenayake, Amila Jayasinghe, P.K.S. Mahanama: **Local Knowledge on Climate Variation; A Case of Negombo and Batticaloa, Sri Lanka.** Bhumi: The Planning Research Journal (Special Issue), 12/2013; 1(3):16-29
23. C.C.Abenayake, Amila Jayasinghe, K.D.Fernando: **A study of the spatial form of river based settlements at Gurugoda Oya valley.** Sri Lanka Journal of Social Sciences, 12/2009; 1(4):459-474.
24. P.K.S. Mahanama, Amila Jayasinghe: **An Application of Geographic Information Systems (GIS) for spatial planning: A case study on identification of suitable site for residential development in Rambukkana DS division,** GIS for All: Theory and Applications Journal of Geo-informatics Society of Sri Lanka, 10/2007;

- Books*
1. P.K.S. Mahanama, C.Chethika Abenayake, Amila Jayasinghe: **Batticaloa, Sri Lanka: Climate Change Vulnerability Assessment.** Jessica Pelham 01/2013; United Nations Human Settlements Programme (UN-Habitat).
  2. P.K.S. Mahanama, Amila Jayasinghe, C.Chethika Abenayake: **Negombo, Sri Lanka: Climate Change Vulnerability Assessment.** Edited by Jessica

Pelham, 01/2013; United Nations Human Settlements Programme (UN-Habitat).

3. P.K.S. Mahanma, C.Chethika Abenyake, **Amila Jayasinghe: GHG INVENTORY - Batticaloa Municipal Council Area and surrounding.** 07/2010; PCU, Faculty of Architecture, University of Moratuwa.
4. P.K.S. Mahanama, Amila Jayasinghe, C.Chethika Abenyake: **GHG INVENTORY - Negombo Municipal Council & Surroundings.** 06/2010; PCU, Faculty of Architecture, University of Moratuwa.

*Paper presentations at Conferences*

1. Rattanaporn Kasemsri, Kazushi Sano, Atsushi Fukuda and Amila Buddhika Jayasinghe: Applicability of the Multi-hierarchy network under demand uncertainty by using Ellipsoidal uncertainty set in Robust optimization: Bangkok, Thailand. **23rd International Conference of Hong Kong Society for Transportation Studies (HKSTS).** Hong Kong. 12/2018
2. N.Y. Tenzin, A.B. Jayasinghe: Spatial Analysis Model for Population Distribution. **FOSS4G Asia 2018**, Moratuwa, Sri Lanka. 12/2018
3. B Gunarathna, A.B. Jayasinghe, CC Abenayake, PKS Mahanama: Assessing the impact of land use on triggering landslides: A case of Sabaragamuwa Province, Sri Lanka. **FOSS4G Asia 2018**, Moratuwa, Sri Lanka. 12/2018
4. N.F. Vajeeha, A.B. Jayasinghe: Study on Mapping Land Use Using Open Maps and Open Data. **FOSS4G Asia 2018**, Moratuwa, Sri Lanka. 12/2018
5. Nisansala Lakmali, A.B. Jayasinghe: Stakeholders' Perception of Bus Priority Lane on Galle Road & Sri Jayawardhanapura Mawatha Colombo, Sri Lanka. **3rd International conference on Research for Transport and Logistics Industry (R4TLI).** 07/2018
6. H M W T Rathnayake, A.B. Jayasinghe: An Examination of the Relationship between Built Environment and Mode Choice. **3rd International conference on Research for Transport and Logistics Industry (R4TLI).** 07/2018
7. Linh Thanh Trinh, Kazushi Sano, Amila Jayasinghe, Tu Vu Tran: Two-player Game Theory Based Analysis of Motorcycle Driver's Behavior At Signalized Intersection. **12<sup>th</sup> International Conference of Eastern Asia Society for Transportation Studies (EASTS)** Ho Chi Minh City, Vietnam; 09/2017.
8. Amila Jayasinghe, Uditha Dasanayaka: Analysis the impact of Road Configuration on Road Traffic Crash on Major Roads in the Sri Lanka. **3rd International Exchange and Innovation Conference on Engineering & Sciences.** Kyushu University, Fukuoka, Japan; 10/2017
9. Amila Jayasinghe, Kazushi Sano: Estimation of Annual Average Daily Traffic on Road Segments: Network Centrality Based Method for Metropolitan Areas. **Transportation Research Board (TRB) 96<sup>th</sup> Annual Meeting, Washington, D.C, USA.** 01/2017.
10. Amila Jayasinghe, Duminda Bandara, Kazushi Sano: Network Centrality Assessment (NCA) to Simulate Traffic Volume: A Strategic Planning and Investment Tool for Developing Countries. **54<sup>th</sup> Japan Society of Civil Engineers (JSCE) Infrastructure and Planning Conference, Nagasaki, Japan.** 11/2016.
11. Amila Jayasinghe, Duminda Bandara, Kazushi Sano: Network Centrality Assessment (NCA): A Strategic Planning and Investment Tool to Simulate Traffic Volume in Developing Countries. **JICA Seminar on Transportation in developing countries, Tokyo, Japan;** 06/2016.
12. Amila Jayasinghe, Chathura De Silva, Kazushi Sano: A Network Centrality Application: Examination of Structural Coherence of Colombo Road Network. **Conference on Research for Transport and Logistics Industry - 2016**, Colombo, Sri Lanka; 06/2016.

13. Amila Jayasinghe, Kasemsri Rattanaporn, Kazushi Sano, Hiroaki Nishiuchi: Travelers' Route Choice: Comparing Relative Importance of Metric, Topological and Geometric Distance. **International Conference on Sustainable Development of Civil, Urban and Transportation Engineering-CUTE 2016**. Ho Chi Minh City. 04/2016
14. Amila Jayasinghe, Kasemsri Rattanaporn, Kazushi Sano, Hiroaki Nishiuchi: The Role of Centrality Characteristics of Road Network in Travelers' Route Choice: A case of Colombo, Sri Lanka **52<sup>nd</sup> Japan Society of Civil Engineers (JSCE) Infrastructure and Planning Conference**. Akita, Japan. 11/2015
15. Amila Jayasinghe, Kazushi Sano, Hiroaki Nishiuchi: Network Centrality Assessment (NCA) as an alternative approach to predict vehicular traffic volume: A case of Colombo, Sri Lanka. **11<sup>th</sup> International Conference of Eastern Asia Society for Transportation Studies (EASTS)** Cebu, The Philippines; 09/2015.
16. P.K.S., Mahanama, Amila Jayasinghe, K.D.P.P., Jayasinghe, P.K.B.D.B., Bandara, & C.C., Abenayake, (2015). "**Assess the level of vulnerability to climate exaggerated disasters in Sri Lankan Coastal Areas: An Application of Open Source Geographic Information System**", Conference on FOSS4G-Asia 2015, Bangkok, Thailand, 2-5 December 2014, URL: <http://www.foss4g-asia.org/2014/abstracts/abstract-52/>
17. R. M. P. N. S., Bandara, Amila Jayasinghe, Y. Chemin, (2014). "**Exploring Mobility Mapping with Mobile GIS**", Conference on FOSS4G-Sri Lanka 2014, Colombo, Sri Lanka, 23 February, 2014, URL:<http://www.slideshare.net/niroshansanjaya2/mobile-gis-32284991>
18. L.S., Bandara, Amila Jayasinghe, C.C., Abenayake, P.K.S., Mahanam, (2014). "**Participatory open source GIS as a tool for flood mapping; A study of Batticaloa city, Sri Lanka**", Conference on FOSS4G-Sri Lanka, Colombo, Sri Lanka, 23 February, 2014, URL:[http://foss4gsrilanka.lk/downloads/Abstracts/2014/Abstract\\_FOSS4G\\_La santha.docx](http://foss4gsrilanka.lk/downloads/Abstracts/2014/Abstract_FOSS4G_La santha.docx)
19. Amila Jayasinghe, P.K.S., Mahanama, D.L., Senanayake, L., Bandara, I., Seifert, (2013). "**Participatory GIS as a tool for flood mapping in climate change adaptation; A study of Batticaloa city, Sri Lanka**". European Climate Change Adaptation Conference (ECCA) 2013, Hamburg, Germany. ISBN 978-92-79-26185-5 . URL: [http://eccaconf.eu/presentations/PDF/ECCA2013-3a-6\\_6\\_3-Jayasinghe.pdf](http://eccaconf.eu/presentations/PDF/ECCA2013-3a-6_6_3-Jayasinghe.pdf)
20. Amila Jayasinghe, N., Pathirana, (2013) "**Centrality Measures' as a tool to identify the transits demand at railway stations : The Case of Railway Network, Sri Lanka**", SAITM research symposium on engineering advancements 2013, Malabe, Sri Lanka, 23 April, 2013.
21. K., Heath, & Amila Jayasinghe, (2012), "**Reading the patterns of Transport Network and Population Distribution; Fractal Geometry application in Kurunegala Township and it Surrounding Areas, Sri Lanka**", 5th FARU Research Conference of 2012, Galle, Sri Lanka, 24-25 August, 2012.
22. Amila Jayasinghe, Rahul Damedhar, (2011), "**Future of Kolkata Tram**", Urban Mobility India (UMI) Conference, New Delhi, India
23. Amila Jayasinghe, Jagath Munasinghe, (2010), "**A Study of the Urbanizing Pattern in Kegalle District, Sri Lanka with Connectivity Analysis**", 10th International Congress of Asian Planning Schools Association APSA, Ahmedabad, India, 10-12 November, 2010.

## Involvement

### *Research Collaboration with International Research Institutions*

1. Conference Secretariat, FOSS4G Asia 2018 Conference, Moratuwa, Sri Lanka. Jointly organizing by Department of Town & Country Planning, University of Moratuwa, OSGeo and OSGeo Sri Lanka
2. Establishment of OSGeoSL and OSGeoSL Laboratory in Moratuwa University with support of **Open Source Geospatial Foundation (OSGeo)**. (2014) [http://www.mrt.ac.lk/tcp/?page\\_id=459](http://www.mrt.ac.lk/tcp/?page_id=459)
3. As an infrastructure planner & GIS specialist, Vulnerability Mapping - Kesbewa Urban Council Area, **RUAF Foundation, Netherlands**. (2012)
4. As an infrastructure planner & GIS specialist, Climate resilient action Plans for Coastal urban areas of Sri Lanka (CCSL). The project is jointly implemented by the **Norwegian Institute of Water Research (NIVA)**, University of Moratuwa -Sri Lanka, United Nations Human Settlement (UNHABITAT), Batticaloa Municipal Council (BMC) & Negombo Municipal Council (NMC). (2011-2013) [URL:http://climateresilience.lk/](http://climateresilience.lk/)
5. As an infrastructure planner & climate data analysis specialist, Batticaloa city responses for climate change adaptation, Sri Lanka, Climate Change and Sustainable Development, **CEPT University, India** (2012)
6. As a research assistant in network designing and demand modeling, Bus Rapid Transit System (BRTs) for Hubli-Dharwrd-Karnataka India, Centre of Excellence in Urban Transport, **CEPT University, India & DULT (Govt. of Karnataka), India** (2009-2010)
7. As a research assistant in network designing and system design, Up-gradation of Kolkata Tram – Kolkata, India, **Centre of Excellence in Urban Transport, CEPT University, India** (2009)

### *Collaboration with National Institutions / National Projects*

1. As a member of course curriculum development committee, Preparation of Curriculum of Higher Diploma in Urban Planning, **Institute of Town Planners Sri Lanka (ITPSL)**, 2018-2019
2. As a transport planner & GIS specialist, Preparation of a Management Plan for Bolgoda Lake Environmental Protection Area, (2013-2014). The project is funded by **Central Environmental Authority, Sri Lanka**
3. As an infrastructure planner & GIS specialist, Formulation of a City Development Strategy for Sri Lankan Cities to Respond to Climate Change Impacts; Case study – Batticaloa and Negombo MC and their environs. (2011-2013), The project is jointly implemented by the University of Moratuwa -Sri Lanka, **United Nations Human Settlement (UNHABITAT), Batticaloa Municipal Council (BMC) & Negombo Municipal Council (NMC)**
4. As an infrastructure planner & GIS specialist, Development Guidelines for Sri Lanka Tourism (2011-2012). **Sri Lanka Tourism Development Authority, Sri Lanka**
5. As a consultant, Preparation of Web Site for Kaluthara Municipal Council. (2009). **National Building Research Organization, Sri Lanka**
6. As a Project Assistant, Programme to Support to Implementation of SL Urbanization. (2008-2009). **Minister of Urban Development & Scared Area Development, Sri Lanka and UNDP**
7. As a Project Assistant, Detailed Tourism Development plan, Bolgoda River Basin, Sri Lanka. (2008). **Western Provincial Council, Sri Lanka**
8. As a Project Assistant, EIA for Enderamulla Township Development Project, Sri Lanka. (2008). **Urban Development Authority, Sri Lanka.**
9. As a Project Assistant, Diyagama Township Development Project, Sri Lanka. (2007). **Urban Development Authority, Sri Lanka.**

10. As a Project Assistant, IEE for Proposed Bellanwila Attidiya" visitor's center construction project, Sri Lanka. (2007). **Department of Wildlife Conservation**, Sri Lanka.

*Key Positions Held / Holding Outside the University*

1. **Member**, (2018 - ), Board of Education (BoE), Institute of Town Planners, Sri Lanka
2. **Treasurer** (2017 - ), OSGeo Sri Lanka, Sri Lanka.
3. **President** (2014 – 2015), Niigata Sri Lanka Friendship Association, Japan
4. **President** (2014 – 2015), Nagaoka University of Technology, Sri Lanka Alumni – NUTSL

*Organization of Conferences and Workshops*

1. **Conference Secretariat, FOSS4G Asia 2018** (2<sup>nd</sup> -5<sup>th</sup> December 2018). Jointly organized by Dept. of TCP, UoM, OSGeo-Sri Lanka and OSGeo
2. **Logistic Coordinators, National workshop on Land acquisition and resettlement in Infrastructure development projects** (15<sup>th</sup> - 16<sup>th</sup> July 2013). Jointly organized by Faculty of Architecture, University of Moratuwa, The World Bank, Ministry of Land and Land Development, Sri Lanka and Australian Aid
3. **Logistic Coordinators, Training of Trainers (ToT) programme on MLARR in Sri Lanka** (17<sup>th</sup> July 2013). Jointly organized by Faculty of Architecture, University of Moratuwa, The World Bank, Ministry of Land and Land Development, Sri Lanka and Australian Aid
4. **Logistic Coordinators, Course review workshop on MLARR** (13<sup>th</sup> – 14<sup>th</sup> July 2013). Jointly organized by Faculty of Architecture, University of Moratuwa, The World Bank, Ministry of Land and Land Development, Sri Lanka and Australian Aid

*Training Programme Conduct*

1. As a lecturer, Knowledge sharing session for UDA officers. **Organized by Research and Development Division, Urban Development Authority (UDA)**, Sri Lanka. 15<sup>th</sup> November 2017
2. As a lecturer, Short Course on Spatial Mapping & Analysis Tool. **Organized by Research and Development Division, Urban Development Authority (UDA)**, Sri Lanka. 18<sup>th</sup> – 22<sup>nd</sup> October 2017
3. As a lecturer, Knowledge sharing session for Strategic Planners in UDA. **Organized by Research and Development Division, Urban Development Authority (UDA)**, Sri Lanka. 27<sup>th</sup> September 2017

## Awards & Achievements

*Award*

1. **Best Research Paper (Academic Track)**, FOSS4G-Asia 2018
2. **Best Research Paper in Highways and Safety**, 3<sup>rd</sup> International conference on Research for Transport and Logistics Industry (R4TLI), Sri Lanka Society of Transport & Logistics
3. The **Best Graduating Student in Faculty of Planning & Public Policy** for the academic year 2009/11, Alumni Association, CEPT University, India
4. The **Best Graduating Student in Infrastructure Planning of Faculty of Planning & Public Policy** for the academic year 2009/11, CEPT University - Vastu Shilpa Foundation, India Institute of Town Planners India Gujarat Chapter Scholarship Award
5. The **Best thesis in the Faculty of Planning & Public Policy** for the academic year 2009/11, CEPT University - Vastu Shilpa Foundation, India
6. The **Best thesis in the Infrastructure Planning**, Faculty of Planning & Public Policy for the academic year 2009/11, CEPT University - Vastu Shilpa Foundation, India

7. The **Best Performance in the final year in Faculty of Planning & Public Policy** for the academic year 2009/11, CEPT University - Institute of Town Planners India (ITPI), India
8. Late Miss Jayshree Laijawala Memorial award; The **Best Performance in the 1st year in the Faculty of Planning & Public Policy** for the academic year 2009/11, CEPT University - CEPT University, India
9. **Dean's list for superior academic performance in all 8 semesters** in BSc(Hons), Town & Country Planning, University of Moratuwa, Sri Lanka
10. **Class Rank 001**, in BSc(Hons), Town & Country Planning 2004-08, University of Moratuwa, Sri Lanka

- Scholarship*
1. Japanese Government (Monbukagakusho) Scholarship. 2014-2017
  2. CEPT University Graduate Scholarship for Infrastructure Planning for the academic year 2009/2011 - CEPT University, India

### Professional Memberships

1. Corporate Member – Institute of Town Planners, Sri Lanka (ITPSL)
2. Regular Member - Eastern Asia Society for Transport Studies (EAST)
3. Associate Member - Sri Lanka Association for Improving Higher Education Effectiveness (SLAIHEE)
4. Member - Transport Research Board (TRB), USA
5. Member - OSGeo Sri Lanka, Sri Lanka
6. Member – Sri Lanka Society for Transport & Logistics, Sri Lanka
7. Student Member - International Environmental Modelling & Software Society
8. Student Member - Japan Society of Civil Engineers (JSCE)
9. Student Member - Institute of Electrical and Electronics Engineers (IEEE)
10. Student Member - Universal Association of Civil, Structural and Environmental Engineers (UACSE)

### Professional Training Received

1. The Shinkansen (High Speed Train) Summer Seminar for International Students, 2016. National Graduate Institute for Policy Studies, Tokyo, Japan
2. Training of Trainers (TOT) on Management of Land Acquisitions, Resettlement and Rehabilitation (MLARR), 2013. World Bank, Sri Lanka in collaboration with the University of Moratuwa
3. Part III course of the Institute of Town Planners Sri Lanka – Professional Examination, 2012. Institute of Town Planners Sri Lanka, Sri Lanka
4. Training course on “Remote Sensing, Geographical Information System and Global Positioning System, 2010. Indian Institute of Remote Sensing, India

### Staff Training Received

1. Certificate of Teaching in Higher Education of the Staff Development Center, University of Colombo - 2014
2. Staff & Educational Development Association (SEDA) qualification, Certificate of Teaching in Higher Education at the Staff Development Center, University of Colombo - 2014

### Administrative Activities within the University

1. Undergraduate Research Coordinator, Dept T&CP - 2019
2. Year Coordinator: Level 2 Dept T&CP – 2019
3. Year Coordinator: Level 2 Dept T&CP – 2018
4. Year Coordinator: Level 3 Dept T&CP – 2014



5. Year Coordinator: Level 3 Dept T&CP – 2013
6. Year Coordinator: Level 3 Dept T&CP – 2012
7. Year Coordinator: Level 3 Dept T&CP – 2011
8. Stream Coordinator: Planning Technology Dept T&CP - 2014
9. Stream Coordinator: Planning Technology Dept T&CP - 2013
10. Stream Coordinator: Planning Technology Dept T&CP - 2012
11. Module Coordinator for the Master of Spatial Planning, Management & Design Programme 2012/14 & 2013/15 degree programme 2013
12. Committee member – Deyata Kirula 2014 National Exhibition 2014
13. Department coordinator for career guidance Dept T&CP - 2014
14. Department coordinator for career guidance Dept T&CP - 2013

## Other training

1. The Shinkansen (High Speed Train) Summer Seminar for International Students, 2016. National Graduate Institute for Policy Studies, Tokyo, Japan
2. Certificate of Teaching in Higher Education of the Staff Development Center, University of Colombo, Sri Lanka, Duration: 1 year/ part-time, 2014
3. Training of Trainers (TOT) on Management of Land Acquisitions, Resettlement and Rehabilitation (MLARR), 2013. World Bank, Sri Lanka in collaboration with the University of Moratuwa, Duration: 1 day/ Full time. July, 2013
4. Part III course of the Institute of Town Planners Sri Lanka – Professional Examination, 2012. Institute of Town Planners Sri Lanka, Sri Lanka, Duration: 1 year/ part-time
5. Training course on “Remote Sensing, Geographical Information System and Global Positioning System, Indian Institute of Remote Sensing, India, Duration: 2 months/ part-time, (October,2010- December, 2010)

## Countries of work experience

: Sri Lanka, India, Japan

## Language proficiency

	: Speak	Read	Write	
	English	Excellent	Excellent	Excellent
	Sinhala	Excellent	Excellent	Excellent

## Detailed tasks assigned

(Part time consultancy assignments)

Project Name: Capacity building of government officers (Planning and Development) to develop climate resilient village development plans in Madirigiriya, Lankapura and Walapane DSDs.

Location: Madirigiriya, Lankapura and Walapane DSDs

Year: 2018 - Ongoing

Client: UNDP

Position Held: Infrastructure and transport planner & GIS specialist

Project Name: Preparation of Environmental Management Plan, Bolgoda Lake.

Location: Bolgoda Lake

Year: 2013 - 2014

Client: Central Environmental Authority

Position Held: Infrastructure and transport planner & GIS specialist

Project Name: Vulnerability Mapping - Kesbewa Urban Council Area.

Location: Kesbewa UC, Sri Lanka

Year: 2012

Client: RUAF Foundation, The Netherlands

Position Held: Infrastructure planner & GIS specialist

Project Name: Climate Resilient Action Plans for Coastal Urban Areas Sri Lanka (CCSL)

Location: Sri Lanka

Year: 2011 - 2013

Client: Nordic Climate Facility, Finland

Position Held: Infrastructure and transport planner & GIS specialist

Project Name: Formulation of a City Development Strategy for Sri Lankan Cities to Respond to Climate Change Impacts; Case study – Batticaloa and Negombo MC and their environs

Location: Batticaloa and Negombo MC, Sri Lanka

Year: 2011 - 2013

Client: UNHABITAT

Position Held: Infrastructure and transport planner & GIS specialist

Project Name: Preparation of Development Guidelines for Sri Lanka Tourism

Location: Sri Lanka

Year: 2011 - 2012

Client: Sri Lanka Tourism Development Authority, Sri Lanka

Position Held: Infrastructure and transport planner & GIS specialist

Project Name: Detailed Project Report Kolkata Tram, India

Location: Kolkata, India

Year: 2010-2011

Position Held: Assistant - Transport Planning

Project Name: Preparation of EIA Report and Master Plan for Enderamulla Township Development in Mahara area.

Location: Mahara

Year: 2008-2009

Client: Urban Development Authority

Position Held: Project Assistant

Project Name: Programme to Support to Implementation of SL Urbanization.

Location: Sri Lanka

Year: 2008-2009

Client: Minister of Urban Development & Scared Area Development, Sri Lanka and UNDP

Position Held: Project Assistant

Project Name: Preparation for Tourism Development Project for Bolgoda Lake for Western Provincial Council

Year: 2008-2009

Client: Western Provincial Council, Sri Lanka

Position Held: Project Assistant

Project Name: Preparation of the Master Plan for Diyagama Township in Homagama

Location : Homagama

Year: 2007

Client: Urban Development Authority

Position Held: Project Assistant

Project Name: IEE for Proposed Bellanwila Attidiya visitor's center construction project

Location : Bellanwila Attidiya

Year: 2007

Client: Department of Wildlife Conservation

Position Held: Project Assistant

Amila Jayasinghe

Date: 2018 / 08 / 15