



Amila Jayasinghe,

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

Senior Lecturer Grade II

Department of Town & Country Planning,
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CURRICULUM VITAE (CV)

Name of Expert	: Amila Buddhika Jayasignhe
Date of Birth	: 13/10/1982
Citizenship	: Sri Lankan
Expertise Areas	: Town/Urban Planning, Regional Planning, Spatial Analysis and Simulation, Transport and Infrastructure Planning, Application of Operon Source GIS in Spatial Analysis.

Education:

- Honours Degree of Bachelor of Science in Town & Country Planning (University of Moratuwa, Sri Lanka)
- Master of Planning in Infrastructure Planning (CEPT University, India)
- Doctor of Engineering in Energy & Environment (Nagaoka University of Technology, Japan)

Employment Records:

Period	Employing Organization and Title/Position. Contact Information for Reference	Country	Summary of Activities Performed Relevant to the Assignment
October 2017 to date	Department of Town & Country Planning, University of Moratuwa, Sri Lanka. Senior Lecturer GII For references: Prof. R. Rathnayake Head of Department, Department of Town & Country Planning, University of Moratuwa, Sri Lanka. Tel. +94112650921	Sri Lanka	- Conduct lecture for undergraduate and post graduate students - Supervise research students - Coordinate administrative activities related to degree programme - Develop curriculums, lecture models, teaching materials, assignments, problem solving projects - Writing research proposals, papers and other publications - Carrying out fully-fledged research and consultancy programs with national and international academic and industrial partners
October 2012 to October 2017	Department of Town & Country Planning, University of Moratuwa, Sri Lanka. Lecturer (Probationary) For references: Prof. R. Rathnayake Head of Department, Department of Town & Country Planning, University of Moratuwa, Sri Lanka. Tel. +94112650921	Sri Lanka	- Conduct lecture for undergraduate and post graduate students - Coordinate administrative activities related to degree programme - Develop curriculums, lecture models, teaching materials, assignments, problem solving projects - Writing research proposals, papers and other publications - Carrying out fully-fledged research

			and consultancy programs with national and international academic and industrial partners
August 2011 to October 2012	<p>Department of Town & Country Planning, University of Moratuwa, Sri Lanka.</p> <p>Lecturer (On contract)</p> <p>For references: Prof. R. Rathnayake Head of Department, Department of Town & Country Planning, University of Moratuwa, Sri Lanka.</p> <p>Tel. +94112650921</p>	Sri Lanka	<ul style="list-style-type: none"> - Conduct lecture for undergraduate and post graduate students - Coordinate administrative activities related to degree programme - Develop curriculums, lecture models, teaching materials, assignments, problem solving projects - Writing research proposals, papers and other publications - Carrying out fully-fledged research and consultancy programs with national and international academic and industrial partners
June 2008 to June 2009	<p>Department of Town & Country Planning, University of Moratuwa, Sri Lanka.</p> <p>Instructor (Temporary)</p> <p>For references: Prof. R. Rathnayake Head of Department, Department of Town & Country Planning, University of Moratuwa, Sri Lanka.</p> <p>Tel. +94112650921</p>	Sri Lanka	<ul style="list-style-type: none"> - Provide academic assistance - Provide assistance in coordinate administrative activities related to degree programme - Writing research proposals, papers and other publications

Membership in Professional Associations

- Executive Committee Member & Corporate Member in the Institute of Town Planners, Sri Lanka (ITPSL) M304
- Vice President & Regular Member in the Sri Lanka Society of Transport and Logistics (SLSTL) SLSTL-016 / LK-14-19-0016
- Treasurer & Member in the OSGeo Sri Lanka, Sri Lanka Regular Member in the Eastern Asia Society for Transport Studies (EAST)
- Associate Member in the Sri Lanka Association for Improving Higher Education Effectiveness (SLAIHEE)
- Member of the Transport Research Board (TRB), USA

Publications

- **Jayasinghe, A.**, Kalpana, L. D. C. H. N., Abenayake, C. C., & Mahanama, P. K. S. (2021). Urban Boundary Demarcation—An iCN Model Approach. *Social Sciences*, 10(12), 448.
 - Manesha, E. P. P., **Jayasinghe, A.**, & Kalpana, H. N. (2021). Measuring urban sprawl of small and medium towns using GIS and remote sensing techniques: A case study of Sri Lanka. *The Egyptian Journal of Remote Sensing and Space Science*.
 - Ranaweera, M. N. N., **Jayasinghe, A. B.**, & Abenayake, C. (2021). Study on Level of Vegetation Land Fragmentation in Western Province, Sri Lanka. *FARU Journal*, 8(1).
 - Manesha, E. P. P., & **Jayasinghe, A.** (2021). Analysis of Relationship Between Urban Sprawl and its Driving Factors: A Case of Small and Medium Town in Sri Lanka. *FARU Journal*, 8(1).
 - Dias, N., Jayakody, C., Amaratunga, D., Abenayake, C., & **Jayasinghe, A.** (2021). Health resilient cities in a post Covid world. In *COVID 19: Impact, Mitigation, Opportunities and Building Resilience: From Adversity to Serendipity* (pp. 621-635). National Science Foundation of Sri Lanka.
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Publications

- Piyumi, M. M. M., Abenayake, C., **Jayasinghe, A.**, & Wijegunaratna, E. (2021). Urban Flood Modeling Application: Assess the Effectiveness of Building Regulation in Coping with Urban Flooding Under Precipitation Uncertainty. *Sustainable Cities and Society*, 103294.
- Kalpana, L. D. C. H. N., Abenayake, C., **Jayasinghe, A.**, Mahanama, P. K., & Sanjaya, N. (2021). A novel approach to measure the pattern of urban agglomeration based on the road network. *International Journal of Sustainable Development and Planning*, 16(2), 251-262.
- Sewwandi, S., & **Jayasinghe, A.** (2021). An Investigation of the Effects of New Bypass Roads on Build Form in Small Towns in Sri Lanka. *Journal of South Asian Logistics and Transport*, 1(1).
- Kalpana, L. D. C. H. N., **Jayasinghe, A. B.**, Abenayake, C. C., & Wijayawardana, P. N. P. (2021). Network Centrality Assessment (NCA): Assessing the Transport Network Resilience to Urban Flooding. *Journal of South Asian Logistics and Transport*, 1(1).
- **Jayasinghe, A.**, Madusanka, N. B. S., Abenayake, C., & Mahanama, P. K. S. (2021). A Modeling Framework: To Analyze the Relationship between Accessibility, Land Use and Densities in Urban Areas. *Sustainability*, 13(2), 467.
- Wijayawardana, P. N. P., Abenayake, C. C., **Jayasinghe, A. B.**, Kalpana, L. D. C. H. N., Dias, N., Amaratunga, D., & Haigh, R. (2020). A GIS-Based Simulation Application to Model Surface Runoff Level in Urban Blocks. *FARU Journal*, 7.
- Pathiraja, A. L. A. C., de Silva, P. C. P., & **Jayasinghe, A.** (2020). Requirement Area Review: Flexible Study Area for Traffic Impact Assessments. *FARU Journal*, 7.
- Pathirana, U. P. L. V., Peiris, M. T. O. V., **Jayasinghe, A. B.**, & Mahanama, P. K. S. (2020). Assessment framework to select sustainable storm water management options for urban areas. *Bhumi, The Planning Research Journal*, 7(2).
- Kalpana, L. D. C. H. N., **Jayasinghe, A. B.**, Abenayake, C. C., & Wijayawardana, P. N. P. (2020). An Alternative Approach to Assess the Residential Population Resilience to Urban Flooding. *FARU Journal*, 7.
- **Jayasinghe, A.**, Sathsarana, H.W.A.S., Rathnayake, R.M.Y.L., Bandara, N. S. (2020). A Novel Method to Model Spatial Distribution of Population. *International Journal of Innovative Technology and Exploring Engineering*. 9 (3S), 34-40.
- Tenzin, N., **Jayasinghe, A.**, & Abenayake, C. (2019). Road Network Centrality based Model to Simulate Population Distribution. *Journal of the Eastern Asia Society for Transportation Studies*, 13, 1194-1215.
- Kalpana, L., **Jayasinghe, A.**, & Abenayake, C. (2019). Accessibility Assessment of Cities Based on Network Analysis and Centrality. *Journal of the Eastern Asia Society for Transportation Studies*, 13, 1062-1096.
- Bandara, M.M.N.C., Peris, M.T.O.V., **Jayasinghe A.B.** (2019) Evaluation of Sustainability Assessment Practices in Mega Transport Infrastructure Projects in Sri Lanka: Special Reference to Expressway Projects. 13th International Conference of the Eastern Asia Society for Transportation Studies (EASTS), Colombo, Sri Lanka. 12, 21.1-21.15.
- **Jayasinghe, A.**, Tenzin, N.Z., Abenayake, C.C., & Mahanama, P.K.S. (2019). Simulation of Population Growth and Distribution based on Centrality of Road Network. *International Journal of Innovative Technology and Exploring Engineering*, 8 (10S), 389-393.
- **Jayasinghe, A.**, Kasemsri, R., Abenayake, C.C., & Mahanama, P.K.S. (2019). Network Centrality Analysis of Public Transport Systems: Developing a Strategic Planning Tool to Assess Passenger Attraction. *International Journal of Innovative Technology and Exploring Engineering*, 8 (10S), 472-476.
- **Jayasinghe, A.**, Sano, K., Abenayake, C. C., & Mahanama, P. K. S. (2019). A novel approach to model traffic on road segments of large-scale urban road networks. *MethodsX*, 6, 1147-1163.
- L. D. C. H. N. Kalpana., **Amila Jayasinghe** & Chethika Abenayake: Accessibility Assessment of Cities Based on Network Analysis and Centrality. 13th international conference of the Eastern Asia Society for Transportation Studies (EASTS). 09/2019

Publications

- Nima TENZIN, **Amila Jayasinghe**, Chethika Abenayake: Road Network Centrality based Model to Simulate Population Distribution. 13th international conference of the Eastern Asia Society for Transportation Studies (EASTS). 09/2019
 - Abenayake, C. C., Mikami, Y., Matsuda, Y., & **Jayasinghe, A.** (2018). Ecosystem services-based composite indicator for assessing community resilience to floods. *Environmental development*, 27, 34-46.
 - **Amila Jayasinghes**, Kazushi Sano, Kasemsri Rattanaporn: (2018) Application for developing countries: Estimating trip attraction in urban zones based on centrality. *Journal of Traffic and Transportation Engineering*. 4(5); 464-476
 - Kasemsri, R., Sano, K., Fukuda, A., **Jayasinghe, A.**: Applicability of the multi-hierarchy network under demand uncertainty by using ellipsoidal uncertainty set in robust optimization: Bangkok, Thailand. *Transportation Systems in the Connected Era - Proceedings of the 23rd International Conference of Hong Kong Society for Transportation Studies, HKSTS 2018*. 12/2018
 - 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)
 - 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
 - S.W.M.P. Malith Senevirathne, N. Lakmali, **A.B. Jayasinghe**: Stakeholders' Perception of B Us Priority Lanes (B PI) In Colombo, Sri Lanka: 2018, *International Journal of Advanced Research* 6(8):268-277
 - 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
 - **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
 - 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
 - **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
 - **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 52nd Japan Society of Civil Engineers (JSCE) Infrastructure and Planning Conference. Akita, Japan. 11/2015
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- 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>
 - **Amila Jayasinghe**, 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
 - **Amila Jayasinghe**, Jezaan. 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>
 - **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
 - 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.
 - 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.
 - 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
 - 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)
 - 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)
 - 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
 - **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.
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- 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
- L.S., Bandara, **Amila Jayasinghe**, C.C., Abenayake, P.K.S., Mahanama, (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_Lasantha.docx
- **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
- 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)
- **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
- 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 Geoinformatics Society of Sri Lanka, 10/2007;

Language Skills		Speaking	Reading	Writing
	English	Excellent	Excellent	Excellent
	Sinhala	Excellent	Excellent	Excellent

Adequacy for the Assignment

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
	<p>Name of assignment or project: Preparation of GIS Database for Land-use Planning and Urban Management – Gamapaha MC Area Year: March 2020 – up to date Location: Gampaha Municipal Council Area Client: Gampaha Municipal Council Area Main Project Features:</p> <ul style="list-style-type: none"> i. Preparation of Curriculum for Urban Planning and Urban Design <p>Position Held: Project Manager and GIS specialist Activities Performed:</p> <ul style="list-style-type: none"> o Preparation GIS database and training
	<p>Name of assignment or project: Urban Planning and Urban Design Curriculum Development for Afghanistan University Year: March 2020 – up to date Location: Afghanistan Client: The Ministry of Urban Development & Land in the Islamic Republic of Afghanistan Main Project Features:</p> <ul style="list-style-type: none"> ii. Preparation of Curriculum for Urban Planning and Urban Design

	<p>Position Held: Transport Planner and Infrastructure Planner</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> ○ Preparation need assessment and demand assessment ○ Preparation of the curriculum
	<p>Name of assignment or project: Preparation of Project Proposal on Curricula Enrichment delivered through the Application of Location-based Services to Intelligent Transport Systems / LBS2ITS</p> <p>Year: November 2019 – up to date</p> <p>Location: Sri Lanka</p> <p>Client: Department of Geodesy and Geoinformation, Technical University, Austria</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> iii. Preparation of project proposal <p>Position Held: Transport Planner and GIS Specialist</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> ○ Preparation of the project proposal ○ Local project coordination
	<p>Name of assignment or project: Jaffna Bus Terminal Plan & Design Project</p> <p>Year: July 2019 – December 2019</p> <p>Location: Jaffna, Sri Lanka</p> <p>Client: Urban Development Authority, Sri Lanka</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> i. Preparation of site plan for bus terminal <p>Position Held: Urban Planner</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> ○ Site Analysis, Preparation of site plan
	<p>Name of assignment or project: Transport-Based Urban Development Plan for Mawanella</p> <p>Year: March 2019 – November 2019</p> <p>Location: Mawanella, Sri Lanka</p> <p>Client: Urban Development Authority, Sri Lanka</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> i. Preparation of transport plan ii. Preparation of site plan for bus terminal <p>Position Held: Urban Planner</p> <p>Activities Performed:</p> <p>Site Analysis, Preparation of site plan</p>
	<p>Name of assignment or project: Capacity building of government officers (Planning and Development) to develop climate resilient village development plans.</p> <p>Year: May 2018 – November 2019</p> <p>Location: Madirigiriya, Lankapura and Walapane DSDs, Sri Lanka</p> <p>Client: United Nations Development Programme (UNDP), Sri Lanka</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> - Preparation of <ul style="list-style-type: none"> ○ Village Profiles (Village Inventory and GIS database) ○ Climate Smart Village (SCV) Plans ○ Long-term physical development plan (PDP) and stakeholder involvement plan in the implementation of the selected management and adaptation interventions ○ Environmental management plan ○ Social development plan ○ Conservation, Cultural & Tourism Development Plan ○ Economic development plan ○ Financial development plans ○ Institutional development plans ○ Disaster risk management plans ○ Climate change adaptation plan ○ Multi-sectoral investment plan (MSIP)\ ○ Training Manuals (ToT) and trained local level officers

	<p>Position Held: Infrastructure Planner and GIS Specialist</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> - Preparation of <ul style="list-style-type: none"> o Village Profiles (Village Inventory and GIS database) o Climate Smart Village (SCV) Plans o Long-term physical development plan (PDP) and stakeholder involvement plan in the implementation of the selected management and adaptation interventions o Training Manuals (ToT) and trained local level officers
	<p>Name of assignment or project: Preparation of Environmental Management Plan, Bolgoda Lake</p> <p>Year: January 2013 – December 2014</p> <p>Location: Bolgoda Lake Basin, Sri Lanka</p> <p>Client: Central Environmental Authority, Sri Lanka</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> - Preparation of <ul style="list-style-type: none"> o Report on the existing situation o Report of the physical features of the site and its surroundings (topography, land, tree species, water ways, archeological remains, rocks outcrops etc.) - Conduct <ul style="list-style-type: none"> o Hydrological survey, Geological Survey o Environmental study o Land use survey and activity pattern survey o Infrastructure assessment o Socio economic survey o Technical Feasibility, Financial Feasibility, Social Acceptability and Environmental Sustainability study - Preparation of <ul style="list-style-type: none"> o Human settlement layout planning o Physical and environmental strategy o Implementation strategy <p>Position Held: Infrastructure Planner and GIS Specialist</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> - Conduct <ul style="list-style-type: none"> o Land use survey and activity pattern survey o Infrastructure assessment - Preparation of <ul style="list-style-type: none"> o Human settlement layout planning o Physical and environmental strategy o Implementation strategy
	<p>Name of assignment or project: Vulnerability Mapping - Kesbewa Urban Council Area.</p> <p>Year: September 2012 – October 2012</p> <p>Location: Kesbewa UC, Sri Lanka</p> <p>Client: RUAF Foundation, The Netherlands</p> <p>Main Project Features:</p> <ul style="list-style-type: none"> - Preparation of Vulnerability Assessment including the Climate Change Impact and suggesting adaption mechanism for Urban Agriculture Sector <p>Position Held: Infrastructure Planner and GIS Specialist</p> <p>Activities Performed:</p> <ul style="list-style-type: none"> - Preparation of Preparation of Vulnerability Assessment - Trained local level officers
	<p>Name of assignment or project: Climate Resilient Action Plans for Coastal Urban Areas Sri Lanka (CCSL).</p> <p>Year: October 2011– July 2013</p> <p>Location: Batticalo Municipal Council (BMC) & Negambo Municipal Council (MC), Sri Lanka</p> <p>Client: Nordic Climate Facility, Finland</p> <p>Main Project Features:</p>

- 3 BMC and 1 NMC Climate Resilient Adaptation Strategies and supporting Action Plans (CRASAP) developed, demonstration projects implemented and well documented, with lessons learned synthesized into a Training Manual for Sri Lankan coastal cities (output 1)
- Documented CRASAP experiences validated with BMC/NMC stakeholders and shared through national and three Provincial level (Western, Southern and Eastern Province) consultations, with proceedings reported Prepared (output 2)
- A 'National Statement on Climate Resilient Cities' (NSCRS) prepared, with recommendations being mainstreamed into relevant national and sectoral policies, plans, strategies and communications; and disseminated through a national consultation to launch replication of the experiences and approach nationally (output 3)
- CRASAP Training-of-Trainers (ToT) and demonstrative replication projects by Sri Lanka Institute of Local Government (SLILSG) conducted to build capacity in 7 replication cities to conduct V&AA and develop Climate Resilient Adaptation Strategies and supporting Action Plans, and launch national climate change policy implementation at the city-level (output 4)

Position Held: Infrastructure Planner and GIS Specialist

Activities Performed:

- Preparation of
 - o Climate Resilient Adaptation Strategies and supporting Action Plans
 - o 'National Statement on Climate Resilient Cities'
 - o CRASAP Training-of-Trainers (ToT) and conduct training

Name of assignment or project: 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

Year: January 2010– June 2010

Location: Batticaloa Municipal Council (BMC) & Negombo Municipal Council (MC), Sri Lanka

Client: UNHABITAT

Main Project Features:

- Inventory of GHG sources with locations BMC & NMC areas in order to determine the required mitigation measures to be implemented.
- Vulnerability assessment report on Climate change in BMC and NMC to guide adaptation strategies,
- Report on review of National actions taken and available for GHG mitigation and urban sector adaptations with recommendations to national partners on support needed for city level actions,
- Report recommending plans for mitigation and adaptation to minimize climate change impacts on citizens of Batticaloa & Negombao Areas,
- Report on stakeholder workshop in each city, vi) Guiding manual prepared to build and create awareness among general public on climate change issues and strategies for mitigation and adaptation,
- Report of capacity building strategies implemented in both cities,
- Report of the recommendations of appropriate institutional mechanism between national, provincial and city level to ensure proper management and implementation of mitigation and adaptation plans and actions.

Position Held: Infrastructure Planner and GIS Specialist

	<p>Activities Performed:</p> <ul style="list-style-type: none"> - Preparation of <ul style="list-style-type: none"> o Inventory of GHG sources o Vulnerability assessment report on Climate change o Report recommending plans for mitigation and adaptation to minimize climate change impacts on citizens - Conduct awareness programmes and training programmes
	<p>Name of assignment or project: Preparation of Development Guidelines for Sri Lanka Tourism Year: August 2011 – July 2012 Location: Sri Lanka Client: Sri Lanka Tourism Development Authority, Sri Lanka Main Project Features:</p> <ul style="list-style-type: none"> - Development of General Guidelines, - Development of Area Specific Guidelines - Development of Product Specific Guidelines <p>Position Held: Infrastructure Planner and GIS Specialist Activities Performed:</p> <ul style="list-style-type: none"> - Develop of General Guidelines, Area Specific Guidelines and Product Specific Guidelines related to infrastructure - Conduct GIS analysis

Expert's Contact Information : e-mail : amilabj@uom.lk / amilabjayasinghe@gmail.com Tel. No. +94 715660158

Certification :
I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available to undertake the assignment in case of an award.

A.B. Jayasinghe



{11/12/2021}

Name of Expert

Signature

Date
{day/month/year}