


Name	Prof. Sarath Abayakoon
Photo (Will be taken later)	
Position	Consultant Senior Professor
Qualifications	P.h.D. (British Columbia, Canada), MASc, BSc.Eng (Peradeniya), F(IESL), P(Eng)SL, FNASSL, SLAAS, SLGS
Teaching Modules	CE1314 Mechanics
Research Interests	Geotechnical Engineering, Seismic response analysis, Timber Engineering, Disaster management and mitigation, Use of Finite Element Methods in Engineering
Specialization	Geotechnical Engineering Structural Engineering Disaster management and mitigation
Publications	1. Gamage, D. H. P. and Abayakoon, S. B. S., "Applicability of Plaxis 2D Software for the Analysis of Piled Raft Foundations Under Lateral Loading and Combined Vertical and Lateral Loading", Accepted for

	<p>publication in the Journal of the Institution of Engineers, Sri Lanka, 2023</p> <p>2. Wickremesinghe, K. M. M. U. and Abayakoon, S. B. S., “Numerical Analysis of an Earth and Rockfill Dam, A Case study”, Submitted for publication in the Journal of the Institution of Engineers, Sri Lanka, 2023</p> <p>3. Wickremesinghe, K. M. M. U. and Abayakoon, S. B. S., “Seismic Response of an Earth and Rockfill Dam, A Case study”, Submitted for publication in the Journal of the Institution of Engineers, Sri Lanka, 2023</p> <p>4. Wickramasooriya M. D. J. P. and Abayakoon, S. B. S., “Possible Existence of a Relationship between Electrical Resistivity and Parameters of Soils”, To be submitted for publication in the Journal of the Institution of Engineers, Sri Lanka, 2023</p> <p>5. Wickramasooriya M. D. J. P. and Abayakoon, S. B. S., “Statistical Development of Correlations Among Fundamental Parameters of Sri Lankan Soils”, To be submitted for publication in the Journal of the Institution of Engineers, Sri Lanka, 2023</p> <p>6. Abayakoon, S. B. S., “Role of Higher Education in Capacity Development Programmes”, Asia Pacific Network Conference on REDD+, Phnom Penh, Cambodia, November 2015</p> <p>7. Abayakoon, S. B. S., “Trans disciplinary Education – Sri Lankan Challenge and Experience”, 1st INATE (International Network for Advancing Trans-disciplinary Education) International Conference on Knowledge to Practice, Canberra, Australia, July 2015</p> <p>8. Abayakoon, S. B. S., Siththarthan, A., Tharshan, T. and Thusyanthan, K. “Improvement of Peat Deposits for Construction”, International Engineering Convention, Lahore, Pakistan, December 2014</p>
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9. Dias, A. A. Virajh, Abayakoon, S. B. S., and Bhandari, R. K. "Discrete Boundary Shear Strength of a Landslide at High Rainfall Precipitation Zone in Sri Lanka", World Landslide Forum, Beijing, China, June 2014.
10. Abayakoon, S. B. S, "Higher Education Needs for Climate and Ecosystems Change Adaptation – A Country Assessment, Sri Lanka", Proceedings, International Conference on Risk Informed Disaster Management: Planning for Response, Recovery and Resilience - International Institute for Infrastructure Renewal and Reconstruction (IIIR), Brisbane, Australia, July 2013.
11. Abayakoon, S. B. S, "Research Programme Development at UN-CECAR", Proceedings, 7th UN-CECAR International Conference and Workshop on Leadership and Sustainability – University Network for Climate and Ecosystems Change Adaptation Research, Beijing and Shennongjia, China, June 2013.
12. Herath, S., Abayakoon, S., Mishra, B., Woldie, D. and Roychowdhury, K., "Landslide Risk Assessment for Developing Community Resilience ", Proceedings, International Conference on Sri Lanka–Japan Collaborative Research, Peradeniya, Sri Lanka, March 2013.
13. Kumarasiri, C., De Silva, N and Abayakoon, S., "Evaluation of Soil Liquefaction in Sri Lanka – A Dynamic Approach Using Geotechnical Investigation Data", Proceedings, Symposium on Civil Engineering Research for Industry, Moratuwa, Sri Lanka, pp 32-37, December 2012.
14. Senaratne, R. and Abayakoon, S. B. S., "New Breed of Institutional Leaders for Internationalizing Sri Lankan Universities", Proceedings, Workshop on Re-creating and Re-Positioning of Sri Lankan Universities to meet Emerging Opportunities and Challenges in a Globalized Environment, Kalutara, Sri Lanka, pp 115-127, June 2012.
15. Kumarasiri, H. C., De Silva L. I. N. and Abayakoon, S. B. S, "Liquefaction Potential in Sri Lanka –Preparation of a Liquefaction

Hazard Map Using Geotechnical Investigation Data ", Transactions – 2011, Annual Sessions, Institution of Engineers, Sri Lanka, pp 110-117, Vol. 1, Part B, July 2011.

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18. Ratnayake, R. M. P. D. and Abayakoon, S. B. S, "Low Cost Housing, Economical Use of Sri Lankan Timber", Proceedings, International conference on Impact of Natural Hazards and Disasters on Social and Economic Infrastructure Development - International Institute for Infrastructure Renewal and Reconstruction (IIIRR), Ahungalle, Sri Lanka, pp 13 – 17, July 2009.
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20. Mohadevan, N. and Abayakoon, S. B. S, "An Appraisal of Seismically Weak Buildings in Colombo, Sri Lanka", Proceedings, International conference on Mitigation of the Risk of Natural Hazards, Peradeniya, Sri Lanka, pp 42-43, March 2007.
21. Ratnayake, R. M. P. D. and Abayakoon, S. B. S, "Economical Timber Roof Structures", Proceedings, International conference on Mitigation of the Risk of Natural Hazards, Peradeniya, Sri Lanka, pp 57-58, March 2007.

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