



ABEE MANSOOR

Abee graduated with a Masters in Sustainability from United Nations University-Institute for the Advanced Study Sustainability in Tokyo, Japan. He had previously worked as an executive Civil Engineer (Water Management & Design) at Centre for Flood Control and Water Management, Colombo and as a Civil engineer at Engineering Design Centre, University of Peradeniya, Peradeniya. He has 7 years of working/training experience in Sri Lanka and Tokyo.

Sustainability Engineer/ Assistant Manager

Nationality
Sri Lankan

Education
Masters in Sustainability, United Nations University-Institute for the Advanced Study Sustainability, Tokyo, Japan

Bachelor (Eng.) in Civil Engineering at Faculty of Engineering, University of Peradeniya, Sri Lanka

Language Capabilities
English (Excellent)
Tamil (Excellent)
Sinhala (Good)

Country of Work Experience
Singapore
Sri Lanka
Japan

Skills
Hydrological and Hydrodynamic modelling
Arc GIS
AutoCAD
Microsoft Office
Data analysis

Work Experience:

Centre for Flood Control and Water Management, Colombo

Project: Metro Colombo Urban Development

Role: Executive Civil Engineer

Date: Jan 2017 - Jun 2019

Description of duties:

Conduct feasibility study and contribute to design of different water management systems. Conduct hydrological modelling of Kelani River Basin using different models to address the impacts of flooding in economically sensitive areas. Contribute to drainage and infrastructure rehabilitation in Metro Colombo area. Communicate between stakeholders including Ministry of Megapolis and Western Development, Colombo Municipal Council and University of Motatuwa. Contribute to the improvement of flood forecasting system in Kalani River Basin. Prepared procurement documents for contracts.

United Nations University, Tokyo

Project: Research Project on Climate Change Adaptation through Optimal Stormwater Capture Measures: Towards a New Paradigm for Urban Water Security

Role: Research associate

Date: Oct 2014 - Dec 2016

Description of duties:

Conducted climate data analysis using observed and projected models for Tokyo, Bangkok and Hanoi. Carryout fieldworks to identify the potential and existing infiltration systems. Conducted flood modelling to identify suitable measures to cope with climate change impacts. Liaised with partner institutes from Japan, Thailand and Vietnam to exchange project ideas and outcomes.

Engineering Design Centre, University of Peradeniya, Peradeniya

Role: Civil Engineer

Date: July 2013 - Aug 2014

Description of duties: Conducted design of water and wastewater treatment systems. Coordinator for Environmental Engineering Laboratory. Contributed to surveying fieldworks at Geotechnical and Survey Laboratory

Saro Weerasuriya Associate, Colombo

Role: Trainee Civil Engineer

Date: Jun 2012 – Sep 2012

Description of duties: Coordinated and supervise building construction and assist Project manager. Responsible for Surveying and safety measures. Supervise concreting of external walls

Provincial Department of Irrigation, Eastern province, Ampara

Role: Trainee Civil Engineer

Date: May 2011 – Aug 2011

Description of duties: Contributed to rehabilitation of Sagama dam damaged by flood. Planned the water management for the irrigation system

Academic Qualifications:

Training Course towards Sustainable Goals at Kanagawa University, Kanagawa

Date: July 2016

M.Sc. in Sustainability at United Nations University - Institute for the Advanced Study of Sustainability, Tokyo, Japan

Date: Sep 2014 - July 2016

Climate Change Downscaling Approaches and Application under UN-CECAR programme, Colombo, Sri Lanka

Date: Mar 2015 -Apr 2015

Building Resilience to Climate Change at United Nations University, Institute for the Advanced Study of Sustainability, Tokyo, Japan

Date: Oct 2014

Statistics on Environmental Sciences at Institute of Fundamental Studies, Kandy, Sri Lanka

Date: Apr 2014

B.Sc. (Eng.) in Civil Engineering at Faculty of Engineering, University of Peradeniya, Sri Lanka

Date: July 2009 - July 2013

Project Contributions:

Project: Metro Colombo Urban Development Project

Date: Jan 2017 – Jun 2019

Funded by: International Bank for Reconstruction and Development (IBRD) of the World Bank Group and the Government of Sri Lanka

Project: Assessing impacts of climate change on rainfall extremes for sustainable stormwater management in Yato Watershed, Tokyo

Date: Oct 2014 - Dec 2016

Funded by: Asia-Pacific Network for Global Change Research (APN-GCR)

Project: Estimate the efficiency of hybrid constructed wetland in nutrient removal
Date: Jan 2014 - Mar 2014

Project: Design of sewer network system and wastewater treatment plant for Deldeniya District General Hospital, Kandy

Date: Aug 2013 - July 2014

Organization: Engineering Design Center, University of Peradeniya

Project: Feasibility study of a new railway line between Gampola and Kadugannawa

Date: May 2013 – July 2013

Project: Healthcare waste management for hospitals in Central Province

Date: October 2012 – July 2013

Publications:

M.M.A Mansoor, B.K. Mishra, S. Herath, '*Assessing Impacts of Climate Change on Rainfall Extremes for Sustainable Stormwater Management in Yato Watershed, Tokyo*', Proceedings of international symposium on Urban Water Security in Southeast Asia: Managing Risk of Extreme Events, Phnom Penh, Cambodia, Nov. 2015

M.M.A. Mansoor, A.M. Rasheed, K.B.S.N. Jinnadasa, '*Nutrient Removal in Hybrid Constructed Wetland*', International Journal in Science & Engineering Research, Volume 5, Issue 1, p 1004-1006, Feb. 2014

M.M.A. Mansoor, M.I.M. Riskhan, K.B.S.N. Jinnadasa and D.G.G.P. Karunaratne: '*Incinerators as a Solution to Healthcare Waste for Hospitals in Central Province*', Proceedings of international symposium on Advances in Civil and Environmental Engineering practices for Sustainable Development (ACEPS), pp 217-223, University of Ruhuna, Sri Lanka, Sep. 2013

Fellowship:

Recipient of Japan Foundation for United Nations University (JF-UNU) scholarship, 2014

Membership:

Associate Member (Membership No.: AM-17949) at The Institution of Engineers, Sri Lanka (IESL)