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PROFILE

I would like to achieve success by enhancing my career more towards structural engineering research , design/construction and also thrive as an academic professional in the field that will utilize my academic, professional and personal skills to the betterment of the faculty.

EDUCATION

2011-2015 - B.Sc.Eng (Hons) degree specialized in the field of Civil Engineering with **second class upper division** at the Faculty of Engineering, University of Peradeniya, Sri Lanka.

2016 Jan - Reading M.Sc.Eng in structural engineering at Faculty of Engineering, University of Peradeniya, Sri Lanka. (Completed up to post graduate diploma level).

2013 – Certificate course in Human Resource Management at University of Peradeniya.

2014 – Diploma in Auto-Cad at Computer software college (ISO 9001 : 2008 certified institution – india).

PROFESSIONAL EXPERIENCES

2015-2016 Instructor at Faculty of Engineering, University of Peradeniya & involved in many consultancy projects under the Engineering Design Centre (EDC) of Faculty of Engineering.

2016 – Engineer and coordinator for a project on Traffic survey and Axle load survey for A15 and B10 roads under the Engineering Design Centre (EDC) of the Faculty of Engineering in collaboration with Road development Authority (RDA) and China Harbour Engineering company Ltd.

Trainee Engineer - Central Engineering Consultancy Bureau (CECB) [Oct 2014 - Jan 2015]

Trainee Engineer - Road Development Authority [Oct 2013 - Jan 2014]

2010- present Involved in many surveying activities under the supervision of Surveyors.

RESEARCH & PUBLICATIONS

Publications:

T.Jeyakaran, T.F.Ahamed, S.B.Weerakoon, “Two dimensional flow modelling of rantembe Reservoir”, Proceedings of CERS, pp-70, 2015

T.Jeyakaran, S.B.Weerakoon,M.M.Rahman, “ Depth-Averaged Computational Modelling”, Waso-Asia Project special session , 7th International conference on Sustainable Built Environment 2016, vol-7, pp 115-123 , 2016

[01] 2015 Two dimensional flow computation in Rantembe reservoir by using finite element model

Carried out an undergraduate research project under the supervision of Prof.S.B.Weerakoon, in which, two dimensional flow pattern in Rantembe reservoir under different combinations of inflow and release through flushing gates was investigated by using 2-D flow computational finite element model (iRIC River 2D).
[Published in ICSBE 2016 & CES Research Symposium 2015]

[02] 2015 Traffic issues at Getambe junction

Carried out a research project under the supervision of three Supervisors. In this project, investigation of the traffic congestion at kandyGetambe junction and a case studies about the alternative solutions for the bottle neck problem of the above junction, were carried out.

[03] Influence of placing and curing temperature on early age strength development of air-entrained HPC An investigation on the effect of placing and curing temperature on early age strength development of air-entrained high-performance concrete (HPC) with supplementary cementitious materials (SCMs) & a study on the performance of high-performance concrete based on the engineering properties. **[Ongoing research under supervision of Dr.H.D.Yapa]**

ADDITIONAL SKILLS AND ABILITIES

Softwares and Applications - Sufficient knowledge and skills in the engineering packages such as MATLAB, AutoCAD, MS Project, Python, SAP2000 ,iRIC 2D and EPANET

Adaptability and Flexibility - Adapted to workplace team, location and responsibility changes.Able to evaluate and change priority.Ability to work as a team member with effective leadership qualities and good communication skills. Highly self-motivated to quick learning and flexibility. Good Oral and Writing skills in English, Tamil.

AFFILIATION WITH PROFESSIONAL BODIES

Associate member of IESL

Member of Institution of Civil Engineers (ice)

EXTRACURRICULAR ACTIVITIES

2015 Obtained first place in concrete mix design competition organized by Holcim in collaboration with University of Peradeniya , University Ruhuna and University of Moratuwa.

2015 Obtained first place in Visual production competition 2015 organized by CES in collaboration with Faculty of Engineering, University of Peradeniya.

2013-2014 Vice-President, Newman society, University of Peradeniya.

2016 Jan – present Treasurer of executive committee, Post Graduate CES , Faculty of Engineering, University of Peradeniya

2013-2014 Spagatti Bridge Design Coordinator, Faculty of Engineering, University of Peradeniya.

2015 Dec Organizing committee member of International conference on Structural Engineering and Construction management 2015.

2013-2014 Civil Engineering society executive committee member - Faculty of Engineering, University of Peradeniya.

Participated in international conferences & annual seminars organized by Faculty of Engineering, University of Peradeniya in collaboration with various institutions.

Certificate in English (Above benchmark UTEL 4) By Ministry of Higher Education of Srilanka

2007-present Active member of the Art of Living Foundation and followed many courses.

Obtained awards in many zonal and school level mathematic competitions.

Participated and obtained certificate for the Leadership Training and Positive thinking development programme conducted at National cadet corps training center on the instructions of Ministry of Defence in collaboration with Ministry of Higher education.

Completed up-to Gread-03 of Carnatic music with class 1 honour.

REFEREES

Prof. S. B. Weerakoon

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University of Peradeniya,
Email ID : sbweera@pdn.ac.lk

Dr.H.D.Yapa

Department of Civil Engineering,
University of Peradeniya,
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Dr. W.M.V.S.K. Wickramasinghe

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