

Department of Civil and Environmental Engineering
Undergraduate Research Project Reports - 2014 / 2015

No.	Acc No	Date	Student Name	Student No.	Title	Submit Date
1	166	26/08//2016	Senthoorkumar, T Thenuwara, T.A.U.D.	RU/E/2010/159 RU/E/2010/167	Investigation of desiccation cracking behavior of compacted clay liners during during	2014 December
2	167	.	De Silva, V.R.S. JanaSinghe, V.H.G.N.R.	RU/E/2010/ 195 RU/E/2010/209	Evaluation of slope stability municipal solid waste landfills using probabilistic approach	2014 December
3	168		Athukorala, A.A.E. Medawela, S.J.M.S.K.	RU/E/2010/ 12 RU/E/2010/109	Optimization of landfill final cover thickness Based on Gas exchangeable propoerties in Dry Zone of Sri Lanka	2014 December
4	169		Shanthapriya, H.R.D.G. Danushka, W.G.G.	RU/E/2010/161 RU /E /2010/25	Treatment of Landfill Leachate contaminated Ground water by waste matters as combined reactive media in sequential permeable reactive barriers (PRBs)	2014 December
5	170		Shanthapriya, S.J.P. Nayomi, S.D.	RU/E/2010/ 162 RU/E/2010/115	Laboratory-scale column experiments on treating landfill leachate - contaminated groundwater by waste matters as reactive media in permeable reactive barriers (PRBs)	2014 December
6	171		Gunarathna, T.C.J.M. Rathnayaka, R.M.V.K.	RU/E/2010/ 50 RU/E/2010/205	Impacts of boundary wall vertical greenery on the Indoor and outdoor environmental quality in urban residences	2014 December
7	172	.	Kodikara, D.C. Kumara, R.D.H.A.	RU/E/2010/ 78 RU/E/2010 /87	Fluoride removal from ground water by electrolysis system with carbon electrodes	2014 December
8	173		Nagasinghe, I.U. Weerakoon, W.M.L.P	RU/E/2010/ 113 RU/E/2010/199	Evaluation of pollutant washoff process in different urban land uses	2014 December
9	174		Chathuranga, A.K.D. Maduranga, J.	RU/E/2010/ 21 RU/E/2010/102	Evaluation of manmade Environmental polution in Galle City	2015 January
10	175		Arachchi, I.A.K. Anuradha, A.K.E.	RU/E/2010/06 RU/E/2010/05	Engineering, Social and political factors Influencing the waste water disposal of Galle Fort	2014 December
11	176		Madushanka, M.M.G. Saminthaka, S.A.M.	RU/E/2010/105 RU/E/2010/149	Recommendations for mitigation of noise po+A10:G16llution within Galle Fort	2014 December
12	177		Erangi, J.A.I. Weligama, R.R.	RU / E/2010/44 RU/E/2010/178	Development of a Gas (Geographical Information System) model for identifying potential sites for landfilling of solid wastes	2014 December

13	178		Liyanage, T.D.	RU/E/2010/ 96	Traffic Accident analysis and development of accident prediction model	2014 December
14	179		Hettiarachchi, P.T. Kumara, H.M.S.U.	RU/E/2010/ 56 RU/E/2010/83	Identification of floristic composition and successful landscapes in coastal areas with in special attention to roadsides and nearby	2015 January
15	180	.	Chandrasiri, E.P.D.M. Indunil, P.R.G.R.	RU/E/2010/ 20 RU/E/2010 /58	Modeling of transport related emissions in Sri Lanka at individual vehicle levels and national level	2014 December
16	181		Fernando, N.M.N.S.D. Wickramasinghe, S.D.G.S.	RU/E/2010/ 45 RU/E/2010/184	Investigation of some Misconceptions that Leads to Incorrect Evaluation of Cost and Quality of Sri Lankan Construction Industry	2014 December
17	182		Athapaththu, AG.T.S. Pathiraj, D.P.P.N.	RU/E/2010/ 10 RU/E/2010/117	Modeling pedestrian crossing speeds in Sri Lanka	2014 December
18	183		Bopetta, B.V.Y.R. Kumara, W.A.C	RU/E/2010/19 RU/E/2010/89	Social attentiveness in drinking water	2014 October
19	184		Andrahennadi, M.S. Herath, W.G.G.B.	RU/E/2010/ 03 RU/E/2010/55	Modeling noise pollution levels near roads in rural Southern Sri Lanka	2014 December
20	185		Chathuranga, W.A.S. Minirani, B.N.	RU/E / 2010/24 RU/E/2010/110	A review of climate change adaptation allowances in engineering practice	2014 December
21	186		Jeewanee, K.	Ru/E/2010 / 71	Hydrological investigation of Mode-Ela basin using SOBEK software and suggest for suitable river training works	2014 December
22	187		Priyashad, M.W.S. Rajakaruna, N.A.M.	RU/E/2010/128 RU/E/2010/129	Hydro-environmental data analysis in catchment scale: study	2014 December
23	188		Sanjaya, B.G.V. Srilal, W.M.S.	RU/E/2010/154 RU/E/2010/165	Optimization of NERD Slab	2014 December
24	189	.	Sanjeewa, H.V.A.N. Wijerathna, K.K.K.C.	RU/E/2010/156 RU/E/2010 /187	Effect of slab thickness and fine aggregate type on the plastic shrinkage cracking of concrete	2014 December
25	190		Sandamali, W.K.N. Wijesena, H.P.	RU/E/2010/151 RU/E/2010/188	Remaining Buckling Strength Prediction of Corroded Steel Bridge Member	2014 December
26	191		Nissanka, N.A.A.C. Priyankara, R.L.S.	RU/E/2010/ 116 RU/E/2010/127	Green Wall Technology for strengthening masonry structures in low seismic region	2015 January
27	192		Jayasundara, W.K.N.I. Kumara, R.L.S.	RU/E/2010/66 RU/E/2010/88	Residual strength capacity prediction of Corroded Steel Plates under Cyclic Loading	2014 December
28	193		Abeygunawarddana, N.T. Azam, M.N.M.	RU/E/2010/ 01 RU/E/2010/13	Development of FEM model to investigate performance of Un-Reinforced Masonry (URM) & Retrofited walls against Seismic Activities	2014 December

29	194		Ravishanka, B.W.C. Shanaka, M.M	RU/E/2010/142 RU/E/2010/160	Development of Bridge Management Tool (Phase 2: In-cooperating deterioration prediction model)	2014 December
30	195		Priyadarshani, W.A.P. Priatheep, P.	RU/E/2010/125 RU/E/2010/207	Shear Behaviour of Lipped channel Beams with non circular web openings	2014 December
31	196		Rajapakshe, D.W. Priyankara, M.H.D.	RU/E/2010/130 RU/E/2010/126	Shear behavior of cold-formed steel Z sections with circular web opening	2014 December
32	197		Jayawardhana, W.A.P.D. Jayawardhana, B.M.B.H.	RU/E/2010/ 68 RU/E/2010/69	Investigation on Techniques to reduce damages due vibration induced on Construction Sites	2015 January
33	198	.	Pathirana, H.P.C.P. Ranathunga, S.P.	RU/E/2010/118 RU/E/2010 /134	Exposing level of noise & vibration among construction workers and their health effects	2014 December
34	199		Anjalee, W.A.V. Kandage, K.K.S.	RU/E/2010/ 04 RU/E/2010/ 74	The Scale effect on the mechanical properties of cement block masonry	2014 December
35	200		Chathuranga, W.G. De Silva, N.C.	RU/E/2010/186 RU /E/2010/36	Optimization of Bone char to Remove Fluoride in Ground water	2014 December
36	201		Rangana, K.L.A.	RU/E/2010/136	Setting up sacramento Rainfall Runoff Model for upper Gin River Basin	2014 December
37	202		Madushanka, L.W.S. Pradeep, M.L.C.	RU/E/2010/104 RU/E/2010/120	Influence of shrinkage and thermal characteristics on the Defection and Cracking of Reinforced Concrete	2014 December
38	203		Imbulana, I.D.K.C. Jayasinghe, J.M.M.J.	RU/E/2010/57 RU/E/2010/65	Influence of mixing variables on Bleeding water and the Limitation of Environmental Conditions Based Assessment for Plastic Shrinkage	2014 December
39	204		Leelarathna, N.W.K.	RU/E/2010/ 94	Optimizing the use of NaHCO ₃ to Eliminate Efflorescence and Mitigate adverse Implication of Its use in Cement and concrete products	2014 December