

Department of Civil and Environmental Engineering
Undergraduate Research Project Reports - before 2011

No.	Acc No	Date	Student Name	Student No.	Title	Submit Date
1	1	19.09.2008	Vadiva V. Senavirathne S.D.		Numerical Modeling of Deflection of Plates	2003 December
2	2		Kumara A.M.S.L. Gunawardhana C.P. Abeyrathna A.M.C.U.		Suitability of Gravel Available in the Southern Region for Low Volume Rural Road Construction	2003 December
3	3		Chamila C.A.M.R.A. Sevaraj T. Rajapakshe R.B.M.M.		Study on Rainfall - Runoff Pattern in Upper Mahaweli Catchment	2003 December
4	4		Manjula P.G.W.P. Sowis W.K.J.R. Vithanage G.W.		Infiltration facilities as a Solution for Urban flash Floods	2003 December
5	5		Nishantha M.M. Jayasinghe J.M.S. Pieris K.K.S.		Development of Integrated Solid Waste Management Plan for Weligama Urban Council	2003 December
6	6		Waidyasuriya N.M. Jansz N.Y. Dilroy P.M.		Study of Wave Climate of Southern Coast of Sri Lanka	2003 December
7	7		Sugandika T.A.N. Sivachanthran M. Lekha G.G.S.		Assesment of present Level of floods in the Gin Gaga Basin, Sri Lanka	2003 December
8	8		Shafip S.A. Firnaz Z.A.A. Surendrakumar T.		Accident Analysis to Identify Counter Measures	2003 December
9	9		Jayarathne G.W.R.S. Kamburapola A.V. Jayathissa S.P.A.		Urban Transportation Planning in Galle	2003 December

10	10	Asgiriya S.P.S. Ruwan B.H.A.D. Aravinda A.L.		Development of a Computer Program for vertical Drain Design in Ground Improvement Project	2003 December
11	11	Kumari, M.B.I.T. Rupasinghe, R.A. Siriwardana, D.H.S.D.A.	RU / E / 2001 /52 RU / E /2001 /77 RU / E / 2001 /84	Evaluation of Three-Wheel's Operational Characteristics in small cities in Sri Lanka	2005 February
12	12	Perera, W.M.W. Priyantha, T.H.S. Rathnayake, R.M.A.	RU / E / 2001 /64 RU / E /2001 /67 RU / E / 2001 /74	Analysis of soil moisture profiles and specific yield characteristics	2005 January
13	13	Nishreen, A.H.M. Zaheer, A.M. Ahameth M.I.S. Musideen, A.	RU / E / 2001 /59 RU / E /2001 /98 RU / E / 2001 /01 RU / E / 2001 / 54	Development of a Computer based tool for Water management : a case study at the Left Bank of Galoya Multi Purpose Project	2005 March
14	14	Jayesha G.K.M.C. Chaminda V.G.N. Chamara W.A.S.	RU / E / 2001 /37 RU / E /2000 /10 RU / E / 2001 /11	Analysis of Mode Choice Behavior for Intercity Travel	2005 February
15	15	Kumara, H.M.T.N. Kumara, W.P.S.S. Weerakoon W.M.S.	RU / E / 2001 /45 RU / E /2001 /60 RU / E / 2001 /93	An Assessment of Fishery Harbours in Southern Coast	2005 February
16	16	kularathna, R.M. Malkawita, M.A.L.M. Priyadarshana, P.B.E.	RU / E / 2001 /43 RU / E /2000 /57 RU / E / 2001 /66	A study on Improvement of Gravel available in Southern area for Construction of Rural Roads	2005 February
17	17	Rajakumar, G. Akeel, J.A. Brammananda, T.	RU / E / 2001 /70 RU / E /2000 /03 RU / E / 2001 /09	Study on safety Level at Construction Sites in Sri Lanka	2005 February
18	18	Kethuka, H.K.R.S. Somasiri, D.B.D.S. Vipulasena, G.D.	RU / E / 2001 /42 RU / E /2000 /86 RU / E / 2001 /01	Identifying Operational Constrains at Bandaranaike International Airport	2005 February
19	19	Pathirana, P.A.L. Dahanayaka, P.I.S. Buddhika, H.P.L.D.	RU / E / 2001 /62 RU / E /2001 /16 RU / E / 2001 /10	Evaluation of Water Quality Parameters at Gin Ganga Intake	2005 March
20	20	Fernando, W.K.I. Kumara, S.S. Wickramanayake, M.D.	RU / E / 2001 /26 RU / E /2001 /48 RU / E / 2001 /95	GIS Based Landslide Prone Area Mapping : a case study at Diyadawa, Deniyaya	2005 March

21	21	Kumara, P.A.R.S. Perera, P.P.R. Sampath, S.K.U.	RU / E / 2001 /46 RU / E /2001 /63 RU / E / 2001 /81	Calibration of Soil Hydraulic Parameters and Analysis of One-Dimensional Soil Moisture Behaviour (using hydrus-1d)	2005 January
22	22	Niyas, A.L. Ekanayake D.M.A.I. Gunawardana, P.D.H.D.	RU / E / 2001 /60 RU / E /2001 /25 RU / E / 2001 /31	Optimization of OperationalCriteria for Municipal Solid Waste Compost plant in Hambanthota	2005 January
23	23	Karunya, R. Mayura, S. Subaharan, S. Viharan, P.	RU / E / 2002 /30 RU / E /2002 /44 RU / E / 2002 /82 RU / E / 2001 /90	Evaluation of Water Quality Parameters at Gin Ganga & Nilwala Ganga Intakes	2006 March
24	24	Abeyrathna, P.K. Subhashini W.H.C. Thuduwege, A.P.K. Wickramage, W.S.R.R.	RU / E / 2002 /01 RU / E /2002 /83 RU / E / 2002 /92 RU / E / 2002 /97	Identifying Methodologies to Recover Infrastructure Facilities Affected by Tsunami in Sri Lanka	2006 March
25	25	Dayawansha, R.D.D. Kumara H.B.N.S. Munasinghe, K.J.S. Weerasekara, W.A.S.K.	RU / E / 2002 /10 RU / E /2002 /33 RU / E / 2002 /47 RU / E / 2002 /96	Size Dependence of Water Absorption Desorption Characteristics of Concrete	2006 March
26	26	Arunashanthi, G.A.D. Inoka, R. Samanthi, W.D. Suraweera, S.A.M.P.	RU / E / 2002 /02 RU / E /2002 /23 RU / E / 2002 /71 RU / E / 2002 /85	Optimization of a Compost Plant for Municipal Solid waste Management in Weligama Urban Council	2006 march
27	27	Dilrukshi, H.M.R.S. Pathirana, D.C. Sanjeewa, P.L.A.L. Senavirathna, U.J.S.	RU / E / 2002 /14 RU / E /2002 /51 RU / E / 2002 /74 RU / E / 2002 /78	Stability an Analysis on Watawala Land Slide under Different Conditions; An Application of Slope/W Software	2006 March
28	28	Karunanayake, K.M.M.P.B. Rathnayake, N.S. Thirunavuckarasu, S. Wijesinghe, T.G.D.H.	RU / E / 2002 /28 RU / E /2002 /65 RU / E / 2002 /91 RU / E / 2002 /99	Effect of Moisture Condition on Flexural Strength of Different Sized Beams	2006 March

29	29		Menike, T.M.C.H. Pushpakumara, P.K.P. Rathnayake, R.M.M.R. Sureshkumara, G.	RU / E / 2002 /45 RU / E /2002 /54 RU / E / 2002 /64 RU / E / 2002 /86	Development of an Expert System for Bridge Management in Sri Lanka	2006 March
30	30		Jayanthiran, A. Ranasinghe, D.P.L. Weerakkodi, C.K. Wijesena W.M.N.	RU / E / 2002 /26 RU / E /2002 /57 RU / E / 2002 /97 RU / E / 2002 /98	Preparing of Tsunami Hazard map and Evacuation Plan	2006 March
31	31		Bandara, D.M.C.S.D. Bandusena, P.S.P. Kapugamage, C.L. Rajas, H.M.	RU / E / 2002 /26 RU / E /2002 /57 RU / E / 2002 /97 RU / E / 2002 /98	Methodologies to improve Quality and production Capacity of Concrete in Sri Lanka	2006 March
32	32		Aravinthan, S. Mayuran, T. Theebendran, V.	RU / E / 2003 /03 RU / E /2003 /55 RU / E / 2003 /86	Modeling Accident Fatalities in Asia Developing Countries	2007 April
33	33		Withanage, K.R. Pushparajan, T. De Silva, B.G.N.G.	RU / E / 2003 /93 RU / E /2003 /67 RU / E / 2003 /10	Process Control, Monitoring and Optimization of the Municipal Solid Waste Composting process at the Weligama Urban Council.	2007 April
34	34		Fahir, A.M.M. Hemakanth, S. Senthooran G.	RU / E / 2003 /17 RU / E /2003 /26 RU / E / 2003 /81	Development of an Expert system for Bridge Management in Sri Lanka System - 11	2007 April
35	35		Kodithuwakku, K.K.W. Wijerathna, P.W.P.D.	RU / E / 2003 /45 RU / E /2003 /92	Mitigation of Earthquake Risk of Sri Lanka	2007 April
36	36		Gamage, C.K. Kankanamge, M.S. Mohotti, A.C.W.	RU / E / 2003 /21 RU / E /2003 /38 RU / E / 2003 /56	Application of Green Roof Concept to Sri Lanka	2007 April
37	37		Dissanayaka, D.M.G.C. Jayalath, H.T.A.K. Rajeskanna, A.	RU / E / 2003 /15 RU / E /2003 /31 RU / E / 2003 /68	Environment and Social Impacts Associated with a Tsunami Housing Scheme at the Waththa Weligama	2007 April

38	38	Chinthanie, R.P.D. Kumara, B.I.V. Kumara K.S.	RU / E / 2003 /07 RU / E /2003 /46 RU / E / 2003 /49	Design of Light Steel Structures using Cold-famed Steel Sections	2007 April
39	39	Liyanage, N.D.M. Jayamanna, J.M.D.M.P. Ranasinghe, R.A.A.S.K.	RU / E / 2003 /51 RU / E /2003 /32 RU / E / 2003 /70	Suitability of Poor Quality Soils Improved by Mixing with Quarry dust to be used in Geotechnical Applications	2007 april
40	40	Eranga, N.G. Niroshinie, M.A.C. Priyanga, A.P.N.	RU /E / 2003 /16 RU / E /2003 /57 RU / E / 2003 /65	Tsunami Propagation Modeling around Galle City Area	2007 April
41	41	Kumara, G.H.A.J.J. Dilrukshi, A.L.A. Subasinghe, N.N.	RU /E / 2003 /47 RU / E /2003 /12 RU / E / 2003 /84	Study on Advantages of using Coir dust in vertical Drains for the Improvement of Staff Clay	2007 April
42	42	Provincial Planning Secretariat		An Analysis on Garbage Disposal in the Southern Province	2001
43	43	Nawarathna, N.M.C.K., Pradeep T.L. Priyalal, H.G.S.	RU /E / 2005 /50 RU / E /2005 /63 RU / E / 2003 /68	Evaluation of A Bridge management System for Reinforced Concrete and Prestressed Concrete Bridges.	2009 May
44	44	Liyanage, T.U.L. Pradeep, G.S. Mendis, A.A.C.	RU /E / 2005 /44 RU / E /2005 /48 RU / E / 2005 /62	Development of Flood Simulation Model for Nilwala River Basin	2009 May
45	45	Ramasinghe, J.R. Nilmini, R.M.N. Kumara, H.G.D.I.	RU /E / 2005 /72 RU / E /2005 /52 RU / E / 2004 /51	Prediction of cut Slope Failures due to Heavy Rainfall in Southern Province	2009 May
46	46	Basnayake, G.Y.A.N. Besil, W.G. Chandrasena, K.K.G.I. Indrajith, B.W.D.C.	RU /E / 2005 /06 RU / E /2005 /07 RU / E / 2004 /09 Ru / E / 2005 / 26	A Study on cost Recovery and Development of A Fares Structure for the three wheelers in the Galle	2009 may
47	47	Sakura, G.B. Kumara, W.M.P. Ishara, H.R.A.D.	RU /E / 2005 /76 RU / E /2005 /39 RU / E / 2004 /28	Development of Coconut Coir frp extrusion Sections and sheets As Alternatives to the Timber roofing systems and roof Claddings.	2009 May

48	48		Nishantha, K.M. Pathirana, D.K. Sugathapala, H.E. Deshapriya, R.D.A.	RU / E / 2005 /54 RU / E /2005 /55 RU / E / 2004 /85 Ru / E / 2005 / 18	Improving Energy Efficiency of School Transport by Model Changes A Case study in Galle	2009 May
49	49		Edirisooriya, D.D.S. Kumara, A.C.R. Amadoru, A.I.G.	RU / E / 2005 /22 RU / E /2005 /40 RU / E / 2005 /02	Development of flood Inundation Maps for flood Disaster mitigation and management in Tawalama. D.S. Division	2009 May
50	50		Peris, D.S.K. Perera, W.A.C.P. Rupasinghe, K.G.M.P.	RU / E / 2005 /57 RU / E /2005 /58 RU / E / 2005 /75	Improvement of Engineering Properties of Dredged material by using Crushed Glass	2009 May
51	51		Wasantha, P.L.P. Kandage, J.D. Jayasooriya, J.P.B.	RU / E / 2005 /91 RU / E /2005 /34 RU / E / 2005 /31	Investigating optimal operative levels of Indoor Environment in Buildings	2009 May
52	52		Wasanthi, N.M.S. Chinthaka, T.D.K. Indunil, W,G,S.	RU / E / 2005 /92 RU / E /2005 /11 RU / E / 2005 /27	Development of a Numerical Model for Nitrogen Dynamics in a Soil Column with reclaimed Water	2009 May
53	53		Abesekara, J.J. Nishadi, K.P.A. Sanjeewa, L.V.D.	RU / E / 2005 /01 RU / E /2005 /53 RU / E / 2005 /79	Construction and monitoring of a Model building with a Green Roof	2009 May
54	54		Lakmal, W.N. Chinthaka, H.W.N. Shirantha, W.A.A.	RU / E / 2005 / 42 RU / E /2005 /10 RU / E / 2005 /82	Estimating Evapotranspiration in Hapugala Area- Comparison of Different Methods	2009 May
55	55		De Silva, K.H.P.P. Senadheera, E.L. Jayasekara, J.M.M.	RU / E / 2005 / 16 RU / E /2005 /80 RU / E / 2005 /34	Application of high strength Cold-Formed steel hollow sections in roof trusses	2009 May
56	56		Prasadika, P.G.T. Sujeevan, T. Priyankara, W.B.M. Nanayakkara, H.N.Y.C.	RU / E / 2004(B) /65 RU / E /2004(A) /99 RU / E / 2004(B)/70 Ru / E / 2005(B)/ 57	Current Status of Steel Bridges Along the Coastal Belt in Sri Lanka	2008 June

57	57		Jeewani, M.G.D. Kamalraj, P. Karunarathna, M.H.D.P. Dharmasena, D.L.I.V.	RU / E / 2004(A)/43 RU / E / 2004(A)/44 RU / E / 2004(A)/45 RU / E / 2004(B)/ 12	Reviw on Existing methods of masonry Construction Against Earthquake and Their Applications to Sri Lanka	2008 May
58	58		Khan, M.I.M.R. Munas, M.M.M. Shahabdeen, M. Prabaharan, M.	RU / E / 2004(B) /43 RU / E / 2004(B) /56 RU / E / 2004(A)/89 RU / E / 2003 / 62	Damages to existing Masonry Structures Due to Vibration Induced by Construvtion Activites	2008 May
59	59		Manike, J.M.N.U.J. Gamage, J.K.S. chandani, P.A.M. Edirisinghe, D.D.	RU / E / 2004(A)/68 RU / E / 2004(A)/29 RU / E / 2004(B)/09 RU / E / 2004(A)/26	Constructability and Performance of Continuous Masonary	2008 May
60	60		Jayasena, G.G.N.P. Perera, W.C. Perera, L.B.S. De Zoysa, G.G.P.K.	RU / E / 2004(A)/41 RU / E / 2004(A)/76 RU / E / 2004(A)/75 RU / E / 2004(A)/ 22	Impacts of Potential Sea level Rise Due to Global Warming	2008 May
61	61		Kaushalya, W.L.K. Asanka, G.A.R. Sanseevarajan, C. kumara, B.M.S.H.	RU / E / 2004(A)/47 RU / E / 2004(A)/08 RU / E / 2004(A)/93 RU / E / 2004(A)/ 50	Selection of landfill Liner Material	2008 May
62	62		Nadeesha, A.M.K.N. Thileepan, T. Anushanth, K. kumara, W.A.P.S.P.	RU / E / 2004(A)/70 RU / E / 2004(A)/100 RU / E / 2004(A)/06 RU / E / 2004(A)/ 55	Use of Crushed Waste polythene to Improve Engineering Properties of Soft Solis to be used in Road Construction.	2008 May
63	63		Dayarathna, J.A.R. Sadiq, S.A. Wijesuriya, W.R.L.K.	RU / E / 2004(A) /19 RU / E / 2004(A) /88 RU / E / 2004(A)/106	Green Roof and Urban Environment	2008 May
64	64		Abeygoonasekara, I.L. Bandara, R.P.M.T.A.S. Chandrasena, B.D.K. Dissanayake, D.M.I.U.B.	RU / E / 2004(A)/01 RU / E / 2004 (A) /11 RU / E / 2004(A)/15 RU / E / 2002 /15	An Investigation Study on Motorcycle Accidents in Gall District	2008 May

65	65		Gamage, G.H.M.I. Lasitha, W.H. Ransara, N.D. Wanniarachchi, K.R.	RU / E / 2004(A)/28 RU / E /2004(A)/62 RU / E / 2004(A)/85 RU / E/2004(A)/104	Building A Data Base for Gin-Ganga Basin	2008 May
66	66		Pathirana, W.P.I.B. Prasanna, R.M.M. Senevirathna, K.D.C.K. Weeraratne, N	RU / E / 2004(B)/63 RU / E /2004(B)/67 RU / E / 2004(B)/87 RU / E/2004(B)/94	Structural Aspects of Post Tsunami Constructions (Building) Against natural Disasters	2008 May
67	67		Mallikarachchi, T.D. Kumara, S.S. Lakshan, G.A.R. Udayanga, G.P.S.	RU / E / 2004(B)/55 RU / E /2004(B)/49 RU / E / 2004(B)/54 RU / E/2004(B)/91	Opt for Optimal Cold-formed steel Purlin section with Improved structural Performance	2008 May
68	68		De Silva, S.H.Y.I. Pushpakumara, R.K.S. Rajapaksha, R.W.C.N. Sathyadasan, A.	RU / E / 2004(B)/16 RU / E /2004(B)/72 RU / E / 2004(B)/74 RU / E/2004(B)/ 86	Viability of quarry Dust to Replace River Sand as fine Aggregate of Concrete	2008 May
69	69		Sharmila, K Lakmali, A.A.C. Vipulaguna, P.M.M. Kumara, K.H.N.S.	RU / E / 2004(B)/88 RU / E /2004(B)/53 RU / E/2004(B)/100 RU / E/ 2004(B)/ 47	Construction of a Lysimeter and use of Lysimeter Mesurments for Estimation of the Evapotran Spiration	2008 May
70	70		Yapa, S.T.A.J. Jayasinghe, S.N. Wijesooriya, R.M.S.D. Wickramasinghe, W.R.M.B.E.	RU / E / 2004(B)/88 RU / E /2004(B)/53 RU / E/2004(B)/100 RU / E/ 2004(B)/ 47	Utilization of Quarry Dust to Improve Engineering Properties of Soils in Higway Construction	2008 May
71	71		Mujahid, A.H.M. Pirapakaran, T. Vigneseekara D.K.W. Gunasekara, D.K.W.	RU / E / 2004(A)/69 RU / E /2004(A)/77 RU / E/2004(A)/102 RU / E/ 2004(B)/31	Identification of Native Vegetation for Erosion Control in Southern Province	2008 May
72	72		Nishanthi, w. Pinnapola, H.P.G.B. Jayamini, K.D.K. Jayarathna, H.S.U.	RU / E / 2004(B)/59 RU / E /2004(B)/64 RU / E/2004(B)/37 RU / E/ 2004(B)/ 38	Effect of the Duration of Curing on Concrete	2008 May