Project titles E18

Project Number (C/18/)	Supervisor's Name	Project title	Student						
Water & Environmental									
C/18/01		Three-dimensional modelling of flow in a river confluence	E/18/053						
C/18/02	Prof. W.M.S.B. Weerakoon	Three-dimensional moderning of now in a river confidence	E/18/074						
		Two-dimensional flow computation in a curved bend with lateral inflow	E/18/042						
0,10,02		and training levee	E/18/043						
C/18/03		Effect of bulking agent in drying screw-press dewatered wastewater sludge	E/18/194						
	Prof. G.B.B. Herath	Co Supervisor Dr. GMPR Weerakoon	E/18/284						
C/18/04		AnMBR for industrial effluent treatment	E/18/314						
		Co Supervisor Dr. D S B Navaratne (ITCGU)	E/18/401						
C/18/05		Reduce Inhibitions during recovery of phosphorus and nitrogen from	E/18/261						
		anaerobically treated wastewater	E/18/067						
C/18/06	Prof. K.B.S.N. Jinadasa	Environmental Management in Industrial Parks	E/18/328						
0,10,00			E/18/336						
C/18/07		Water Quality Management in Urban Lakes	E/18/197						
0/10/07			E/18/335						
C/18/08		Computational Fluid Dynamic Modelling of Adsorption Columns for	E/18/380						
0,10,00		Contaminant removal from water.	E/18/274						
C/18/09	Prof (Ms). K.G.N.	Microplastics removal using membrane-assisted electrocoagulation	E/18/279						
0/10/07	Nanayakkara	technology	E/18/040						
C/18/10		Machine learning for predicting coagulant dose in drinking water plants	E/18/175						
0/10/10			E/18/209						
C/18/11		Evaluation of the impact on water quality of Mid-canal after the	E/18/343						
0/10/11		implementation of greater Kandy sewerage project	E/18/307						
C/18/12	Dr (Ms). G.M.P.R.	Measurement of Pharmaceuticals and Personal Care Products (PPCPs) in	E/18/286						
0/10/12	Weerakoon	hospital wastewaters. (Co supervisor Prof. GBB Herath)	E/18/265						
C/18/13		Vertical Subsurface Flow (VSSF) constructed wetlands for wastewater	E/18/410						
C/10/15		treatment: Mitigation of clogging effect	E/18/192						
C/18/14		Investigating the accumulation of microplastics and heavy metals on urban	E/18/348						
C/10/14		paved surfaces	E/18/015						
C/18/15	Dr (Ms). W.C.T.K.	Assessment of the drainage systems performance using stormwater	E/18/008						
C/10/15	Gunawardana	management model (KMC collaboration)	E/18/272						
C/18/16		Assessment of performance of Pre-filter media in water treatment	E/18/252						
C/10/10		Assessment of performance of tre-finer media in water treatment	E/18/337						
C/18/17		Eco-Friendly Cement Mortar with Water Treatment Plant Sludge	E/18/084						
C/10/17	Dr. R.M.L.D.		E/18/355						
C/18/18	Ratnayake	Computer application to improve the performances Wastewater Treatment	E/18/082						
C/10/10		Plants	E/18/047						
C/18/19	Dr. P. Neluwala	Dam Breach Simulations for Emergency Proposedness in Mi Ore Desig	E/18/331						
		Dam Breach Simulations for Emergency Preparedness in Mi Oya Basin (Co- supervisor - Mr. Daham Dias)	E/18/351						
			E/18/342						
C/18/20		Statistical downscaling of CMIP6 climate projections to Mi Oya basin	E/18/069						
			E/18/333						

C/18/21	Dr (Ms). Gouri De	Accuracy assessment of satellite and reanalysis rainfall estimates compared to in situ observations in Mii-Oya river basin, Sri Lanka	E/18/411
0/10/22	Silva	Performance evaluation of HEC-HMS and SWAT models for long term	E/18/051
C/18/22		runoff simulation in Kelani river basin, Sri Lanka	E/18/076
0/10/02		Modelling a floating type FAD using CFD approach	E/18/213
C/18/23			E/18/374
C/18/24	1	Impact of coastal structures on the Tsunami Bore - in land structure	E/18/144
C/18/24		interactions- An experimental investigation	E/18/111
		Geotechnical & Transportation	
C/18/25	Dr. A.G.H.J.	Optimum number of three wheelers in a three Wheeler park	E/18/364
C/16/23			E/18/346
C/18/26	Edirisinghe	A study on Safety and Convenience Issues at Bus Halts	E/18/309
C/18/20			E/18/137
0/10/07		Socio-economic and environmental implications of an employer-arranged	E/18/174
C/18/27		work transport service using chartered buses - a case study	E/18/193
			E/18/378
C/18/28	Dr. I.M.S. Sathyaprasad	Investigation of the education-trip characteristics of residential students of Peradeniya University and the feasibility of a shuttle transport system	E/18/376
		Investigation of the education-trip characteristics of non-residential	E/18/241
C/18/29		students of Peradeniya University and the feasibility of a chartered bus transport system	E/18/302
		Compressibility characteristics of stabilised expansive soil (Co- supervisor -	E/18/244
C/18/30	Dr. L.C.	Dr.M.C.M.Nasvi)	E/18/240
	Kurukulasuriya	,	E/18/166
C/18/31	5	Anisotropic swelling behavior of expansive soils	E/18/338
			E/18/400
C/18/32	Dr. W.M.V.S.K.	Analyzing the cost-effectiveness of the Bus Service in Sri Lanka (Co- supervisors - Prof. Wasantha Athukorala and Mr. Dhanushka Herath)	E/18/414
	Wickramasinghe	Evaluate the imposed accident risk from Right-Turn vehicles entering two-	E/18/393
C/18/33		way two-lane divided highways	E/18/393 E/18/312
		Utilization of quarry dust to improve the shear strength characteristics of a	E/18/223
C/18/34	Dr (Ms). D. de S.	residual soil	E/18/223 E/18/408
	Udakara		E/18/275
C/18/35	Uuakala	Shear strength of Sand Treated with Quarry dust and Lime	E/18/228
		Utilization of OPC and Geopolymers in Expansive Soil for Flexible	E/18/228 E/18/158
C/18/36		Pavement Subgrade Design (Co- supervisor - Dr.S.K.Navaratnarajah)	E/18/031
		Prediction of Compressive Strength of Geopolymer-based Borehole Well	E/18/031 E/18/143
C/18/37	Dr. M.C.M. Nasvi	Cement using Artificial Neural Networks	E/18/143 E/18/108
		Life Cycle Assessment of One-Part and Two-Part Geopolymer Stabilized	
C/18/38		Expansive Road Subgrade: A Case Study	E/18/093 E/18/094
		Application of Artificial Neural network to predict the stability of	
C/18/39	Dr.	weathered rock masses	E/18/184
		Use of rock mass classification and limit equilibrium methods to assess the	E/18/389
C/18/40		=	E/18/237
		stability of highly weathered rock masses	E/18/110
C/18/41	Dr. S.K.Navaratnarajah	Influence of particle gradation on shear behavior of railway ballast	E/18/321
			E/18/315
C/18/42		Evaluation of the effect of particle shape on shear behaviour of large size	E/18/019
		granular materials using Artificial Neural Networks (ANN)	E/18/020

C/18/43	Dr. W.R.S.S.	Travel behavior changes under the fuel price fluctuations and possible future scenarios	E/18/291 E/18/038
C/18/44	Dharmarathna	Effectiveness of the bus route system in Kandy district (Co- supervisors - Dr. A.G.H.J. Edirisinghe and Mr. Dhanushka Herath)	E/18/121 E/18/207
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		Nonlinear analysis of reinforced concrete frame structures using	E/18/226
C/18/45	Prof. K. K. Wijesundara	displacement based fiber beam-column elements (Co- Supervisor -	L/10/220
C/18/45		Professor Tiziana Rossetto)	E/18/371
		Effect of kinematic constraints in prediction of response of shear critical	E/18/347
		reinforced concrete elements	E/18/219
		Direct displacement-based seismic design of steel eccentrically braced	E/18/369
C/18/47		frame structures	E/18/064
		Mechanical and physical properties of natural fibers used in composites	E/18/187
C/18/48		(Co- Supervisor - Prof. R.M.G. Rajapakshe)	E/18/208
~ / 0 / 10	-	Mechanical behavior of natural fiber reinforced polymer composites (Co-	E/18/386
C/18/49	Dr. K.R.B. Herath	Supervisor - Prof. R.M.G. Rajapakshe)	E/18/298
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C/18/52		Behaviour of beams made of selected lattice structured material II	E/18/356
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C/10/55	Dr. P.B.G.	Factors Contributing to Construction Time Occurrence in Sei Logla	E/18/235
C/18/55	Dissanayake	Factors Contributing to Construction Time Overruns in Sri Lanka	E/18/157
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-	4	beams with flexible shear connectors	E/18/254
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