

Program Schedule for ICCESD 2018

Reporting, Collection of Conference Kits and Tour Tickets:

- February 08, 2018 Thursday Time: 15:00~18:00
- February 09, 2018 Friday Time: 08:45~09:45

Venue: Civil Engineering Building, KUET

Day 1: February 09, 2018 (Friday)

Time	Venue	Events
10:00-10:45	SWC Building	Inaugural Ceremony of ICCESD 2018
10:45-11:10	SWC Building	Refreshment
11:10-12:15	SWC Building	Keynote Session: Keynote Paper-1: "Advancing safer road infrastructure in Bangladesh" - Professor Dr. Md. Mazharul Hoque, Bangladesh Keynote Paper-2: "Fire safety engineering and sustainable development" - Dr. Khalid A.M. Moinuddin, Australia
12:15-14:45	Mosque / CE Building	Friday Prayer & Lunch Break
14:45-15:57	CE Building	Parallel Technical Sessions (1 st , 2 nd & 3 rd)
15:57-16:30	CE Building	Coffee Break
16:30-18:06	CE Building	Parallel Technical Sessions (4 th , 5 th & 6 th)

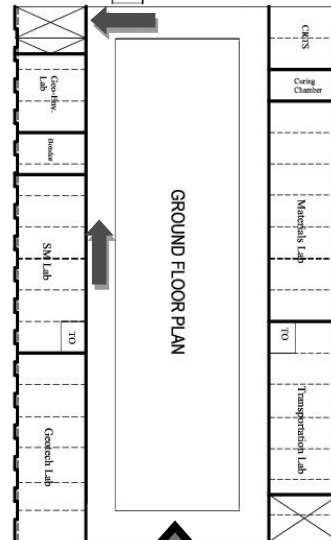
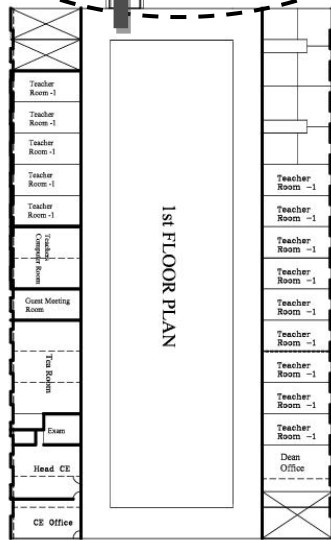
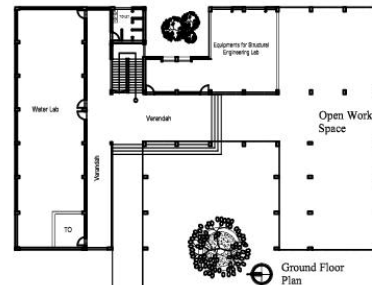
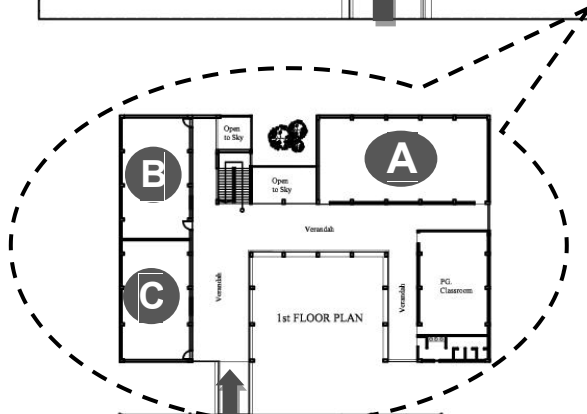
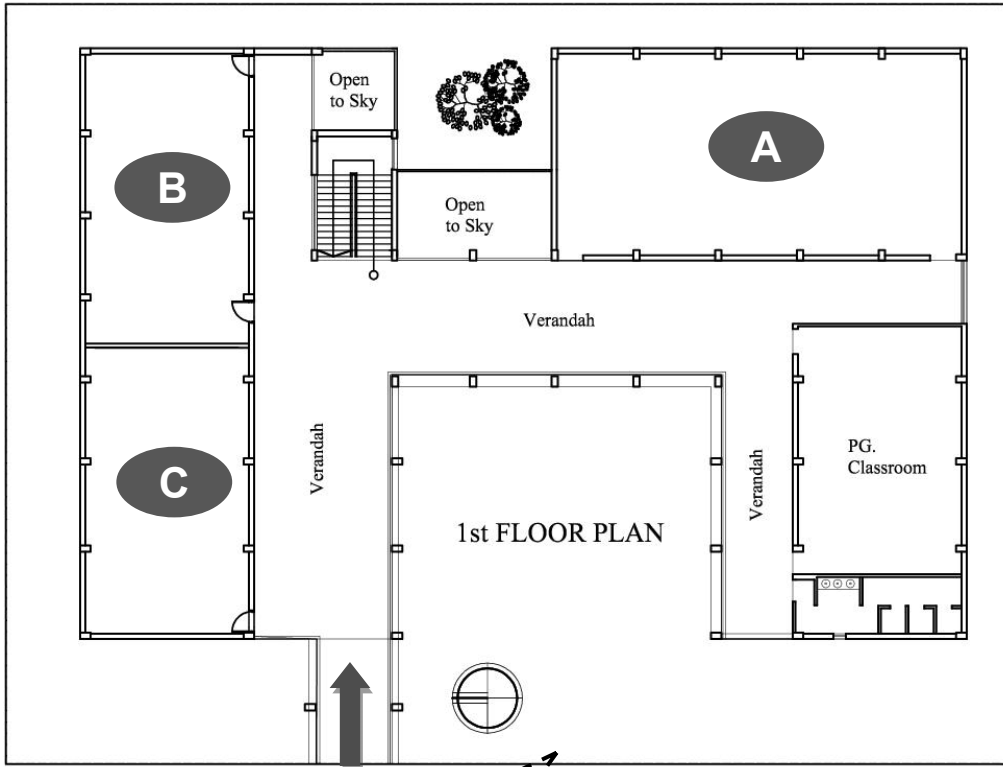
Day 2: February 10, 2018 (Saturday)

Time	Venue	Events
09:00-10:36	CE Building	Parallel Technical Sessions (7 th , 8 th & 9 th)
10:36-11:15	CE Building	Coffee Break
11:15-12:51	CE Building	Parallel Technical Sessions (10 th , 11 th & 12 th)
12:51-14:30	CE Building	Lunch Break
14:30-16:06	CE Building	Parallel Technical Sessions (13 th , 14 th & 15 th)
16:06-16:30	CE Building	Coffee Break
16:30-18:06	CE Building	Parallel Technical Sessions (16 th , 17 th & 18 th)
19:00-21:00	Teachers' Club Building	Closing Ceremony of ICCESD 2018 & Conference Dinner

Day 3: February 11, 2018 (Sunday)

Time	Reporting	Events
07:00-19:00	06:45 at CE Building	Conference Tour

Technical Session Venue



Civil Engineering Building

Entrance



CONFERENCE PROGRAM

DAY-1: February 09, 2018, Friday

1st Technical Session		Environmental Engineering-I		Venue: Seminar Room A	
Session Chair: Prof. Dr. Niamul Bari, RUET				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:45~14:57	4128	Development of copper oxide based solid state pH sensor	75	Sanzida M. Toma, Joyanta Mistry, Mohammad A. Yousuf and Mamun Jamal	
14:57~15:09	4188	An assessment on water supply, sanitation and waste management in slums of Dhaka city	79	Sk. Md. Imdadul Islam and Sanjoy Das	
15:09~15:21	4203	Environmental health impacts assessment due to brick kilns: a case study on Badarganj upazila under Rangpur district in Bangladesh	81	Sahajahan Ali	
15:21~15:33	4344	Banana rachis charcoal to remove chromium from tannery wastewater	99	Sofia Payel, Mrinmoyee Sarkar and Md. Abul Hashem	
15:33~15:45	4488	Determination of noise level at Rajshahi medical college hospital and nearby road	111	Md. Niamul Bari, Noosrat Rashid and Samia Sultana	
15:45~15:57	5202	Application of multivariate and geostatistical approaches in analysis and assessment of heavy metal sources in soil of waste disposal site at Khulna	155	Sanjida Khair and Islam M. Rafizul	
15:57~16:30	Coffee Break				

2nd Technical Session		Transportation Engineering-I		Venue: Seminar Room B	
Session Chair: Prof. Dr. Hasib Mohammad Ahsan, BUET				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:45~14:57	4158	Analysis of accidents trend due to driving problems in Bangladesh	235	Farzana Afsari and Faysal Ibna Rahman	
14:57~15:09	4179	Applicability of low density waste polythene (LDPE) with bitumen in terms of road construction.	237	Md. Mahadi Hashan Shakil	
15:09~15:21	4317	Empirical analysis to explore the deficiencies in public transport system: a case study on Gazipur	239	Dilip Goswami, Rajib Banik and Shafiqul Islam	
15:21~15:33	4320	Application of fuzzy inference system to explore the bus level of service of Gazipur city	241	Dilip Goswami, Md. Ashikuzzaman, Rajib Banik and Prosanto Kumar Das	
15:33~15:45	4326	Application of numerical rating approach for pedestrian service quality prediction of Dhaka	243	Dilip Goswami, Prosanto Kumar Das, Rajib Banik and Md. Ashikuzzaman	
15:45~15:57	4383	Effect of road infrastructures on casualty occurrence in Bangladesh	245	Md. Asif Hasan Anik and Soumik Nafis Sadeek	
15:57~16:30	Coffee Break				

3rd Technical Session		Water Resources Engineering-I		Venue: Seminar Room C	
Session Chair: Dr. Md. Jahir Uddin, KUET				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:45~14:57	4212	Impact assessment of Khan Jahan Ali bridge on Rupsha river	167	Md. Mahfuzur Rahman and Kh. Md. Shafiul Islam	
14:57~15:09	4239	Spatial location of suitable places for water distribution facilities in Khulna city, Bangladesh: application of GIS	169	Md. Nazmul Haque and Md. Mustafa Saroar	
15:09~15:21	4413	Water pricing in four slums of Barisal city corporation: an analysis	171	Muhammad M Rahaman and Md S Khan	
15:21~15:33	4416	Is the propensity of increasing the rice production a sustainable approach? An analysis	173	M K Shehab and Muhammad M Rahaman	
15:33~15:45	4770	Application of DELFT3D mathematical model in the Jamuna river for two-dimensional simulation	187	Orpita Urmi Laz and Umme Kulsum Navera	
15:45~15:57	5097	Hydrological characteristics of Pussur river and its navigability	197	Md. Motiur Rahman and Md. Shahjahan Ali	
15:57~16:30	Coffee Break				

4 th Technical Session		Environmental Engineering-II		Venue: Seminar Room A	
Session Chair: Dr. Tanvir Ahmed, BUET				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4341	Chromium removal from tannery wastewater through electrocoagulation	97	Md. Navid Arman, Md. Anik Hasan, Md. Abul Hashem and Md. Abdul Momen	
16:42~16:54	4347	Chemical fertilizers effect on arsenic leaching from the contaminated sediment under aerobic conditions	101	Md. Abul Hashem, Md. Aminur Rahman, Mehedi Hasan, Md. Abdul Momen and Quazi Farjana Lamia	
16:54~17:06	5187	Compartment-wise variation of hydrodynamic characteristics of the modified anaerobic baffled reactor	147	Mehedi Hasan, Md. Khalekuzzaman and Muhammed Alamgir	
17:06~17:18	5196	Heavy metals phytoremediation potential of Napier grass cultivated in tannery sludge	151	Md. Ariful Islam Juel, Thuhin Kumar Dey, Md. Ibrahim Sardar Akash and Kushol Kumar Das	
17:18~17:30	5205	Evaluation and spatial distribution of human health risk associated with heavy metals in surface and ground water from waste disposal site at Khulna	157	Md. Mostafa Kamal, Islam M. Rafizul, Pangkaj Kumar Mahanta and md Sumon Mondol	
17:30~17:42	5208	Assessment of contamination potential of groundwater adjacent to the waste disposal site at Khulna: contamination indices, multivariate statistics and geostatistical approach	159	Kazi Md. Mashrur Abid, Islam M. Rafizul, Debatosh Banik Partha and Tanzim Jahin	
17:42~17:54	5211	Application of a low-cost ceramic filter to an algae based waste stabilization pond system	161	Md. Mahmudul Hasan and Jun Nakajima	
End of Day-1					

5 th Technical Session		Structural Engineering-I		Venue: Seminar Room B	
Session Chair: Prof. Dr. Md. Monjur Hossain, KUET (Retd.)				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4185	Building response and fragility curves for a high-rise building with and without soft storey with soil-structure interaction	25	Avik Samanta and Ravi Kanth Sriwastav	
16:42~16:54	4257	Fabricated steel box composite column and its advantages - Bangladesh perspective	27	A.K.M. Ruhul Amin, Md. Khasro Miah and Md. Nazrul Islam	
16:54~17:06	4266	Behaviour of RC beams strengthened with woven jute fibers	29	Tanvir Ahmed Khan and Md. Mahfuzur Rahman	
17:06~17:18	4356	Use of supplementary cementitious materials in recycled brick aggregate concrete	31	Md. Omar Ali Mondal, Md. All Mokadim and Abu Zakir Morshed	
17:18~17:30	4392	Investigation of screw fastened profile steel sheet subjected to simulated uplift load	33	S. M. Zahurul Islam, Habibur Rahman and Mohd. Waliul Alam	
17:30~17:42	4404	Effectiveness of rice husk ash (RHA) as a partial replacement of cement in concrete	35	D Barua, M M Rahman, M W R Chowdhury, M M Arif and M A Hasan	
17:42~17:54	4437	Comparison of wind load among BNBC – 1993 and proposed BNBC - 2015	37	Md. Mehedi Hassan Masum, Anika Akter, Suraiya Akter and Md. Jobayath Hossen	
17:54~18:06	4515	Effects of continuous mixing on mechanical properties of concrete	39	Maruf Hossain, Muhammad Harunur Rashid and Firoz Mahmud	
End of Day-1					

6 th Technical Session		Geotechnical Engineering-I		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Abul Bashar, AUST				Date: 09/02/2018 (Friday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4125	Numerical analysis of response of plate anchor under combined loading	207	Md. Al-Amin, Md. Shafiqul Islam, Mst. Rahanuma Tajnin, Grytan Sarkar and Md. Rokonzuzaman	
16:42~16:54	4131	Effect of interparticle friction on the small strain stiffness of granular materials by dem	209	Md. M Sazzad and Md. S Islam	
16:54~17:06	4170	Negative skin friction induced on single pile in collapsible soils due to top inundation	211	Roy, C., Noor, S.T., Niloy, T.M., Trisha, A.H., Rana, M. and Aziz, T.	
17:06~17:18	4182	Investigation of geotechnical properties of coal mine waste: a case study for Barapukuria coal mine.	213	Md. Belal Hossain, Md. Kumruzzaman and Md. Roknuzzaman	
17:18~17:30	4284	Artificial neural network based pullout capacity prediction formula for plate anchors in sand	217	Bayshakhi Deb Nath and Md. Rokonzuzaman	
17:30~17:42	4503	Bearing capacity of smooth and rough square and rectangular footings on clay	219	Jubayer, Shafiqul Islam and Rokonzuzaman	
17:42~17:54	5088	Numerical modeling of anchor foundation in dense sand	233	A.S.M. Riyad and Md. Rokonzuzaman	
End of Day-1					

DAY-2: February 10, 2018, Saturday

7 th Technical Session		Environmental Engineering-III		Venue: Seminar Room A
Session Chair: Prof. Dr. Md. Saiful Islam, KUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
09:00~9:12	4269	An improved method of solar desalination: tube in tube technique	91	Q.H.Bari, A. Navid, A. Istiaque, Kamrunnahar
09:12~9:24	4377	The amount of waste generated from road side shop with it consequences: case study on KUET pocket gate Fulbarigate Khulna, Bangladesh	103	Md. Raisul Islam, Mahinur Rahman and Md. Nazmul Haque
09:24~9:36	4380	Design and construction of an appropriate system for the treatment and reuse of grey water	105	Syeda Afsana Azad and Muhammed Alamgir
09:36~9:48	4386	Performance evaluation of UASB followed by DHS reactor treatment process and its cost in treating textile wastewater	107	Samiha Binte Shahid, Ishrat Rashid and Rowshan Mamtaz
09:48~10:00	4401	Air quality assessment during the operation phase of Padma bridge	109	Hafsa Binte Zakir and Kazi ABM Mohiuddin
10:00~10:12	4500	Scenario of Bangshi river water of Savar pourashava and planning for a sustainable management	113	Sabbir Ahmmad Siddique and Khondoker Mahbub Hassan
10:12~10:24	4557	A case study on the assessment of supplied water quality of Rajshahi WASA (RWASA) in Bangladesh	115	K Roy, S Akter and M Islam
10:24~10:36	4248	Bench scale study on co-composting for organic solid wastes and faecal sludge	87	Tarikul Islam, Quazi Hamidul Bari, S M Sazzad Ahmed Shovon, Rifat Al Saif
10:36~11:15	Coffee Break			

8 th Technical Session		Structural Engineering-II		Venue: Seminar Room B
Session Chair: Prof. Dr. Raquib Ahsan, BUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
09:00~9:12	4323	Thermal characterization of polymer concrete from unsaturated polyester resin reinforced with white sand	67	Muhtasim Kader Mukit, Md. Abdul Gafur, Dos Mohammad and Md. Arif Mokammel
09:12~9:24	4563	Flexural response and corrosion performance of ferrocement panel	41	Maria Shirin Anita and Md. Harunur Rashid
09:24~9:36	4881	Re-strengthening of reinforced concrete (RC) beam using near surface mounted (NSM) steel re-bars	45	Mohammad Nurul Mobin and Md. Foisal Haque
09:36~9:48	4887	Numerical investigation on the behavior of SHS columns retrofitted with CFRP wrappings	47	U. Devi, M. M. Rahman, M. F. Rabby and M. H. Talukdar
09:48~10:00	4902	Bonding strength behavior of concrete using granular waste plastic as a partial replacement of sand	49	Md. Yeasin Arafat and Mohammad Tarequl Alam
10:00~10:12	4905	Effect of different bracing systems on the structural performance of steel building	51	Md. Ahasan – Ul – Haque , Md. Atik Masum, Md. Muhtadi Ratul and Zasiah Tafheem
10:12~10:24	4146	Office building energy simulation for seven climatic regions of Bangladesh using BIM	63	Mizanoor Rahman and Habibur Rahman Sobuz
10:24~10:36	4599	Accidents on construction sites in Bangladesh: a review	71	Shakil Ahmed, Md. Habibur Rahman Sobuz and Md. Ikramul Haque
10:36~11:15	Coffee Break			

9 th Technical Session		Water Resources Engineering-II		Venue: Seminar Room C
Session Chair: Prof. Dr. Md. Shahjahan Ali, KUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
09:00~9:12	4206	Assessment of morphodynamic characteristics of Dudhkumar river using multi-temporal satellite images	163	Probir Kumar Pal, Afeefa Rahman and Dr. Anika Yunus
09:12~9:24	4527	Effect of land use on water quality of the Turag river	175	Md. Rafiu Zaman, Md. Mahmud Hossain, Abu Saeed Md. Noman and Mohammad Shahedur Rahman
09:24~9:36	4530	Risk assessment for urban water supply in a developing country: a case study of Dhaka city	177	S.M. Anik Rahman, Md. Mahmud Hossain, Md. Rabiul Hasan, Shakil Ahmed and Md. Rafiu Zaman
09:36~9:48	4536	Morphological responses of a tidal river due to climate change: a case study for Karnafuli river, Bangladesh	179	Sajal Kumar Roy and Umme Kulsum Navera
09:48~10:00	4542	Application of LANDSAT imagery and vegetation index property to assess the shoreline changes along Cox's Bazar-Teknaf coast	181	Umme Kulsum Navera and Md. Safin Ahmed
10:00~10:12	4584	Verification of apheridite precipitation data sets over Bangladesh	183	Md. Atiqul Islam, Asif Ahmed, Md. Munirujjaman Munir and Zarif Zaman Khandakar
10:12~10:24	4698	Determination of ground water level in Chittagong city	185	Sayma Akter and M.N. Anwar
10:24~10:36	4917	Changing pattern of the shoreline geometry as observed in Chittagong district	189	Reaz A Mullick and Ashraful Islam
10:36~11:15	Coffee Break			

10 th Technical Session		Environmental Engineering- IV		Venue: Seminar Room A
Session Chair : Prof. Dr. Niamul Bari, RUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
11:15~11:27	4572	Evaluation of landslide susceptibility of the Chittagong city using the method of multi criteria analysis (MCA)	117	Ummul Khaira, Shah Afzal Saki, Faisal Mohammad Alvee and Md. Raiful Islam
11:27~11:39	4602	Mapping and valuation of blue ecosystem service in an urban area: a case study on ward 30 in Khulna city, Bangladesh	119	Md. Nazmul Haque, Md. Al Mamun and Md. Mustafa Saroar
11:39~11:51	4734	Present scenario of municipal solid waste management in Satkhira municipality	121	Md. Mostafizur Rahman, Md. Saiful Islam, Debo Brata Paul Argha and Md. Mohaimenul Haque
11:51~12:03	4803	Management of faecal sludge by Rajshahi city corporation	123	Md. Niamul Bari, Anika Bushra and Jesika Zaman
12:03~12:15	4842	Treatment of municipal wastewater by using locally available materials as coagulants	125	Md. Niamul Bari, Anika Bushra and Md Mahmudul Hasan
12:15~12:27	4899	Spatio-temporal assessment of the impact of land cover change in the north-west region of Bangladesh	127	Eshrat Jahan Esha and Afzal Ahmed
12:27~12:39	4908	Assessment of air pollutants emission from mosquito coil	129	Ayesha Akter and Dr. Kazi ABM Mohiuddin
12:39~12:51	4935	Assessing the existing containment management practices of faecal sludge in a ward of Khulna city	131	Sabok Mondal, S. M. Moniruzzaman and Md. Shofiqul Islam
12:51~14:30	Lunch Break			

11 th Technical Session		Transportation Engineering-II		Venue: Seminar Room B
Session Chair: Prof. Dr. Hasib Mohammad Ahsan, BUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
11:15~11:27	4389	Simulating hazardous traffic condition for urban expressways -a micro-simulation approach	247	Md. Nafis Imtiaz, Md. Golam Sobhani and Moinul Hossain
11:27~11:39	4461	Impact of physical feature on traffic congestion: a case study of Khulna Jessore high way, Khulna	249	Sajnin Tasnim and Md. Mehedi Hasan Khan
11:39~11:51	4509	Analysis of school traffic in Dhanmondi residential area	251	Prokriti Monolina and Khondaker Md. Mohiuddin Ekram
11:51~12:03	4524	Evaluating operational characteristics of public transport system of Khulna- Jessore highway, Bangladesh: a case study on Phultala to Afil gate mid-block	253	Md. Nazmul haque, Hussain Muhammad Farhan, Farhana sultana, Anas hussain, Jenat Jahan, Md. Mokhlesur Rahman and Palash Chandra Das
12:03~12:15	4533	Relationship between dwell time and number of passenger boarding: a reflection of battery bike in Khulna city, Bangladesh	255	Sumya Sydunnaher
12:15~12:27	4545	Road accidents and safety study of Rajshahi city in Bangladesh	257	Nur-E Ferdus Monika Matin and Md. Masud Rana
12:27~12:39	4614	Assessing social and environmental sustainability of Sonadanga bus terminal, Khulna	259	Mohammad Faysal, Neeti Zaman Bintee, Nilima Islam Luba, Palash Chandra Das and Md. Mokhlesur Rahman
12:39~12:51	5193	An artificial neural network model for road accident prediction: a case study of Khulna metropolitan city	289	Ebrahim. S and Hossain, Q. S
12:51~14:30	Lunch Break			

12 th Technical Session		Water Resources Engineering-III		Venue: Seminar Room C
Session Chair: Dr. Sajal Kumar Adhikary, KUET				Date: 10/02/2018 (Saturday)
Time	Paper ID	Paper Title	Page No.	Authors Name
11:15~11:27	4209	Simulation of flow and salinity in Rupsha-Passur river system	165	Shihab Hossain Saran, Afeefa Rahman and Dr. Anika Yunus
11:27~11:39	5022	Fluvial stage and sediment discharge rating with possible maximum scour depth prediction of a selected reach of the Jamuna river	191	Makduma Zahan Badhan and Md. Abdul Matin
11:39~11:51	5028	Assessment of drainage capacity of Chaktai and Rajakhali khal in Chittagong city and inundation adjacent of urban areas	193	Faisal Mahmood and Md. Abdul Matin
11:51~12:03	5076	Identifying the impacts on rural livelihood due to seasonal variation of Dahuk river discharge in Bangladesh	195	Muhammad M Rahaman, Shah A Moyeen and M K Shehab
12:03~12:15	5100	Potential causes of navigation problem in Pussur river and interventions for navigation enhancement	199	Md. Motiur Rahman and Md. Shahjahan Ali
12:15~12:27	5178	Study of land surface temperature changes in selected drainage basin of Atai-Bhairab-Rupsha river based on NDVI and NDWI analysis	201	Chandan Mondal and Md. Jahir Uddin
12:27~12:39	5181	Interpolation methods for groundwater lowering prediction	203	Linkon Bhattacharjee, Aysha Akter and Md. Misbah Uddin Mahin
12:39~12:51	5220	Hydro-morphological assessment of the river Jamuna and old Dhaleshwari offtake	205	Tasmiah Ahsan and M. A. Matin
12:51~14:30	Lunch Break			

13 th Technical Session		Environmental Engineering-V		Venue: Seminar Room A	
Session Chair: Prof. Dr. Quazi Hamidul Bari, KUET			Date: 10/02/2018 (Saturday)		
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	4251	Extent of efflorescence in a brick masonry partition wall of a garage	89	Debo Brata Paul Argha, Q. Hamidul Bari	
14:42~14:54	4938	Temporal dynamics and relationship of land use land cover and land surface temperature in Dhaka, Bangladesh	133	Jannatul Ferdous and M Tauhid Ur Rahman	
14:54~15:06	4959	Solid waste management through 13rs in Sylhet city	135	Sabrin Ara, Rabea Khatun and M. A. I. Chowdhury	
15:06~15:18	4977	Investigation on quantity of municipal solid waste transportation of Khulna city corporation in Bangladesh	137	Md. Shofiqul Islam, S. M. Moniruzzaman and Sabok Mondal	
15:18~15:30	4983	Investigation of optimum initial moisture content of co-composting process in Khulna city of Bangladesh	139	Md. Alamin and Quazi Hamidul Bari	
15:30~15:42	5046	Present scenario of indoor air pollution in rural areas of Jessore district	141	Sagar Kumar Dey and Kazi ABM Mohiuddin	
15:42~15:54	5091	Reusing and recycling practice of e-waste in some major cities of Bangladesh	143	Syed Aaqib Javed and Sudipta Chakraborty	
15:54~16:06	5094	A study on paper reusing in Dhaka city	145	Sudipta Chakraborty and Syed Aaqib Javed	
16:06~16:30	Coffee Break				

14 th Technical Session		Structural Engineering-III		Venue: Seminar Room B	
Session Chair: Prof. Dr. M Harunur Rashid, KUET			Date: 10/02/2018 (Saturday)		
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	4845	Applicability of unsteady RANS for predicting flow fields around cylinders	43	Md. N Haque	
14:42~14:54	4980	Vulnerability assessment of an existing building by damage probability matrix based on pushover analysis	53	Mitu Das, Md. Jahir Bin Alam and Mohammad Rafiqul Islam	
14:54~15:06	4986	Sulfate and chloride resistance properties of Portland cement blends	55	Abu Zakir Morshed, Suraiya Hashi, Nitai Biswas and Miftaul Sadik	
15:06~15:18	5001	Displacement analysis of sac frames under different bracing systems & isolators	57	Tanjim Hossain, Shovona Khusru, Md. Abdullah-Al-Kafi, Nayeem Ahmed	
15:18~15:30	5124	Structural response evaluation of multi-storied frame using optimal control scheme	59	Mohammad S. Miah	
15:30~15:42	5217	Modeling of cover concrete cracking due to uniform corrosion of reinforcement	61	Sheikh Shakib and Abu Zakir Morshed	
15:42~15:54	4149	Comparative study of IPS & PPVC precast system- a case study of public housing buildings project in Singapore	65	Mizanoor Rahman and Habibur Rahman Sobuz	
15:54~16:06	4332	Project planning using scheduling techniques: time & cost aspects	69	Jhumana Akter , Akramul Hoq Hriday and Tareq Rahman	
16:06~16:30	Coffee Break				

15 th Technical Session		Transportation Engineering-III		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Mazharul Haque, UITS			Date: 10/02/2018 (Saturday)		
Time	Paper ID	Paper Title	Page No.	Authors Name	
14:30~14:42	4650	Evaluating the socio-economic and environmental impact of battery operated auto rickshaw in Khulna city	263	Mahinur Rahman and Md. Raisul Islam	
14:42~14:54	4671	Effect of cement mortar used as void filler on uniform graded binder course	265	Nafisa Malyat, Mahmood Omar Imam	
14:54~15:06	4710	Evaluating the user's perception regarding the role and performance of public transport in Khulna-Jessore highway: a case study on Afilgate to Fulbarigate midblock	267	Sharfuddin Ahmed, Kamrun Nahar Polin, Raihan-Ul-Alam, Md. Mokhlesur Rahman and Palash Chandra Das.	
15:06~15:18	4725	An assessment on volume study of public transportation system of Khulna city road, Bangladesh: a case study of Boyra to Shibbari mor midblock	269	Zahrin Zannat Surovi, Mohammad Sohanur Rahman, Faria Amin, Kazi Redwan Shabab, Md. Shamim Islam, Md. Mokhlesur Rahman and Palash Chandra Das	
15:18~15:30	4788	Use of crumb rubber in flexible pavements	271	Azam Khan, Mahmood Omar Imam and Anupom Deb Roy	
15:30~15:42	4794	Exploring the significant impacts on walking behavior of the urban population	273	Dilip Goswami, Shuvra Deb Chakraborti and Rajib Banik	
15:42~15:54	4800	Safe system countermeasures for vulnerable road users in Dhaka city	275	Md. Rakibul Alam and Md. Mazharul Hoque	
15:54~16:06	4809	A study on pedestrian flow characteristics for selected walkways in Khulna metropolitan area, Bangladesh	277	Sayed Shams - E - Rabbi and Quazi Sazzad Hossain	
16:06~16:30	Coffee Break				

16 th Technical Session		Environmental Engineering-VI		Venue: Seminar Room A	
Session Chair: Prof. Dr. S.M. Moniruzzaman, KUET				Date: 10/02/2018 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4167	Meteorological influences on urban air quality parameters in Dhaka city	77	N. Islam, M. G. Saroar and T. Ahmed	
16:42~16:54	4227	A study on plastic waste recycling process in Khulna city	83	Md. Ashik Ahmed and Dr. S. M. Moniruzzaman	
16:54~17:06	4296	Development of a multigrade filter for surface water treatment in drinking purpose	93	Fatema Binte Firoj, Khondoker Mahbub Hassan	
17:06~17:18	4302	Assessment of roof top rainwater harvesting system in saline prone area; a case study of Muslimabad Housing Society, Chittagong	95	M A Hossen and A Hoque	
17:18~17:30	5190	Evaluation of duckweed based waste stabilization pond system for domestic wastewater treatment	149	Md. Mahmudul Hasan, Mehedi Hasan and Tanveer Saeed	
17:30~17:42	5199	Risk-based assessment of heavy metal contaminated site at Khulna region of Bangladesh	153	Pangkaj, K.M. and Rafizul, I.M.	
17:42~17:54	4230	Scenario of existing solid waste management practices and integrated solid waste management model for developing country with reference to Jhenaidah municipality, Bangladesh	85	Md. Ashik Ahmed and Shuvra Deb Chakrabarti	
19:00		Closing Ceremony of ICCESD 2018 & Conference Dinner			

17 th Technical Session		Transportation Engineering-IV		Venue: Seminar Room B	
Session Chair: Prof. Dr. Quazi Sazzad Hossain, KUET				Date: 10/02/2018 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4635	Analyze the effect of driver behavior and socioeconomic condition on traffic flow: a case study of Pabna municipality in Bangladesh	261	Mital Chakma	
16:42~16:54	4815	Use of reclaimed asphalt pavement in bituminous road	279	G. M. Harun-Or-Rashid and M.A.Sobhan	
16:54~17:06	4854	Estimation of passenger car equivalent for different vehicles on selected road sections in Khulna metropolitan area using artificial neural network model	281	Gaji M. and Hossain Q. S.	
17:06~17:18	4878	Traffic characteristics Moghbazar-Mouchak flyover	283	Md. Asaduzzaman Rasel, Md. Nazmul Huda and L.Barua	
17:18~17:30	5166	Child pedestrians safety facilities close to the school premises located in major arterial streets in Dhaka city	285	Farzana Rahman, Sams-Un-Naher, Jannatun Nahar, and Mehedi Hasan	
17:30~17:42	5169	Assessing bus service quality based on public perception: a case study in Chittagong city	287	Md. Ariful Islam, Md. Mehrab Hasan, Prasanjit Das and Farzana Rahman	
17:42~17:54	5214	Key safety approaches in Bangladesh railway	291	Hasib Mohammed Ahsan	
17:54~18:06	4851	The effect of fire on the strength of concrete material	73	HM Iqbal Mahmud, MD Kawser Babu Raju and Md Lokman Hosen	
19:00		Closing Ceremony of ICCESD 2018 & Conference Dinner			

18 th Technical Session		Geotechnical Engineering-II		Venue: Seminar Room C	
Session Chair: Prof. Dr. Md. Rokonuzzaman, KUET				Date: 10/02/2018 (Saturday)	
Time	Paper ID	Paper Title	Page No.	Authors Name	
16:30~16:42	4197	Numerical analysis of reinforced slope using limit equilibrium method	215	Md. M Sazzad and T Rahat	
16:42~16:54	4683	Stabilization of soil by mixing with different percentages of lime	221	M A Ashraf, M A Hossen, M A Ali and B P Chakaraboty	
16:54~17:06	4707	The effect of embedment depth on bearing capacity of strip footing in cohesive frictional medium	223	Hasinur Rahman Nur, Md. Shafiqul Islam and Md. Rokonuzzaman	
17:06~17:18	4740	Effectiveness of sand column as a ground improvement technique	225	Md.Ikramul Hoque, Rana Sharmila Sheba	
17:18~17:30	4827	Numerical study on stability of plate anchor in sloping ground	227	Shishir Chandra Das, Mst. Rahanuma Tajnin, Md. Shafiqul Islam, Grytan Sarkar and Md. Rokonuzzaman	
17:30~17:42	4932	Pure horizontal, vertical and moment capacity of plate anchor embedded in sand	229	Jagobandhu Sarkar, Mst. Rahanuma Tajnin, Md. Shafiqul Islam, Grytan Sarkar and Md. Rokonuzzaman	
17:42~17:54	4944	Earthquake ground response analysis of Banasree residential area using shake 2000.	231	Shahana A Esha, A.S.M F Hossain, Md A Habib, Md. B Hossain and Md. Al N Islam	
19:00		Closing Ceremony of ICCESD 2018 & Conference Dinner			