



# ICCESD 2022

6<sup>th</sup> INTERNATIONAL CONFERENCE ON  
CIVIL ENGINEERING FOR SUSTAINABLE DEVELOPMENT

## PROGRAM SCHEDULE

10-12 February 2022



Organized by

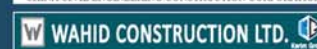


**Department of Civil Engineering**  
Khulna University of Engineering & Technology (KUET)  
Khulna-9203, Bangladesh

In Association with



Sponsored by



# Program Schedule of ICCESD 2022

(Hybrid mode: Physical & Virtual)

## Physical Reporting, Collection of Conference Kits and Tour Tickets:

February 9, 2022      Wednesday      Time: 15:00 – 18:00

February 10, 2022      Thursday      Time: 08:15 – 09:00

**Physical Venue** : Civil Engineering Building, KUET

**Virtual Reporting** : Zoom Platform on February 10, 2022 at 9:00 AM

**Virtual Venue** : Zoom Room [AUDI](#)

## Day 1: February 10, 2022 Thursday

Time	Venue	Events
09:00-10:25	Auditorium & Zoom	Inaugural Ceremony of ICCESD 2022
10:25-11:00	Auditorium	Refreshment
11:00-12:30	Auditorium & Zoom	Keynote Session-I
12:30-13:20	CE Building & Zoom	Parallel Technical Sessions (A1, B1, C1, D1)
13:20-14:45	CE Building	Prayer & Lunch
14:45-15:40	CE Building & Zoom	Keynote Sessions (II, III)
15:40-16:30	CE Building & Zoom	Parallel Technical Sessions (A2, B2, C2, D2)
16:30-16:50	CE Building	Prayer & Refreshment
16:50-18:00	CE Building & Zoom	Parallel Technical Sessions (A3, B3, C3, D3)
18:00-18:20	CE Building	Prayer & Refreshment
18:20-19:30	CE Building & Zoom	Parallel Technical Sessions (A4, B4, C4, D4)
20:00	CE Building	Dinner

## Day 2: February 11, 2022 Friday

Time	Venue	Events
09:00-10:10	CE Building & Zoom	Parallel Technical Sessions (A5, B5, C5, D5, E1)
10:10-10:30	CE Building	Refreshment
10:30-12:00	CE Building & Zoom	Keynote Sessions (IV, V)
12:00-12:50	CE Building & Zoom	Parallel Technical Sessions (A6, B6, C6, D6, E2)
12:50-15:00	CE Building/Mosque	Friday Prayer & Lunch (13:45-15:00)
15:00-16:30	CE Building & Zoom	Parallel Technical Sessions (A7, B7, C7, D7, E3)
16:30-16:50	CE Building	Prayer & Refreshment
16:50-18:00	CE Building & Zoom	Parallel Technical Sessions (A8, B9, C8, D8, E4)
18:00-18:20	CE Building	Prayer & Refreshment
18:20-19:10	CE Building & Zoom	Parallel Technical Sessions (A9, B9, C9, D9, E5)
19:30-22:00	CE Building	Closing Ceremony of ICCESD 2022 & Conference Dinner

## Day 3: February 12, 2022 Saturday

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

## DAY-1: February 10, 2022 Thursday

Physical Venue	AUDI-TORIUM	VENUE A CE Building	VENUE B CE Building	VENUE C CE Building	VENUE D CE Building	VENUE E CE Building
Virtual Venue	AUDI	MOYUR	PUSSUR	CHITRA	BHAIRAB	RUPSHA
Track	--	STE	ENV	TRE, CEM	WRE, GTE	FSE, STE, GTE
09:00-10:25	Inaugural Ceremony	--	--	--	--	--
10:25-11:00	Refreshment	--	--	--	--	--
11:00-12:30	Keynote Session-I	--	--	--	--	--
12:30-13:20	--	A1	B1	C1	D1	--
13:20-14:45	--	Prayer & Lunch				
14:45-15:40	--	Keynote Session-II	Keynote Session-III	--	--	--
15:40-16:30	--	A2	B2	C2	D2	--
16:30-16:50	--	Prayer & Refreshment				
16:50-18:00	--	A3	B3	C3	D3	--
18:00-18:20	--	Prayer & Refreshment				
18:20-19:30	--	A4	B4	C4	D4	--
20:00	--	Dinner				

## DAY-2: February 11, 2022 Friday

Physical Venue	AUDI-TORIUM	VENUE A CE Building	VENUE B CE Building	VENUE C CE Building	VENUE D CE Building	VENUE E CE Building
Virtual Venue	AUDI	MOYUR	PUSSUR	CHITRA	BHAIRAB	RUPSHA
Track	--	STE	ENV	TRE, CEM	WRE, GTE	FSE, STE, GTE
09:00-10:10	--	A5	B5	C5	D5	E1
10:10-10:30	--	Refreshment				
10:30-12:00	--	Keynote Session-IV	Keynote Session-V	--	--	--
12:00-12:50	--	A6	B6	C6	D6	E2
12:50-15:00	--	Friday Prayer & Lunch (13:45-15:00)				
15:00-16:30	--	A7	B7	C7	D7	E3
16:30-16:50	--	Prayer & Refreshment				
16:50-18:00	--	A8	B8	C8	D8	E4
18:00-18:20	--	Prayer & Refreshment				
18:20-19:10	--	A9	B9	C9	--	E5
19:30-22:00	--	Closing Ceremony of ICCESD 2022 & Conference Dinner				

## Technical Sessions Schedule

### DAY-1: February 10, 2022 Thursday

Physical Venue	VENUE- A CE Building	VENUE- B CE Building	VENUE- C CE Building	VENUE- D CE Building	VENUE- E CE Building
Virtual Venue	MOYUR	PUSSUR	CHITRA	BHAIRAB	RUPSHA
Track	STE	ENV	TRE, CEM	WRE, GTE	FSE, STE, GTE
12:30-13:20	<b>A1: STE-I</b> STE-01130 STE-4224 STE-4950 STE-4305 STE-4809	<b>B1: ENV-I</b> ENV-4248 ENV-01152 ENV-01123 ENV-4680 ENV-4212	<b>C1: TRE-I</b> TRE-4797 TRE-4536 TRE-4380 TRE-4860 TRE-01167	<b>D1: WRE-I</b> WRE-4317 WRE-4449 WRE-01110 WRE-4815 WRE-4152	X
15:40-16:30	<b>A2: STE-II</b> STE-4266 STE-4632 STE-4188 STE-4704 STE-01162	<b>B2: ENV-II</b> ENV-5058 ENV-01160 ENV-4245 ENV-01127 ENV-4650	<b>C2: TRE-II</b> TRE-4788 TRE-01148 TRE-4467 TRE-4230 TRE-4350	<b>D2: GTE-I</b> GTE-4218 GTE-01155 GTE-4812 GTE-4125 GTE-4314	X
16:50-18:00	<b>A3: STE-III</b> STE-4344 STE-4416 STE-4434 STE-4674 STE-4908 STE-4299 STE-01181	<b>B3: ENV-III</b> ENV-01112 ENV-4887 ENV-4863 ENV-4308 ENV-01154 ENV-01144 ENV-01171	<b>C3: TRE-III</b> TRE-01147 TRE-4854 TRE-4461 TRE-4251 TRE-01149 TRE-4902 TRE-4881	<b>D3: WRE-II</b> WRE-5028 WRE-5055 WRE-4374 WRE-01121 WRE-4725 WRE-4332 WRE-4119	X
18:20-20:00	<b>A4: STE-IV</b> STE-4959 STE-01134 STE-4767 STE-4770 STE-01164 STE-4341 STE-01170	<b>B4: ENV-IV</b> ENV-01114 ENV-01153 ENV-4914 ENV-01162 ENV-4329 ENV-4701 ENV-4452	<b>C4: TRE-IV</b> TRE-4953 TRE-01166 TRE-01135 TRE-01136 TRE-4578 TRE-4368	<b>D4: GTE-II</b> GTE-01154 GTE-01120 GTE-4356 GTE-4383 GTE-4737 GTE-01156 GTE-4443	X

## DAY-2: February 11, 2022 Friday

Physical Venue	VENUE- A CE Building	VENUE- B CE Building	VENUE- C CE Building	VENUE- D CE Building	VENUE- E CE Building
Virtual Venue	MOYUR	PUSSUR	CHITRA	BHAIRAB	RUPSHA
Track	STE	ENV	TRE, CEM	WRE, GTE	FSE, STE, GTE
09:00-10:10	<b>A5: STE-V</b> STE-4377 STE-01137 STE-01161 STE-4722 STE-4194 STE-01157 STE-01167	<b>B5: ENV-V</b> ENV-4686 ENV-01143 ENV-4170 ENV-4347 ENV-01176 ENV-4371 ENV-4197	<b>C5: TRE-V</b> TRE-4425 TRE-4200 TRE-4254 TRE-4992 TRE-01145 TRE-01146 TRE-01124	<b>D5: WRE-III</b> WRE-4428 WRE-4762 WRE-4920 WRE-4278 WRE-4326 WRE-4437 WRE-4527	<b>E1: FSE-I</b> FSE-5010 FSE-4179 FSE-4422 FSE-01161 <i>(Session starts at 9:30 am)</i>
12:00-12:50	<b>A6: STE-VI</b> STE-4302 STE-01182 STE-01173 STE-01172 STE-01133	<b>B6: ENV-VI</b> ENV-4731 ENV-01151 ENV-4173 ENV-4752 ENV-4203	<b>C6: TRE-VI</b> TRE-4647 TRE-01150 TRE-4971 TRE-4473 TRE-4917	<b>D6: WRE-IV</b> WRE-4599 WRE-4653 WRE-4128 WRE-4311 WRE-4107	<b>E2: GTE-III</b> GTE-4440 GTE-01125 GTE-01101 GTE-01131
15:00-16:30	<b>A7: STE-VII</b> STE-4977 STE-4296 STE-4779 STE-4455 STE-4791 STE-4140 STE-01116 STE-01166 STE-4575	<b>B7: ENV-VII</b> ENV-4176 ENV-01142 ENV-01159 ENV-4947 ENV-4707 ENV-4545 ENV-4167 ENV-4794 ENV-4269	<b>C7: TRE-VII</b> TRE-4242 TRE-4749 TRE-4593 TRE-4524 TRE-4506 TRE-01168 TRE-01127 TRE-01169 TRE-5082 TRE-4491	<b>D7: WRE-V</b> WRE-4482 WRE-01108 WRE-4758 WRE-4398 WRE-4761 WRE-01126 WRE-4620 WRE-5064	<b>E3: STE-VIII</b> STE-4539 STE-4659 STE-01140 STE-4476 STE-01138 STE-5025 STE-01141 STE-4404 STE-4974
16:50-18:00	<b>A8: STE-IX</b> STE-4938 STE-4560 STE-4431 STE-4257 STE-4656 STE-4518 STE-01174	<b>B8: ENV-VIII</b> ENV-01158 ENV-01165 ENV-4587 ENV-4905 ENV-4395 ENV-01113 ENV-5070	<b>C8: CEM-I</b> CEM-4662 CEM-4941 CEM-4446 CEM-4848 CEM-4335	<b>D8: WRE-VI</b> WRE-4206 WRE-4458 WRE-4596 WRE-4968 WRE-5016 WRE-4776 WRE-4803	<b>E4: STE-X</b> STE-4386 STE-4581 STE-4986 STE-4290 STE-4275 STE-01115 STE-4572
18:20-19:30	<b>A9: STE-XI</b> STE-4638 STE-4935 STE-5067 STE-4392 STE-4533	<b>B9: ENV-IX</b> ENV-4419 ENV-4158 ENV-4842 ENV-4563 ENV-01175 ENV-01177 ENV-4215	<b>C9: CEM-II</b> CEM-4281 CEM-4893 CEM-4338 CEM-4911	X	<b>E5: GTE-IV</b> GTE-01132 GTE-01163 GTE-4116 GTE-01178 GTE-01128

# ICCESD 2022

6<sup>th</sup> International Conference on  
Civil Engineering for Sustainable Development

## Inaugural Ceremony

Thursday, 10 February 2022 at 9:00 AM



Venue: Auditorium, Khulna University of Engineering & Technology, Khulna



With great enthusiasm and pleasure, we invite you in the Inaugural Ceremony of the 6th International Conference on Civil Engineering for Sustainable Development (ICCESD 2022). **Dr. Dipu Moni**, MP, Honorable Minister, Ministry of Education, Government of the People's Republic of Bangladesh has given her kind consent to be the Chief Guest of the program. **Begum Monnujan Sufian**, MP, Honorable State Minister, Ministry of Labour and Employment, Government of the People's Republic of Bangladesh has also given her kind consent to be the Special Guest of the program. **Professor Dr. Quazi Sazzad Hossain**, Vice-Chancellor, Khulna University of Engineering & Technology will be the Chairperson of the Inaugural Ceremony. Your gracious presence is cordially solicited on this auspicious occasion.

**Professor Dr. Kazi ABM Mohiuddin**  
Conference Secretary, ICCESD 2022

**Professor Dr. Md. Shahjahan Ali**  
Conference Chair, ICCESD 2022

## Program Schedule

Date & Time : 10 February 2022 Thursday at 9.00 AM

Venue : Auditorium, KUET

9.00	Arrival of Invited Guests
9.05	Invited Guests take their seats
9.15	National Anthem
9.20	Welcome Address by the Conference Chair: <b>Professor Dr. Md. Shahjahan Ali</b>
9.25	Address by the Special Guest: <b>Professor Dr. M. Feroze Ahmed</b> Former Professor of BUET & Distinguished Civil Engineer of Bangladesh
9:35	Address by the Special Guest: <b>Begum Monnujan Sufian</b> , MP Honorable State Minister, Ministry of Labour and Employment Government of the People's Republic of Bangladesh
9:50	Address by the Chief Guest: <b>Dr. Dipu Moni</b> , MP Honorable Minister, Ministry of Education, Government of the People's Republic of Bangladesh
10:10	Address by the Chairperson of Inaugural Ceremony: <b>Professor Dr. Quazi Sazzad Hossain</b> Vice-Chancellor, Khulna University of Engineering & Technology, Khulna
10.25	Refreshment
11.00	<b>Keynote Session</b>
Speaker 1:	<b>Dr. Md Mahabubul Bari</b> , Project Management Advisor/ Team Leader at SMEC Greater Dhaka Sustainable Urban Transport Project (BRT Line 3), Dhaka, Bangladesh
Speaker 2:	<b>Distinguished Professor Buddhima Indraratna</b> , Director, Transport Research Centre School of Civil and Environmental Engineering, University of Technology Sydney (UTS), Sydney, Australia
12.30	End of Keynote Session

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## PHYSICAL VENUE (INAUGURAL CEREMONY)

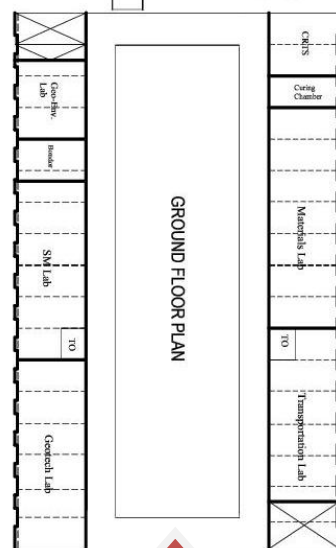
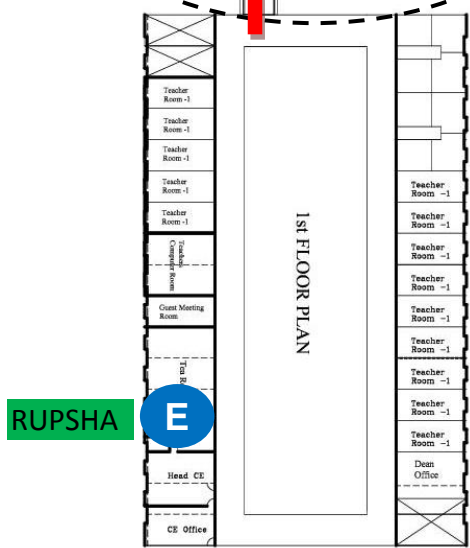
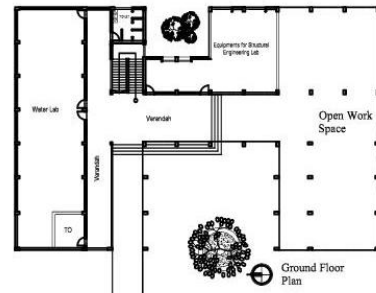
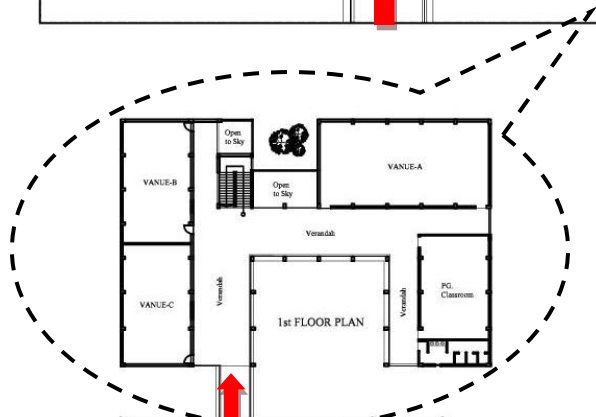
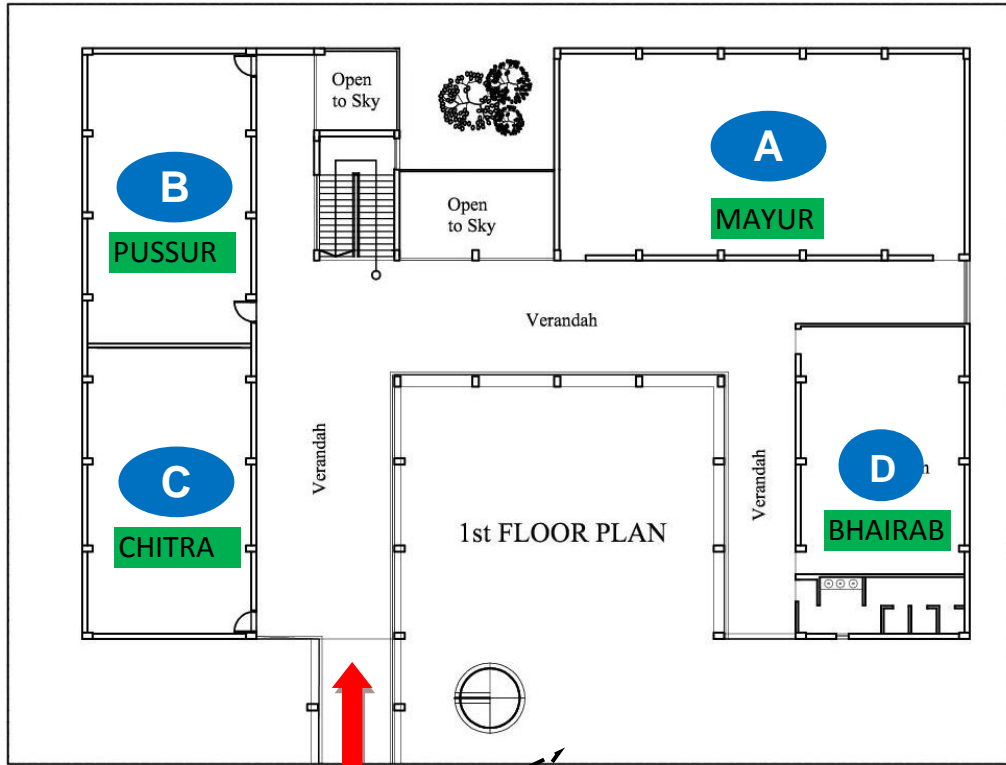


Physical Venue of Inaugural Ceremony: **AUDITORIUM**  
 Physical Venue of Technical Session(s): **CE BUILDING**  
 Physical Venue of Closing Ceremony: **CE BUILDING**

## VIRTUAL VENUE (INAUGURAL CEREMONY)

VENUE	VENUE CODE <small>Click here</small>	ZOOM LINK
<b>AUDITORIUM</b>	<b>AUDI</b>	Direct Link: <a href="https://bdren.zoom.us/j/6479990618?pwd=b1F2azRLamZVTk1MNXJaSGd0VVZmdz09">https://bdren.zoom.us/j/6479990618?pwd=b1F2azRLamZVTk1MNXJaSGd0VVZmdz09</a> ZOOM ID: <b>647 999 0618</b> PASSCODE: <b>0000</b>

# PHYSICAL VENUE (TECHNICAL SESSIONS)



**Civil Engineering Building, KUET**





## VIRTUAL VENUE (TECHNICAL SESSIONS)

VENUE	VENUE CODE <span style="background-color: yellow;">Click here</span>	ZOOM LINK
<b>A</b>	<b>MAYUR</b>	Direct Link: <a href="https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPdZ09">https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPdZ09</a> ZOOM ID: <b>614 3247 2744</b> PASSCODE: <b>1111</b>
<b>B</b>	<b>PUSSUR</b>	Direct Link: <a href="https://bdren.zoom.us/j/61215554794?pwd=YnQwOGkwSXhaMjJNbGM1eFYVnhLUT09">https://bdren.zoom.us/j/61215554794?pwd=YnQwOGkwSXhaMjJNbGM1eFYVnhLUT09</a> ZOOM ID: <b>612 1555 4794</b> PASSCODE: <b>2222</b>
<b>C</b>	<b>CHITRA</b>	Direct Link: <a href="https://bdren.zoom.us/j/61379218157?pwd=UHM5QkpxU1B6QVhKMxM2RngwbmhOQT09">https://bdren.zoom.us/j/61379218157?pwd=UHM5QkpxU1B6QVhKMxM2RngwbmhOQT09</a> ZOOM ID: <b>613 7921 8157</b> PASSCODE: <b>3333</b>
<b>D</b>	<b>BHAIRAB</b>	Direct Link: <a href="https://bdren.zoom.us/j/64418080058?pwd=SEI3Z3Q4akU5N2ROa0dwWTBpZlFNdz09">https://bdren.zoom.us/j/64418080058?pwd=SEI3Z3Q4akU5N2ROa0dwWTBpZlFNdz09</a> ZOOM ID: <b>644 1808 0058</b> PASSCODE: <b>4444</b>
<b>E</b>	<b>RUPSHA</b>	Direct Link: <a href="https://bdren.zoom.us/j/62907931729?pwd=UTRpm94bXBTM1hpQ1M4THoxYlRndz09">https://bdren.zoom.us/j/62907931729?pwd=UTRpm94bXBTM1hpQ1M4THoxYlRndz09</a> ZOOM ID: <b>629 0793 1729</b> PASSCODE: <b>5555</b>

## Program Schedule of Keynote(s)

**Keynote Session-I**      **February 10, 2022 Thursday**      **Time (BD): 11:00 – 11:45**

Keynote topic:

*“Implementation of Integrated Mass Public Transit Systems in Bangladesh: Issues and Challenges”*

Keynote Speaker:

**Dr. Md Mahabubul Bari**

Project Management Advisor/Team Leader at SMEC  
Greater Dhaka Sustainable Urban Transport Project (BRT Line 3)  
Project Management, Coordination and Capacity Building  
Dhaka, Bangladesh



Venue:

Physical : Auditorium

Virtual : Zoom Room **AUDI**

Direct Zoom Link:

<https://bdren.zoom.us/j/6479990618?pwd=b1F2azRLamZVTk1MNXJaSGd0VVZmdz09>

ZOOM ID: **647 999 0618**; PASSCODE: **0000**

**Keynote Session-I**      **February 10, 2022 Thursday**      **Time (BD): 11:45 – 12:30**

Keynote topic:

*“Use of Recycled Rubber and Granular Waste Materials for Sustainable Transport Infrastructure.”*

Keynote Speaker:

**Distinguished Professor Buddhima Indraratna**

FTSE, FIEAust, FASCE, FGS, FAusIMM, FIESL, DIC, CEng, CPEng  
Distinguished Professor of Civil Engineering  
Director, Transport Research Centre  
Faculty of Engineering & Information Technology  
University of Technology Sydney, Australia



Venue:

Physical : Auditorium

Virtual : Zoom Room **AUDI**

Direct Zoom Link:

<https://bdren.zoom.us/j/6479990618?pwd=b1F2azRLamZVTk1MNXJaSGd0VVZmdz09>

ZOOM ID: **647 999 0618**; PASSCODE: **0000**

**Keynote Session-II February 10, 2022 Thursday**

**Time (BD): 14:45-15:30**

Keynote topic:

*“Challenges and Opportunities for Incorporating Closed Landfill Sites in Infrastructure Development”*

Keynote Speaker:

**Professor Hadi Khabbaz**  
Deputy Head of School (Research)  
School of Civil & Environmental Engineering  
University of Technology Sydney, Australia



Venue:

Physical : Civil Engineering Building

Virtual : Zoom Room **MAYUR**

Direct Zoom Link:

<https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPd09>

ZOOM ID: **614 3247 2744**; PASSCODE: **1111**

**Keynote Session-III February 10, 2022 Thursday**

**Time (BD): 14:45-15:30**

Keynote topic:

*“Impacts of industrial operations on air quality and sustainability”*

Keynote Speaker:

**Professor Vladimir Strezov**  
Director of Environmental Science Program  
Departmental Director of Higher Degree Research  
Macquarie University  
Australia



Venue:

Physical : Civil Engineering Building

Virtual : Zoom Room **PUSSUR**

Direct Zoom Link:

<https://bdren.zoom.us/j/61215554794?pwd=YnQwOGkwSXhaMjJNbGM1eFJYVnhLUT09>

ZOOM ID: **612 1555 4794**; PASSCODE: **2222**

Keynote topic:

*“Enhancing Sustainability of Transportation Infrastructure Using Forensic Investigations”*

Keynote Speaker:

**Professor Musharraf Zaman**

David Ross Boyd Professor and Aaron Alexander Professor of Civil Engineering, Alumni Chair Professor of Petroleum and Geological Engineering & Director, Southern Plains Transportation Center  
The University of Oklahoma, USA



Venue:

Physical : Civil Engineering Building

Virtual : Zoom Room **MAYUR**

Direct Zoom Link:

<https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPd09>

ZOOM ID: **614 3247 2744**; PASSCODE: **1111**

Keynote topic:

*“Sustainable Ground Improvement Solution for Bridge Approach Embankment and Retaining Wall Foundation”*

Keynote Speaker:

**Dr. AHM Kamruzzaman**

FIEAust CPEng NER RPEQ APEC Engineer IntPE  
Principal Engineer Geotechnical, Transport for NSW &  
Adjunct Faculty, University of Technology Sydney (UTS)  
Australia



Venue:

Physical : Civil Engineering Building

Virtual : Zoom Room **MAYUR**

Direct Zoom Link:

<https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPd09>

ZOOM ID: **614 3247 2744**; PASSCODE: **1111**

**Keynote topic:**

*“History of Development of National Guideline Australian Rainfall and Runoff – The Bible of Flood Hydrology”*

**Keynote Speaker:**

**Professor Ataur Rahman**

School of Engineering, Design and Built Environment  
Western Sydney University  
Australia

**Venue:**

Physical : Civil Engineering Building

Virtual : Zoom Room **PUSSUR**

**Direct Zoom Link:**

<https://bdren.zoom.us/j/61215554794?pwd=YnQwOGkwSXhaMjJNbGM1eFJYVnhLUT09>

ZOOM ID: **612 1555 4794**; PASSCODE: **2222**

## TRACK: STRUCTURAL ENGINEERING

**DAY-1: February 10, 2022 Thursday**

Technical Session: STE-I		<b>Structural Engineering I</b> TIME: DAY-1/ 12:30-13:20		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	STE-01130	Service Life and Environmental Performance Simulation of Concrete Structure Using SCMS as Partial Replacement of OPC	G. M. Sadiqul Islam, Israt Jahan, Md Mosaddek Hameem, Tahsin Mahmud, Jushan Abdullah, Md. Mahtab Ishmum and Mumtahina Alam	
P	STE-4224	Comparative Study on Seismic Analysis of a Multi-Storied Building with and Without Floating Column	Prantik Bosh, Md. Robiul Awall and Mahmud Hasan	
P	STE-4950	Recycled Waste Textiles as Reinforcement in Cement Block	Sajjad Hossain, Iftekhar Alam Dipta, and Ahsan Habib	
P	STE-4305	Study on Vulnerability Assessment and Seismic Upgradation of Old School Buildings in Khulna	Delphian Dip Sen and Abu Zakir Morshed	
P	STE-4809	Evaluation of the Seismic Performance of an Existing RC Educational Complex in the City of Khulna	Md. Montaseer Meraz, Md. Tanjid Mehedi and Nusrat Jahan Mim	

Click here

Technical Session: STE-II		<b>Structural Engineering II</b> TIME: DAY-1/ 15:40-16:30		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	STE-4266	Strengthening of Pre-Cracked RC Beams at Shear Region Using Carbon Fiber Reinforced Polymer	S. M. Zahurul Islam, Bulbul Ahmed, Md. Mohayminul Islam Md. Tanvir Zaman, Md. Nazmul Hasan Nisat, Md. Mahade Hasan Rakib, Md. Ayatulla Sayed and Md. Mostafizur Rahman	
P	STE-4632	Investigation of the Compressive Strength of CFRP Wrapped Nylon Fiber Reinforced Concrete Cylinders	Soumya Suhreed Das, Rupak Mutsuddy	
P	STE-4188	Performance Evaluation of Structural Lightweight Concrete using Jhama Brick as a Partial Replacement of Coarse Aggregate	Md. Rashedul Haque, Md. Emran Ali, Moustakem Khondaker Moin, and Shakil Bin Aziz	
P	STE-4704	Utilization Of Bamboo as The Reinforcing Material in Concrete for Low-Cost Application	Md Shariful Islam, Iftekhar Alam Dipta, and H M Golam Samdani	
V	STE-01162	A Study on Structural Risk Assessment and Rehabilitation of an Existing RCC Industrial Building in Bangladesh	Kamal Hosen, Abdullah All Noman and Md. Abul Kalam Azad	

Technical Session: STE-III		<b>Structural Engineering III</b> TIME: DAY-1/ 16:50-18:00		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	STE-4344	Investigation on CFRP-Strengthened Aluminum, Mild Steel and Stainless-Steel Tubular Members under Impact Loading	S. M. Zahurul Islam, Bulbul. Ahmed, Miraz Ahamed, Md Ayatulla Sayed , Omar Faruque Himel, MD Masud Ibn Sattar, Md. Mostafizur Rahman	
V	STE-4416	Influence of Recycled Coarse Aggregate on the Concrete's Strength Behavior	Md. Lutfar Rahman Talukder, Al Amin, Syeda Meghna Mukhtar	
P	STE-4434	Effect of Aggregate Size on the Residual Strength of Rapidly and Normally Cooled Concrete after Fire Exposure	Sk. Kamal Uddin, Khondoker Mahbube Alam, Sudipta Kumar Dhar	
P	STE-4674	Shake Table Testing of Tuned Liquid Damper Modified with Rubber Mesh to Control Seismic Vibration of Structure	Mohammad Sabbir Rahman, Abul Hasnat and Mohammed Muktarul Kabir	
P	STE-4908	Influence of Admixture along With Sand on Different Properties of Pervious Concrete	Nihal Mohammed Swarit, Sayma Sultana Boby, Ataul Rashid, Engr. Md. Abul Hasan	
V	STE-4299	Influence of Masonry in Fill Wall in Two Dimensional Frame	Al Amin, Riyadul Hashem Riyad, Nazmul Hossain Emon, Md Jahidul Islam, Joy Podder	
P	STE-01181	Effect of Capping Materials on the Compressive Strength and Modulus of Elasticity of Concrete	Md. Sakib Hasan Sihab, Ismail Saifullah, S.M. Shaik-ul-Karim and Milon Kanti Howlader	

Technical Session: STE-IV		<b>Structural Engineering IV</b> TIME: DAY-1/ 18:20-19:30		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	STE-4959	The Role of Structural Systems in Enhancing the Aesthetical Value of Airport Terminal: A Case of Jashore Airport	R.B.Firoz, M.R.Khan	
P	STE-01134	Investigation of Thermal Efficiency of Concrete by Heat Sink Method	Jubaer Hasan Joarder, and Mostazabul Raihan, Aatur Rahman	
P	STE-4767	Effect of Foundation Flexibility on Seismic Behaviour of Reinforced Concrete Shear Wall Buildings	K.K.K. Reddy and Putul Haldar	
V	STE-4770	Exploring The Heritage Edifices of Ancient Varendra Region: Architectural Features, Historical Significances & Preservation Context	Nandita Banik, Anik Gouala and KH. A.H.M Sayef	
P	STE-01164	State Of Research on External Steel Plating for Shear Retrofitting of RC Beams	Md. Abdur Rakib, Abu Zakir Morshed and Md. Mahfuzur Rahman	
V	STE-4341	Structural Health Monitoring of Bridge Using Smartphone Accelerometer	Md. Sakib Uddin, N. Hoque, Md. Abdus Sabur	
V	STE-01170	Effect Of Spraying Water While Fire Fighting on Concrete Strength Properties	Sk. Kamal Uddin, S K Dhar and K M Alam	

## DAY-2: February 11, 2022 Friday

Technical Session: STE-V		<b>Structural Engineering V</b> TIME: DAY-2/ 9:00-10:10	Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name
P	STE-4377	Mechanical and Durability Properties of Polypropylene Fiber Reinforced Fly Ash Concrete After Exposed to Sulfate Attack	Saif Hossain and Imtiaz Uddin
V	STE-01137	An Overview on Different Reinforcing Bars from Manufacturing to Strengthening Element	Aaroon Joshua Das and Majid Ali
P	STE-01161	Offsite Construction (OSC) In Bangladesh: Barriers and Future Prospects	Shuvo Dip Datta, Mohammad Nafe Assafi
V	STE-4722	A Comparative Study on Steel, GFRP Reinforced Concrete Column Under Axial Loading	Md Jahidul Islam, Riyadul Hashem Riyad, Al Amin, Abdul Awol Rabby Joy Podder and Abdullah Al Noman
P	STE-4194	Flow Field Analysis Around Square Cylinder with Vertical Plates	Md. N Haque
V	STE-01157	Effect of Sand and Lime on Physical and Mechanical Properties of Autoclaved Aerated Concrete	Mohei Menul Islam, Muhammad Harunur Rashid and M. Aqib Muntasir
P	STE-01167	Finite Element Modeling of RC Beams Retrofitted with Near Surface Mounted Steel Bars	Md Ibrahim Kholil, Sheikh Shakib, Md. Abdur Rakib, Abu Zakir Morshed

Technical Session: STE-VI		<b>Structural Engineering VI</b> TIME: DAY-2/ 12:00-12:50	Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name
P	STE-4302	Natural Vibration Characteristics of Horizontally Curved Steel Twin I Girder Bridge	Simoom Sadik, Md. Robiul Awall, Mahmud Hasan and Showaib Ahmed Chowdhury
P	STE-01182	Engineering Characteristics and Application of Recycled Concrete-Crushed Brick Blends in Sub-Base of Road Pavement	S. M. Shaik-Ul-Karim, Ismail Saifullah, Md. Shibbir Ahmed, Mohammad Ali and Zahurul Islam
V	STE-01173	Experimental Study on the Sensitivity of Cement Grout Used in the Post Tensioning Work to Mixing Temperature	Jannatul Maowa, Mohammad Harunur Rashid, Milon Kanti Howlader
V	STE-01172	Prestressed Spun Pile in Soft Soil: A Case Study	Sk. Kamal Uddin , D. Das, Md Nowshad Ali
V	STE-01133	Behaviour of Concrete at High Temperature: A Review	Saqib Khalid, Muhammad Saad Hassan, Wasif Ali, Mehran Sudheer and Majid Ali



Technical Session: STE-VII		<b>Structural Engineering VII</b> TIME: DAY-2/ 15:00-16:30		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
V	STE-4977	Seismic Performance Evaluation of Reinforced Concrete Wall Frame Mixed Building Systems	Mohammad Al Amin Siddique and Md. Foyzal Meah	
V	STE-4296	Effect of Mixing Parameters on Mechanical Properties of Concrete	Riyadul Hashem Riyad, Al Amin, Mayida Rubya Tithi, Md. Enamul Bari, Md Jahidul Islam and Abdullah Al Noman	
V	STE-4779	Performance Evaluation of Light Transmitting Concrete Made with Plastic Optical Fibers	Shishir Kumar Sikder Amit, Sohel Rana, Adan Bishar Hussein, Md. Maruful Kalam Tanver and Md. Nejam Uddin	
V	STE-4455	Modeling And Verification of Multi-Strut Modeling Approach of Masonry Panel Sorrounded by RC Frame	Fahim Faisal, Md Rayhan Mirza, Sadia Afrin, Debasish Sen	
P	STE-4791	Effect Of High Range Water Reducing (Superplasticizer) Along with Early Strength Admixture on Mechanical Performance of Sand Cement Block	Kaniz Fatema, Md. Ashraful Alam and Ahsan Habib	
V	STE-4140	A Study on The Tension Stiffening Mechanism of Ultra-High-Performance Fiber Reinforced Concrete (UHPRFC) for Instantaneous Tensile Load	Mohammad Momeen Ul Islam, Md. Akter Hosen, Md. Nurul Islam Siddique	
V	STE-0116	Mechanical Properties of Brick Aggregate Concrete Reinforced with PVC Fiber	Md. Al-Amin Hossen; Kobir Hossain, PhD; Md. Rezaul Karim, PhD	
V	STE-01166	Experimental Study on the Effect of Incorporating Marble Dust as a Substitute of Sand in Concrete	Md. Izharul Haque Azad, Abu Saif Md. Nasim Uddin	
V	STE-4575	Comparative Study on Seismic Performance of Reinforced Concrete Bulldings of Different Plan Irregularities	Nusaiba Binte Saif, Sibgat Mehedi Hasan and Asif Iqbal Arpon	

Technical Session: STE-VIII		<b>Structural Engineering VIII</b> TIME: DAY-2/ 15:00-16:30		Venue: Room <b>E</b> <b>RUPSHA</b>
Mode	Paper ID	Paper Title	Authors Name	
V	STE-4539	Numerical Study of The Behaviour of Stainless Steel Semi-Rigid Joints	Swachchha Salila Saha, A S M Kaysaru Zaman Kawshiq and Shameem Ahmed3	
V	STE-4659	Experimental Investigation of The Mechanical Behavior of Steel Fibre Reinforced Concrete Having Variable Steel Fibre Contents	Al Amin, Riffat Farjana, Md. Nazmul Huda, Rafiuzzaman Sadi, and Md. Abul Kalam Azad	
V	STE-01140	Effects of the Combined Use of Banana Fiber and Used-Diesel-Engine Oil on The Workability Of Concrete	Zain Ul Abideen and Majid Ali	
P	STE-4476	Seismic Vulnerability Assessment of An Existing Rc Building in Bangladesh	Md. Farhad Momin, Nusaiba Naomi, Faiaz Bin Masud and Debasish Sen	
V	STE-01138	A Review on The Hybridization of Varying Length Natural Fibers for Cement Composites	Muhammad Abrar, Majid Ali	
P	STE-5025	Mechanical Properties of Light-Weight Concrete Block Using Expanded Polystyrene Foam	Md. Monir Hossain, Sheikh Fahad Ibne Kamal, Md. Golam Mostofa and Sk. Rakibul Islam	
V	STE-01141	Potential Of Used-Petrol-Engine-Oil as An Admixture In Cement Composites: A Detailed Review	Blawal Hasan, Majid Ali	
V	STE-4404	A Study of High-Rise Building Construction Practice in Bangladesh	Ovirup Basak Dipta, Md. Munna Hassan and Mehedi Hasan	
V	STE-4974	Load-Slip Behavior of Rebar Shear Connector in Composite Beams with Solid Concrete Slab	Fahmida Mahjabin, Mahbuba Begum and Mehedi Hasan	

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Technical Session: STE-IX		<b>Structural Engineering IX</b> TIME: DAY-2/ 16:50-18:00		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
V	STE-4938	Seismic Response Evaluation of Flat Plate Floor System and its Coupling Beam using Non-Linear Dynamic Analysis	Mohana Kawsher, Rezvi Ahmed and Khondaker Sakil Ahmed	
V	STE-4560	Assessment of RC Beam Using Truss Pattern Shear Reinforcement	Nazia Sultana, Abdullah Al Noman , Polleb Das, Md. Shamsul Hudha Chowdhury, Irfanul Islam, Kamrul Hasan and Md. Mehedi Hassan Masum	
V	STE-4431	Combined Effects of Maximum Aggregate Size, W/C Ratio and Cement Content Variations on Compressive Strength of Concrete Made with Recycled Brick Aggregate	Mahfuzur Rahman, Syed Shadman Sakib, Ahmed Sabbir and Mohammad Mehedi Hasan	
V	STE-4257	Response of Steel & Composite Frame Structures Under Blast Explosions Due to Different Configuration of Steel Column Section	Md. Mohiuddin Ahmed, Md. Tarikul Islam and Md. Hasan Imam	
V	STE-4656	Effect of Damping on Dynamic Soil Reaction Curves Used in One Dimensional Spring Models to Consider Soil-Structure Interaction	Quazi Shammas Sayeed	
V	STE-4518	Behavior of Eccentrically Loaded FRP Wrapped Masonry Column	Md. Muminul Islam and Dr. Ataur Rahman	
V	STE-01174	Experimental Investigation on Autogenous and Drying Shrinkage of Concrete in Moderate Temperature Range	Md. Rasel Chowdhury, Muhammad Harunur Rashid and Milon Kanti Howlader	

Technical Session: STE-X		<b>Structural Engineering X</b> TIME: DAY-2/ 16:50-18:00		Venue: Room <b>E</b> <b>RUPSHA</b>
Mode	Paper ID	Paper Title	Authors Name	
P	STE-4386	Modeling And Verification of Lateral Behavior of RC Frame with and Without Infill Masonry	Humayra Adiba Newaz, Sadia Mounota, Md. Wahidul Islam, Debasish Sen	
V	STE-4581	Redundancy Analysis of Hardinge Bridge: Effects of Failure of Lower Chords on other Members of the Span	Sumaya Tabassum, Kamrujjaman Serker and Laboni Gupta	
V	STE-4986	Design of RC Building with LRB Isolator as per BNBC 2020 Provisions	Priata R. Saha, Tahsin Reza Hossain	
V	STE-4290	Performance Analysis of Bridge Piers by Direct Displacement Based Design Method for Different Seismic Zones	Richa Dutta Rakhee and Tahsin Reza Hossain	
V	STE-4275	Effect of Fine Aggregates in Properties of Porous Concrete with Cupola Furnace Slag	Shamoeta Zaman, Md. Abdullah Al Hasan and Rupak Mutsuddy	
V	STE-01115	Properties of Brick Aggregate Concrete Containing Ceramic Waste Powder as a Partial Replacement of Cement	Md. Saiful Islam, Kobir Hossain; Md. Rezaul Karim	
V	STE-4572	Comparative Study on Reinforced Concrete Buildings in Different Seismic Zones of Bangladesh Based on Different Soil Types	Nusaiba Binte Saif, Asif Iqbal Arpon and Sibgat Mehedi Hasan	

Technical Session: STE-XI		<b>Structural Engineering XI</b> TIME: DAY-2/ 18:20-19:10		Venue: Room <b>A</b> <b>MAYUR</b>
Mode	Paper ID	Paper Title	Authors Name	
V	STE-4638	A Review on the Tensile Behavior of Fiber-Reinforced Rubberized Concrete	Mohammad Momeen UI Islam, Jie Li	
V	STE-4935	Study on Ready-Mix Concrete, Including a Survey and Experiment in the Context of Bangladesh.	Pranta Chakraborty, Muntasir Farhan	
V	STE-5067	Evaluation of Seismic Behavior of Vertical Geometric Irregular RC Moment Resisting Frame Structures	Mohammad Al Amin Siddique and Md. Abdullah	
V	STE-4392	Improving the structural behaviour of the Concentric Chevron Braced Frames under Cyclic Loading	Narayan, Ravindra Kumar Agrahari, and Krishna Kant Pathak	
V	STE-4533	Effect of Organic Carbon of Palm Oil Clinker Powder on Rheological Properties and Compressive Strength of Cement Mortar	Mohammad Razaul Karim, Md. Hafizur Rahman Abir, Sazzadul Shahriar Saykat , Hashim Abdul Razak, and Sumiani Yusoff	

## **TRACK: ENVIRONMENTAL ENGINEERING**

**DAY-1: February 10, 2022 Thursday**

<b>Technical Session: ENV-I</b>		<b>Environmental Engineering I</b>		<b>Venue: Room <b>B</b></b>
		<b>TIME: DAY-1/ 12:30-13:20</b>		<b>PUSSUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	ENV-4248	Repercussions of Covid-19 on Environment: Blessings or Curse	Farin Tasnuva Dhara, Md. Arafatul Alam , Promita Chakraborty	
V	ENV-01152	Development of Water Quality Indices for the Assessment of Groundwater Quality: A Case Study of Tubewells Adjacent to the Waste Landfill in Khulna City	M. Musabbir Ahnaf, Islam M. Rafizul and M. Badiuzzaman Shuvo	
V	ENV-01123	Roles of Sustainability Pillars in Construction Waste Minimization – a Review	Muhammmad Numan, Usman Hussain	
P	ENV-4680	Reuse and Recycle Status of Construction Waste Materials in Mymensingh, Bangladesh	Mahmud kamal Anamul Haque, Zannatul Mouwa , Md. Nakibul Hasan Khan	
P	ENV-4212	Preparation of Activated Carbon from Burmese Grape Seeds and Utilization in the Removal of Organic Pollutants from Aqueous Solution	Hridoy Roy, Tonima Rahman Prantika, Samrita Paul, M.H Riyad	

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<b>Technical Session: ENV-II</b>		<b>Environmental Engineering II</b>		<b>Venue: Room <b>B</b></b>
		<b>TIME: DAY-1/ 15:40-16:30</b>		<b>PUSSUR</b>
Mode	Paper ID	Paper Title	Authors Name	
P	ENV-5058	Quantitative Analysis of E-Waste in Dhaka City, Bangladesh	Eimtiaaz Ibne Easin, Nazifa Tabassum, Asiqul Islam and Md. Asif Hossain	
V	ENV-01160	Application of System Dynamics with IPCC 2006 and Landgem for Methane Emission Quantification from Landfill in Khulna City of Bangladesh	S.M. Rafew and Islam M. Rafizul	
P	ENV-4245	Generalized Mask Disposal Practices and Reduction of Colossal Amalgamation of Masks by Converting into Valuable Road Pavement Asset in Bangladesh	Farin Tasnuva Dhara, Arafatul Alam and Promita Chakraborty	
V	ENV-01127	Production of Activated Carbon from Rice Husk and Its Proximate Analysis	Md. Niamul Bari, Farzana Yasmin Muna, Mumtahina Rahnuma, Md. Iquebal Hossain	
V	ENV-4650	Characteristics of the Water of Shrimp Farm and its Applicability for Irrigation	Rezwana Sharif Rimi, S. M. Moniruzzaman, H M Fairouz Adnan	

Technical Session: ENV-III		<b>Environmental Engineering III</b>		Venue: Room <b>B</b> <b>PUSSUR</b>
		TIME: DAY-1/ 16:50-18:00		
Mode	Paper ID	Paper Title	Authors Name	
P	ENV-01112	Prepaid Telemetry System for Irrigation Management in Water Stressed Barind Tract	M. N. Bari, M. A. Kasem	
P	ENV-4887	Leather Buffing Dust in Composite Fabrication: Solid Waste Management in Tannery	Sumonta Kumar Mondal, Md. Tofazzul Hossain, Md. Abul Hashem, Md. Sanaul Haque	
P	ENV-4863	Evaluating the Soil Erosion by RUSLE Model Using Remote Sensing And GIS: A Case Study of Dwarakeshwar-Rupnarayan Basin, West Bengal, India	Md. Abu Zafor, Moumita Kundu, Ramakrishna Maity	
P	ENV-4308	Application of RS/GIS for Developing Water Pollution Risk Model in An Urban River	Md. Niamot Alahi, Sadia Afrin, Khondoker Mahbub Hassan	
P	ENV-01154	Surface Water Quality Assessment in Terms of Water Quality Index: A Case Study of Pangunchi River, Bagerhat	Sajid Shahriar, S. M. Moniruzzaman	
P	ENV-01144	An Integrated Fuzzy Approach for Environmental Risk Assessment of a Landfill Site in Khulna	Saptarshi Mondal, Islam M. Rafizul and Rhyme Rubayet Rudra	
V	ENV-01171	Coping with Challenges in Major Water Issues of Bangladesh	Khondoker Mahbub Hassan, Tahdia Tahmid	

Technical Session: ENV-IV		<b>Environmental Engineering IV</b>		Venue: Room <b>B</b> <b>PUSSUR</b>
		TIME: DAY-1/ 18:20-19:30		
Mode	Paper ID	Paper Title	Authors Name	
V	ENV-01114	Optimal Corrosion of TMT Steel Bars Exposed to Marine Environment for Structural Safety Assessment	M. Mohshin, M. N. Bari	
P	ENV-01153	Application of Fuzzy Logic to Evaluate the Operational Phase of a Sanitary Landfill	Niloy Karmoker and Islam M. Rafizul	
V	ENV-4914	Characterization of Chitosan Extracted from Shrimp Shell Waste and Its Utilization as A Flocculant for Harvesting of Microalgae	Md. Bashirul Islam, Md Khalekuzzaman, Sadib bin Kabir, Md. Refat Hossain	
P	ENV-01162	Assessment of Expired Coagulant for Water Treatment	Nadia Syuhada Binti Ahmad, Abdullah Al Mamun	
P	ENV-4329	Spatial Analysis of Trace Element Contamination in Sediments of Passur River	Tahira Tasneem Rahman, Anik Roy and Khondoker Mahbub Hassan	
P	ENV-4701	Resiliency of Historical Buildings to Mitigate Climate Change Impacts Through Vernacular Adaptation	S.A. Tisa	
P	ENV-4452	Impact of Industrial Wastewater Discharge on Chitra River in Southwest Bangladesh	Shamsun Naher Tabassum, Khondoker Mahbub Hassan, H M Fairouz Adnan	

## DAY-2: February 11, 2022 Friday

Technical Session: ENV-V		<b>Environmental Engineering V</b> TIME: DAY-2/ 9:00-10:10	Venue: Room <b>B</b> <b>PUSSUR</b>
Mode	Paper ID	Paper Title	Authors Name
P	ENV-4686	Exploring Sustainable Water Supply System of South-Western Coastal Region of Bangladesh: A Case Study in Assasuni Upazila	Brojen Mondal, Quazi Hamidul Bari
P	ENV-01143	Water Quality Assessment of Mayur River for Checking Its Suitability of Reuse in Irrigation Purpose	S. M. Moniruzzaman, Marzia Mustari Progga
V	ENV-4170	Utilization And Characterization of Activated Carbon Prepared from Cigarette Filter Wastes: A Review	Tahiat Mizan Orchi
P	ENV-4347	Groundwater Ion Compositions in Bangladesh: A Geospatial Approach	Ritu Progga Saha, Monojit Saha
P	ENV-01176	Study on Construction Safety Performance at KUET Campus	Mostazabul Raihan, and Jubaer Hasan Joarder, Kazi ABM Mohiuddin
V	ENV-4371	Water Quality Assessment and Monitoring Effects on Aquatic Life of The Balu River Using Remote Sensing Techniques	Md. Hasanur Rahman, Ahanaf Tahmid, Sadia Mounota
V	ENV-4197	Preparation of Activated Carbon Using Swietenia Macrophylla Flower for Dye Removal from Synthetic Textile Effluent	Proshanta Samajpoti, Quazi Hamidul Bari

Technical Session: ENV-VI		<b>Environmental Engineering VI</b> TIME: DAY-2/ 12:00-12:50	Venue: Room <b>B</b> <b>PUSSUR</b>
Mode	Paper ID	Paper Title	Authors Name
V	ENV-4731	NDVI: Detection of Vegetation Change using Remote Sensing And GIS- A Study on Barishal City Corporation, Bangladesh	Md Jubair Pantho, Zuhayr Shahid Ishmam, Abdul Mobin Ibna Hafiz, Md Mafizur Rahman
V	ENV-01151	Assessment of River Water Quality Parameters: A Case Study in Khulna City	M. Asadujjaman, Md. Mahadi Hashan, Md.Mahmudun Nabi
V	ENV-4173	An Assessment of Fecal Contamination of Groundwater in Bangladesh	Md. Mahjib Hossain, Alauddin Ahmed, and Muhammad Ashraf Ali
V	ENV-4752	Characterizations of Peat Biomass for Subsequent Thermochemical Conversion	Md. Refat Hossain, Md. Khalekuzzaman , Quazi Hamidul Bari, Sadib Bin Kabir and Md. Bashirul Islam
V	ENV-4203	Effect of Ammonia on The Formation of THMS in Drinking Water Chlorination - A Case Study	Md.Serajuddin, Md. Aktarul Islam Chowdhury, Md. Mehedi Hasan and Md. Ehteshamul Haque

<b>Technical Session: ENV-VII</b>		<b>Environmental Engineering VII</b>		<b>Venue: Room <b>B</b> PUSSUR</b>
		<b>TIME: DAY-2/ 15:00-16:30</b>		
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>	
V	ENV-4176	A Spatiotemporal Analysis of Land-Use Changes in Rohingya Refugee Camps using Multi-Temporal Satellite Image Analysis	Nafeez Islam, Alvee Bin Hannan, Tanjina Sultana Onty, Ritu Rani Das, Md. Shihab Uddin and Faiza Binte Alam	
V	ENV-01142	Seasonal Variation and Assessment of Water Quality: A Study on Mayur River, Khulna	Md. Mahadi Hashan, S M Moniruzzaman	
V	ENV-01159	Efficiency of Nanotechnology in Environmental Pollution Control by Soil and Groundwater Remediation	Bhawana Acharya , Sk. Md. Imdadul Islam and Md. Shakhawath Alam	
V	ENV-4947	Success Rate in Sinking Deep Tube-Wells to Search New Water Source in The Northern Periphery of Khulna City	Quazi Hamidul Bari, Md. Shafiquzzaman and Quazi Shamsul Bari	
V	ENV-4707	Water Supply History of Rajshahi City	Quazi Shamsul Bari and Quazi Hamidul Bari	
V	ENV-4545	Assessment of Pollution Status of Chaktai and Rajakhali Canal: The Influence of Bed Sediments in Attenuating the Pollution Level	M.H. Masum, S.K. Pal, M.A. Hossen and I.J. Ruva	
V	ENV-4167	Removal Of Ammonia from Drinking Water Using Synthetic Zeolites	Arif Talukder, Sumon Hossain Rabby and Muhammad Ashraf Ali	
P	ENV-4794	Investigation on the Impurities of Surface Water and its Purification for Drinking Purpose by a Prototype Treatment Plant	Ariful Islam, Md. Oli - Ullah and Md. Mizanur Rahman	
V	ENV-4269	Predicting Trihalomethanes Formation Potential (THMFP) of A Drinking Water Source in A Megacity: A Case Study	Md. Serajuddin , Md. Aktarul Islam Chowdhury, Md. Mahmudul Haque, Md. Ehteshamul Haque	

<b>Technical Session: ENV-VIII</b>		<b>Environmental Engineering VIII</b>		<b>Venue: Room <b>B</b> PUSSUR</b>
		<b>TIME: DAY-2/ 16:50-18:00</b>		
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>	
V	ENV-01158	Holistic Scenario and Environmental Impact Exploration of Covid-19 Vaccination Program: Bangladesh Perspective	Samsuddin Ahmed, Sadib Bin Kabir	
V	ENV-01165	Bioenergy Derived from Pabr Sludge Through Hydrothermal Liquefaction: Effects of Temperature	Nusrat Jahan I, Mehedi Hasan, Sadib Bin Kabir, Md. Khalekuzzaman ,	
V	ENV-4587	Identifying Tree Assemblages in The Natural Forests of Patharia Hill Reserve, Bangladesh: A Numerical Approach	Ratna Dhar and S. K. Sarker	
V	ENV-4905	Traditional Brick Making Process and its Environmental Impact	Mamun-Or-Rshid, Quazi Hamidul Bari	
P	ENV-4395	Irrigation Water Quality & Soil Nutrients Near Shyampur Sugar Mill Area in Bangladesh	H M Fairouz Adnan, Khondoker Mahbub Hassan, Shamsun Naher Tabassum	
V	ENV-01113	Adsorption of Methylene Blue from Aqueous Solutions onto Bituminous Coal Base Activated Carbon: A Study of Equilibrium Adsorption Isotherm	Md. Mahmudun Nabi, Quazi Hamidul Bari	
P	ENV-5070	The Impacts of Dumping Solid Waste on Surface and Ground Water in Faridpur Municipality	Md. Oli - Ullah, Ariful Islam, Md. Mizanur Rahman, Md. Ahad Bepari, Trisha Saha	

<b>Technical Session: ENV-IX</b>	<b>Environmental Engineering IX</b> TIME: DAY-2/ 18:20-19:30	<b>Venue: Room B</b> <b>PUSSUR</b>
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<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>
V	ENV-4419	Development of PM2.5 Concentration Prediction Model Using Machine Learning Approaches	Sudipta Roy, Rumpa Chowdhury, Prithula Purna
P	ENV-4158	Remote Sensing Techniques as a Tool for Environmental Monitoring: A Case Study of Rajbandh Landfill at Khulna City	Emruz Arafat and Islam M. Rafizul
V	ENV-4842	Estimation of Air Pollutants from Different Sectors: A Case Analysis of Dhaka City	Fariha Islam Mou, Zuhayr Shahid Ishmam and Towhidul Islam
V	ENV-4563	Trend Analysis of Ambient Air Quality of Chattogram City	M A Hossen, M H Masum, M Salauddin and S K Pal
P	ENV-01175	Assessment of Acid Deposition Potential in Khulna Airshed	Tunazzina Rahimu and Kazi ABM Mohiuddin
P	ENV-01177	Study on Smart City Index of Khulna City: A Case Study	Md. Sohel Rana and Kazi ABM Mohiuddin
V	ENV-4215	Forecasting Maximum and Minimum Temperature: A Study of The Northeastern Bangladesh	Nirupam Deb



# TRACK: TRANSPORTATION ENGINEERING

**DAY-1: February 10, 2022 Thursday**

Technical Session: TRE-I		<b>Transportation Engineering I</b> TIME: DAY-1/ 12:30-13:20	Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name
P	TRE-4797	Evaluating Users' Opinion on Ridesharing Transportation System: Explanatory Analysis and Results of a Survey in Dhaka City	Iftekhhar Alam Dipta, MD. Ikramul Hoque and Ahmed Sajid Hasan
P	TRE-4536	Advances In Facilities Prevail in Mass Transit Railway Station In Asian Cities Including Dhaka: A Review	Tasnova Chowdhury, Quazi Hamidul Bari, Dip Mukherjee
P	TRE-4380	Microscopic Approach to Evaluate the Capacity of Multi-Lane Highways Under Mixed Traffic Condition	MD Niamot Alahi, Quazi Sazzad Hossain
P	TRE-4860	Technical Pre-Feasibility Analysis and Preliminary Corridor Design of Bus Rapid Transit (BRT) Line-02 (Gabtali to Azimpur)	MH Mahmud Mazumdar, Inthaqab Wahid Ruso, Amit Saha, Firoz Anika Khan and Jannatul Ferdous
V	TRE-01167	Traffic Safety Assessment for A Long-Term Construction Project Using Statistical Modeling	Mushirah Tasnim and Armana Sabiha Huq

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Technical Session: TRE-II		<b>Transportation Engineering II</b> TIME: DAY-1/ 15:40-16:30	Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name
P	TRE-4788	Factor Analysis of Service Quality Attributes Related to Passenger Satisfaction for Kamalapur Railway Station	Salma Afia Ratri, Nabiha Tanzim Tonima , Junaed Hossain , Md. Minhajul Islam Khan
P	TRE-01148	Road Safety Problem of Elderly People in Bangladesh: Comparative Crash Characteristics Analysis Using Logistic Regression Model	S. M. Sohel Mahmud and Khairuzzaman Himel
V	TRE-4467	Analysis of CBR Value of Sandy Sub-Grade Mixed with Different Percentage of Coarse Aggregates	Md. Siddik Riyad, Quazi Sazzad Hossain and Md Niamot Alahi
P	TRE-4230	Enforcement of Road Safety Audit and Road Engineering in India	Umang Champaklall Modi
P	TRE-4350	Evaluation of Flexible Pavement Distress: A Case Study on Sylhet to Dhaka and Sylhet to Tamabil Highway	Md. Titumir Hasan, Mohammed Atiql Hasan

<b>Technical Session:</b> <b>TRE-III</b>			
		<b>Transportation Engineering III</b> <b>TIME: DAY-1/ 16:50-18:00</b>	
		<b>Venue: Room C</b> <b>CHITRA</b>	
Mode	Paper ID	Paper Title	Authors Name
V	TRE-01147	A Systematic Review on Hazardous Road Locations (HRL)	Onindo Akash Shuvro and Armana Sabiha Huq
V	TRE-4854	Impact of Four Lane Bridges on Mobility of Traffic Flow in Dhaka-Chittagong Highway	G. M. A. Mamun, A. S. Hasan, K. Roksana, A. Pervin
P	TRE-4461	Curtailment of GHG Emission Due to Implementation of Metrorail Service: A Case Study in Dhaka City	Dip Mukherjee, Quazi Hamidul Bari and Tasnova Chowdhury
V	TRE-4251	User Satisfaction and System Efficiency Towards Ride Sharing Service: Study on Uber Bangladesh	Nadia Binte Mohammad, Md. Sohel Mahmud and Md. Shamsul Hoque
V	TRE-01149	Crash Factors Analysis Resulted Child Fatalities using Logistic Regression Model	S. M. Sohel Mahmud and Monzurul Islam
V	TRE-4902	Application of High-Definition Aerial Data in Transportation Engineering	Md Mahmud Hasan1, Md Nazmul Ahsan and Md Asif Raihan
V	TRE-4881	Inventorying of Bahaddarhat Flyover and its Impact on Traffic System	Swapan Kumar Palit, Asif Mohammad Sami, Tamanna Tashnim

<b>Technical Session:</b> <b>TRE-IV</b>			
		<b>Transportation Engineering IV</b> <b>TIME: DAY-1/ 18:20-19:30</b>	
		<b>Venue: Room C</b> <b>CHITRA</b>	
Mode	Paper ID	Paper Title	Authors Name
V	TRE-4953	An Insight of Chip Seal Technology for Road Surfacing	Mohammad Zakir Alam
V	TRE-01166	Causative Factors to The Unauthorized Vehicle Fatal Accidents in Dhaka Metropolitan City	Maisha Ghani, Armana Sabiha Huq and Sanjida Meherin
V	TRE-01135	Motorcyclist Safety Risk and Attitude to Using Helmet	Md. Fuad Hasan, S. M. Sohel Mahmud, Md. Asif Raihan, Ayesha Akter, and Arnob Bhattacharjee
V	TRE-01136	Pedestrian Safety in Dhaka Mega City of Bangladesh: Behavior, Attitude and Risk Perception	Arnob Bhattacharjee, S. M. Sohel Mahmud, Md. Asif Raihan, Papri Hazra and Md. Fuad Hasan
V	TRE-4578	An Analysis of Inland Water Transportation in Bangladesh: Connectivity and Integration	S. Islam, H. M. Ahsan and M. H. Shibly
V	TRE-4368	Electric Autonomous Vehicle Adoption in Bangladesh: Opportunities, Barriers and Policy Needs	M. Neaz Murshed, Ahmed Imtiaz Zamee

## **DAY-2: February 11, 2022, Friday**

Technical Session: TRE-V		<b>Transportation Engineering V</b> TIME: DAY-2/ 9:00-10:10		Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name	
V	TRE-4425	Identification and Analysis of Accident Black Spot: A Case Study of Chattogram City's Major Arterial Road	Qayem Ishrak Khan, Muhammad Faizul Karim and Sourav Das	
V	TRE-4200	Property Analysis of Induction Furnace Steel Slag for Use in Flexible Pavement	Mahiman Zinnurain, Sudipto Biswas Dipto	
V	TRE-4254	Investigating the Urban Informality in Space Beneath the Flyovers at Dhaka City: A Proposed Architectural Modular Design Framework	Mohammad Hamidur Rahman Sabbir, Umme Aymona Ali Amrita, and Abdullah Al Zubaer Evan	
V	TRE-4992	A Study of Climate Change Effects on a Typical Pavement Section	Fariha Ferdous Deeny, Rafi Hassan and Shah Md Muniruzzaman	
V	TRE-01145	Road Accidents and Mobility Patterns During the First Official Lockdown Period in Dhaka City: A Case of Covid-19	Sabah Hossain Iqra, Shahrin Islam and Armana Sabiha Huq	
V	TRE-01146	Exploring Critical Accident Factors of National Highways in Rural Areas of Bangladesh	Sarah Sultana, Armana Sabiha Huq and Syeda Aniq Anjum	
V	TRE-01124	Understanding The Driving Factors of Mass Transit Choice in Sylhet City: A Stated Preference Based Approach	Md. Shariful Islam, Md. Meheraj Uddin, Md Bashirul Haque and Md. Aminul Islam	

Technical Session: TRE-VI		<b>Transportation Engineering VI</b> TIME: DAY-2/ 12:00-12:50		Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name	
V	TRE-4647	An Analysis Between Khulna Old and New Railway Station Considering Functionality and Technological Measures	M. R. Khan, N. T. Nisha Q. Hamidul Bari	
V	TRE-01150	Parking Volume Study of Selected Locations; A Case Study on Khulna City	Md. Shariful Islam, Md. Mahadi Hashan, M. Asadujjaman	
V	TRE-4971	Proactive Safety Assessment of a Road Using Irap Tool: A Case Study	Md. Imran Uddin, Md Asif Raihan	
V	TRE-4473	Effects of Commercial Activities on Transportation Performance and Roadway Facilities in Urban Centers in Bangladesh: A Case Study on Oxygen to 2 No. Gate Road, Chattogram	Tanvir Mahmood, Saneul Alam, Maruf Hossain and Sourav Das	
V	TRE-4917	Short Time Traffic Flow Prediction using Kalman Filtering	Khondhaker Al Momin, Saurav Barua, Md. Shahreer Jamil, Omar Faruq Hamim	

Technical Session: TRE-VII		<b>Transportation Engineering VII</b>		Venue: Room <b>C</b> <b>CHITRA</b>
		TIME: DAY-2/ 15:00-16:30		
Mode	Paper ID	Paper Title	Authors Name	
V	TRE-4242	Mode Choice Preferences of Female University Students and Impacts of Ride-Sharing Thereon	Raisa Mehnaj, Afrida Raida and M. Neaz Murshed	
V	TRE-4749	Effect Of Covid-19 Lockdown on Traffic and The Crash Rate of National Highway: Evidence from Bangladesh	Md. Amirul Islam, Fahmida Hanif, Sumaiya Afrose Suma, Md Asif Raihan, Md. Hadiuzzaman	
V	TRE-4593	Hatirjheel Water-Taxi Service Improvements Considering Riders Pre-And-Post-Trip Mode Choice Characteristics	Md. Shoaib Chowdhury and Md. Owaid Hossain	
V	TRE-4524	Driving Behavior and Safety Research Using Driving Simulator in Bangladesh: Preliminary Learning and Observations	S. M. Sohel Mahmud, Omar Faruq Hamim, Md. Shamsul Hoque, Rich C. McIlroy, Katherine L. Plant and Neville A. Stanton	
V	TRE-4506	Impact of Covid-19 On Mode Choice Behavior: A Case Study for Dhaka, Bangladesh	Rohit Chakraborty, Tonmoy Paul, Salma Afia Ratri, Mithun Debnath	
V	TRE-01168	A Compendium of Covid-19 Consequences on Inland Waterway Accidents in Bangladesh	Mehjabeen Rubaiyat, Armana Sabiha Huq, Aninda Kumar Chowdhury and Md Saroar Jahan	
V	TRE-01127	Car Users Willingness to Change Travel Mode in Response to On Street Parking Pricing-A Case Study of Dhaka City	Farzana Rahman, Steve Evan Halder, Bourhan Uddin, Mirza Safayet Hossain	
V	TRE-01169	Bibliometric Analysis of Risk Assessment of Inland Maritime Accidents in Bangladesh	Md. Wahidur Rahman, Armana Sabiha Huq and Md. Sanwar Kader	
V	TRE-5082	Estimating The Contribution of Vehicle Composition on Air Pollution – A Case Study in Chittagong-Rangamati Highway	Nafisa Tabassum, A.F.S. Ahad Rahman Khan and Aohona Arefin	
P	TRE-4491	Design of a Traffic Control Signaling System at Bhanga Rastar Mor (T-Intersection), Faridpur	Md. Ashik Mahamud, Md. Ekhlas Uddin	

## **TRACK: GEOTECHNICAL ENGINEERING**

**DAY-1: February 10, 2022 Thursday**

Technical Session: GTE-I		<b>Geotechnical Engineering I</b>		Venue: Room <b>D</b> <b>BHAIRAB</b>
		TIME: DAY-1/ 15:40-16:30		<small>Click here</small>
Mode	Paper ID	Paper Title	Authors Name	
P	GTE-4218	Effect of Peak Ground Acceleration (PGA) on Liquefaction Behavior of Subsoil: A Case Study of Dinajpur Sadar Upazila, Bangladesh	Md. Mahabub Rahman, Md. Belal Hossain, Md. Roknuzzaman	
P	GTE-01155	Numerical Limit Analyses on Uplift Capacity of Horizontal Strip Anchor in Spatially Random Frictional Soil	Nibir Rahman, MD. Rokonuzzaman, Masum Shaikh and Mirza Mahamudul Hasan	
P	GTE-4812	Analytical Prediction of Capacity Variation for Isolated Footings Considering Adjacent Foundations	Md. Montaseer Meraz, Md. Tanjid Mehedi and Nusrat Jahan Mim	
V	GTE-4125	A Review on Soil-Concrete Interface Behaviour	Anika Baitullah, Md. Nur Alam Riad, Md. Imran Islam Rabbi, Akash Das	
V	GTE-4314	Risk Assesment of Sinkhole Occurrence in Bangladesh by Analyzing Trigger Factors of South Asian Sinkhole Collapse Incidents with Suggestions for Possible Preventive Measures	Fariha Tabassum, Fahim Imtiaz, Jahangir Alam, Tahsina Alam	

Technical Session: GTE-II		<b>Geotechnical Engineering II</b>		Venue: Room <b>D</b> <b>BHAIRAB</b>
		TIME: DAY-1/ 18:20-19:30		
Mode	Paper ID	Paper Title	Authors Name	
P	GTE-01154	Numerical Study on Uplift Capacity of Strip Plate Anchor in Spatially Random Cohesive Soil	Nibir Rahman, MD. Rokonuzzaman, Masum Shaikh and Mirza Mahamudul Hasan	
P	GTE-01120	Assessment of Liquefaction Hazards on the Bank of Padma River at Afsarsheikher Para by Means of Soils Particle Sizes and Spt-N Values	U. Saha, M. Moniruzzaman, S. Ferdous, K. R. Ahmed, B. Roy, K. R. Karim, S. K. Das and M. A. Uddin	
V	GTE-4356	Analyzing The Effect of Inorganic Salt Solution and Plasticity Index on The Undrained Shear Strength of Soils in A Coastal City of Bangladesh	Moumita Paul Aishi, Tasfia Mehedi, Md. Humayun Kabir	
V	GTE-4383	Stabilize The Soil Using a Combination of Rice Husks and Cement	Rafiuzzaman Sadi, Al Amin, Mayida Rubya Tithi, Md. Abul Kalam Azad, Imon Hasan Bhuiyan	
V	GTE-4737	Numerical Analysis on The Stability of Embankment Slopes Under Seismic Loading	Rubieyat Bin Ali, Md. Mofizul Islam	
P	GTE-01156	Effect of Shape on Pullout Capacity of Rectangular Anchor Foundation Embedded in Sloping Ground	Mirza Mahamudul Hassan, Md. Rokonuzzaman, Masum Shaikh, Nibir Rahman and Sayeedur Rahman	
V	GTE-4443	Grain-Scale Responses of a Granulate System During Cyclic Loading Using the Discrete Element Method	Md. Mahmud Sazzad	

## **DAY-2: February 11, 2022 Friday**

<b>Technical Session: GTE-III</b>		<b>Geotechnical Engineering III</b> TIME: DAY-2/ 12:00-12:50		<b>Venue: Room E</b> <b>RUPSHA</b>	
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>		
V	GTE-4440	Comparison of the Slope Stability Enhancement Measures from Bangladesh Perspective - A Review	Farhana Akter Meem, Tanjila Rashid Rhythy, Rizwanur Rahman, Jashia Islam		
V	GTE-01125	Evaluation of the Vertical Displacement of the Circular Foundation on the Overconsolidation Ground in Phu Quoc Island, Kien Giang Province, Viet Nam	Thy Truc Doan		
V	GTE-01101	Developing a Low-Cost Device for Preliminary Geotechnical Site Characterization Using Multi-Channel Analysis of Surface Wave	Ali Tarique Zaman, Nur Md. Robiul Hoque, Shriful Islam and Sudhindra Nath Biswas		
V	GTE-01131	Influence of Fly Ash and Polypropylene Fibre on the California Bearing Ratio of Fine-Grained Soil	Md. Ashikul Alam, Islam M. Rafizul		

<b>Technical Session: GTE-IV</b>		<b>Geotechnical Engineering IV</b> TIME: DAY-2/ 16:20-19:30		<b>Venue: Room E</b> <b>RUPSHA</b>	
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>		
V	GTE-01132	Stabilization of Soil using Chemical Compounds and their Comparative Analysis	Md. Assasujjaman Noor, Islam M. Rafizul		
V	GTE-01163	Comparison among the Compaction Parameters Obtained from Different Correction Methods for Soils Containing Oversize Particles	Anindya Amal Chakrabarty, Md. Rokonzaman, Masum Shaikh		
P	GTE-4116	Field Performance and Numerical Evaluation of Diaphragm Wall at Multi-Lane Road Tunnel under the River Karnaphuli in Bangladesh	Md. Minhajunnabi, Md. Aftabur Rahman, Opu Chandra Debanath		
V	GTE-01178	Field Study of Land Development at New Acquisition Land Site in KUET	Md. Julfikar Hossain, Md. Amar Bin Ibne Noman, Azmir Ahmed Sohel		
V	GTE-01128	Compressive Behaviour of Reconstituted Soils at High Initial Water Content: Case Study on South-Western Region of Bangladesh	A.S.M. Riyad, Islam M. Rafizul and Rezwana Kadir		

## **TRACK: WATER RESOURCES ENGINEERING**

**DAY-1: February 10, 2022 Thursday**

<b>Technical Session: WRE-I</b>		<b>Water Resources Engineering I</b> TIME: DAY-1/ 12:30-13:20		<b>Venue: Room <b>D</b></b> <b>BHAIRAB</b>
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>	
P	WRE-4317	Safe Drinking Water Source for Sustainable Water Supply in Urban Areas of Bangladesh: An impact Analysis on Public Health	Touhidur Rahman Tuhin, Nazmunnaheer Nipa, Md. Nakibul Hasan Khan	
V	WRE-4449	Design of Stormwater Drainage System for Patuakhali Pourashava using GeoSWMM	Navid Azam, Silwati Al Womera, Md. Ataur Rahman	
P	WRE-01110	Identifying Groundwater Recharge Potential Zones in Barind Tract of Bangladesh using Geospatial Technique	Md. Zahed Hossain, Sajal Kumar Adhikary	
P	WRE-4815	Target Vessel for Mongla Port of Bangladesh: Navigational Perspective	Md. Shahjahan Ali, Md. Motiur Rahman	
P	WRE-4152	Seasonal Variations and Impacts of Polders on Sedimentation Process and Distribution in GBM Delta	M Aminul Haque, Md. Jamal Haider, Delowar Hossain, Anisul Haque	

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<b>Technical Session: WRE-II</b>		<b>Water Resources Engineering II</b> TIME: DAY-1/ 16:50-18:00		<b>Venue: Room <b>D</b></b> <b>BHAIRAB</b>
<b>Mode</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Authors Name</b>	
P	WRE-5028	Environmental Flow Assessment in Water Quality Context – A Case Study	Md. Abu Sayed, Aysha Akter	
P	WRE-5055	Flood Prediction Using Modern Technological Approaches: A Review	Jannatul Tanjil , Mr. Md. Ajwad Anwar, Nazmus Salehin Asif, Sagor Ghosh	
P	WRE-4374	Siltation Rate Analysis at Berth Area of Mongla Port	Motiur Rahman, Md. Shahjahan Ali and Md. Mostafizur Rahman	
P	WRE-01121	Study of Land Surface Temperature (LST) at Naogaon District of Bangladesh	Md. Atik Fayshal and Md. Jahir Uddin, Md. Nazmul Haque	
P	WRE-4725	Study of the Off-Take Dynamics for Restoring the Old Brahmaputra River	Jakia Akter, Faria Nur, Maminul Haque Sarker	
V	WRE-4332	Variability and Trends of Climate Extremes over the Last 70 Years in Chattogram City, Bangladesh	Lia Pervin , Md. Sabbir Mostafa Khan	
P	WRE-4119	Environmental Impact of Dredging and Implementation of Environmental Management Plan: A Case Study on Dredging at the outer Bar of Mongla Port Channel	Motiur Rahman, Md. Shahjahan Ali, Md. Mostafizur Rahman and Jakia Akter	

**DAY-2: February 11, 2022 Friday**

Technical Session: WRE-III		<b>Water Resources Engineering III</b> TIME: DAY-2/ 9:00-10:10	Venue: Room <b>D</b> <b>BHAIRAB</b>
Mode	Paper ID	Paper Title	Authors Name
V	WRE-4428	An Experimental Study on The Stability of Shore Protection Revetment Using C.C. Block under Different Wave Action	Tm. Tanver Hossain, Silwati Al Womera, Md. Ataur Rahman
P	WRE-4762	Storm Surge Simulation of Cyclone Sidr and Variations of Sidr Type Cyclone Using MRI Storm Surge Model: A Bay of Bengal Context	Mohammad Soeb, Md. Shahjahan Ali and S. M. Quamrul Hassan
P	WRE-4920	Geomorphic Changes in the Inner Bar Area of Pussur River of Bangladesh due to Installation of Revetments: Modeling By DELFT3D	Shuvashis Sen Shuva, Md. Motiur Rahman, and Md. Shahjahan Ali
V	WRE-4278	Design of Urban Storm Water Drainage Network Using EPA SWMM and WMS	Siam Alam, Anika Yunus
V	WRE-4326	Development of Flood Inundation Map For 100 Years Return Period Using Hec-Ras 2d	Md. Mukdiul Islam, Md. Ataur Rahman
V	WRE-4437	Estimation of Hydrological Parameters for Designing Storm Water Drainage System at Bagerhat Pourashava	Afia Mahjabin , Onisha Haque, Md. Ataur Rahman, Silwati Al Womera
V	WRE-4527	Local Scour Analysis Around Single Pier and Group of Piers in Tandem Arrangement Using FLOW 3D	Md. Samiun Basir, Md. Mukdiul Islam, Badal Mahalder

Technical Session: WRE-IV		<b>Water Resources Engineering IV</b> TIME: DAY-2/ 12:00-12:50	Venue: Room <b>D</b> <b>BHAIRAB</b>
Mode	Paper ID	Paper Title	Authors Name
V	WRE-4599	Effects of Karnaphuli Paper Mill Effluents on the Karnaphuli River Water	Md. Mehedi Hassan, Md. Hazrat Ali, Shahariar Mahmud Ratul, Z.M. Mahin Kabir
V	WRE-4653	Sensitivity Analysis for the Galdit Method Dependent on The Evaluation of Saltwater Intrusion in The Southwest Region of Bangladesh	Tajul Islam and, Md. Abu Zafor
V	WRE-4128	Water Level Prediction of Bahadurabad Transit of Brahmaputra-Jamuna using Deep Learning Models	MD. IMRAN ISLAM RABBI, Md. Mehedi Hassan Galib, Asif Hasan, Simoom Sadik, Akash Das, An ika Baitullah, Aneeca Farzana, Murshida Munni
V	WRE-4311	A Multicriteria Analysis on Solar and Traditional Technologies in Irrigation Development	Md Al Asif, Nuzhat Rehnuma Naomi and Abul Fazal M. Saleh
V	WRE-4107	A Data-Driven Approach to Forecast Floods in Sylhet City Using Machine Learning and Deep Learning Techniques.	Foysol Mahmud, Abul Khayer, Musaddik Limon, Shabbir Ahmed Osmani



Technical Session: WRE-V		<b>Water Resources Engineering V</b> TIME: DAY-2/ 15:00-16:30		Venue: Room <b>D</b> <b>BHAIRAB</b>
Mode	Paper ID	Paper Title	Authors Name	
V	WRE-4482	Hydrological Assessment and Flood Inundation Mapping for Flood Plain of Padma River Using HEC-RAS 2D	Saima Binte Zia, Silwati Al Womera, Md. Aatur Rahman	
V	WRE-01108	Geo-Bags Effects on Meandering Section against Bank Erosion: A Case Study of Dharla River	M. Mubtasim Fuad Dip, Md. Jahir Uddin, and Mahmud Hasan	
V	WRE-4758	Assessment of Groundwater Vulnerability of Sylhet District, Bangladesh by Sintacs Model Using GIS	Anjon Das, Bushrak Ahmad	
V	WRE-4398	Applicability of Energy Based and Stress Based Headcut Migration Model to Earthen Embankment with Stratified Sub-Surface.	Md Masum Billah , Junji Yagisawa	
V	WRE-4761	Drought Assessment Based on Monthly TRMM Rainfall Data Using Standardized Precipitation Index for Rajshahi Division, Bangladesh	Anjon Das, Bushrak Ahmad, Subrata Bhattacharjee	
V	WRE-01126	Assessment of the Hydraulic Geometry of The Upper Meghna River in Bangladesh	Niloy Das and Md. Reaz Akter Mullick	
V	WRE-4620	Performance Analysis of Culverts Along the N105 Bypass Road Using HY-8 Software for Future Climate Scenario	Wasif Bin Mamoon, Shadman Kaiser, AKM Saiful Islam	
V	WRE-5064	Estimation Of Surface Runoff Using Nrcs and Rational Method	M. J. Alam, J. Chowdhury, R. M. A. Hossain, E. Shil, A. Dhar, P. Chowdhury, and M. H. Masum	

Technical Session: WRE-VI		<b>Water Resources Engineering VI</b> TIME: DAY-2/ 16:50-18:00		Venue: Room <b>D</b> <b>BHAIRAB</b>
Mode	Paper ID	Paper Title	Authors Name	
V	WRE-4206	Hydraulic Characteristics of Flow due to Different Lengths of a Combined Groin in a Straight Open Channel	Lal Babu Ray, Mohammed Alauddin, Mst. Rumana Easmin, Jakaria Mahmud	
V	WRE-4458	Experimental Investigation on Wave Interaction with Submerged Geotube Breakwater	Sk. Muhammad Asif and Md. Aatur Rahman	
V	WRE-4596	Effects of Salinity Intrusion and Pollution on The Carps Sanctuary Halda River	Md. Mehedi Hassan1, Md. Hazrat Ali, Md. Mofizul Hossain, Pranab Shaha	
V	WRE-4968	Rainfall-Runoff Simulation of Khowai River Basin Using HEC-HMS Model	Faria Nur, Kazi Mushfique Mohib, Umme Tahmina Toma, Proma Maria Rozario, Md. Sazzadul Bari, Nishat Anjum and Fardini Khandakar	
V	WRE-5016	Experimental Study of Local Scour Around an Oblong Shape Pier for Different Angles with The Flow	Ovi Ranjan Saha, A.T.M. Hasan Zobeyer	
V	WRE-4776	Socio-Technical Performance Evaluation of Rainwater Harvesting Options as An Alternative Water Source in Southwestern Coastal Region of Bangladesh	Navila Afsari, Sonia Binte Murshed, Sayed Mohammad Nazim Uddin, Md. Monzurul Hasan	
V	WRE-4803	Climate Change Projection Over Southwest Coastal Region of Bangladesh Using Statistical Downscaling Model	Md. Masud Rana, Sajal Kumar Adhikary	

**TRACK(S): i) FIRE SAFETY ENGINEERING  
ii) CONSTRUCTION ENGINEERING & MANAGEMENT**

**DAY-2: February 11, 2022 Friday**

Technical Session: FSE-I		<b>Fire Safety Engineering I</b> TIME: DAY-2/ 9:30-10:10		Venue: Room <b>E</b> <b>RUPSHA</b>
Mode	Paper ID	Paper Title	Authors Name	
P	FSE-5010	Fire Risk Assessment of Multi-Storied Buildings at a Residential Area in Khulna City	Khandaker Nabil Ahmed, Fahim Shahriar Sakib	
V	FSE-4179	A Comparison Study on Characteristic Behaviour of Hot-Rolled Beams of Carbon Steel and Stainless Steel Under Standard Fire	Tripta Bhattacharjee, Saefa Rubaiyet Nowmi, Mehedi Hassan Bhuiyan, Shameem Ahmed	
V	FSE-4422	Fire Risk Assessment of Industrial Units using Integrated Delphi-Entropy Approach in Chattogram City Corporation Area	Irfat Kabir, Joynta Das and Sourav Das	
V	FSE-01161	Fire Performance of Reinforced Concrete Produced with Waste Ceramic Powder as A Partial Replacement of Cement	Md. Masud Rana, H. M. Iqbal Mahmud and Tanvir Ahmed	

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Technical Session: CEM-I		<b>Construction Engineering &amp; Management I</b> TIME: DAY-2/ 16:50-18:00		Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name	
V	CEM-4662	Green Building Construction in the Modern World: A Critical Review	Ovirup Basak Dipta, Sultan Ul Iffat Uday and Showaib Ahmed Chowdhury	
V	CEM-4941	Potential Of Using Plastic Wastes as Coarse Aggregates in Concrete	Mohammad Al Amin Siddique, Md. Mehedi Hasan, Md. Tahsin Mahmud	
V	CEM-4446	An Investigation of the drawbacks of production of eco-friendly bricks and the reasons of the limited uses among the public in Bangladesh	Mahfuz Alam, Uday Das	
P	CEM-4848	Rethinking The Structural Intervention to Revitalize Urban Heritages in The Context of Khulna	M.R. Khan, N.Sarkar and S.A. Tisa	
V	CEM-4335	Prospect of Biopolymer Application for Sustainable and Durable Earthen Structures in Context of Bangladesh: A Brief Review	Emu Ghosh, Syfullah Fahim, Md. Nayeem Khan Shahariar and Tahsina Alam	

Technical Session: CEM-II		<b>Construction Engineering &amp; Management II</b> TIME: DAY-2/ 18:20-19:30		Venue: Room <b>C</b> <b>CHITRA</b>
Mode	Paper ID	Paper Title	Authors Name	
V	CEM-4281	Studying Challenges of Recycling Building Materials for Sustainable Construction in The Context of Bangladesh	M.R.Khan, P.S.Anik, A.Rahman and M.S.R.Shovon	
V	CEM-4893	Exploring Vernacular Building Technology as A New Model for Sustainable Future: Mru Tribe's Building Form as Case Study	M.S.R.Shovon, M.R.Khan, P.S.Anik and A.Rahman	
V	CEM-4338	An In-Depth Review to Establish Guidelines for A New Light Frame Panelized Roof Manufacturing with High Thermal Performance	Md Saiful Islam, Yuxiang Chen and Y.H Chui	
V	CEM-4911	Addressing the Colonial Identity of Heritage Buildings Through Evaluating Their Structural Components: A Case Study of Rangpur City	Anika Sharmila, Urmi Das, and Kawshik Saha	

# ICCESD 2022

## Closing Ceremony & Conference Dinner

On behalf of the organizing committee, we cordially request your accompany at the Closing Ceremony and Conference Dinner of ICCESD 2022 to be held in accordance with the following schedule.

**Venue** : Department of Civil Engineering, KUET, Khulna  
**Date** : 11 February 2022 Friday  
**Time** : 7:30 PM

**Professor Dr. Kazi ABM Mohiuddin**  
Conference Secretary, ICCESD 2022



**Professor Dr. Md. Shahjahan Ali**  
Conference Chair, ICCESD 2022

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## PHYSICAL VENUE (CLOSING CEREMONY)

### VENUE

**DEPARTMENT OF CIVIL ENGINEERING, KUET**

## VIRTUAL VENUE (CLOSING CEREMONY)

VENUE	VENUE CODE	ZOOM LINK
<b>A</b>	<p>Click here</p> <p><b><u>MAYUR</u></b></p>	<p>Direct Link:</p> <p><a href="https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPd209">https://bdren.zoom.us/j/61432472744?pwd=OUJYQnNoUjhNVk1qMkhtT0FvMThPd209</a></p> <p>ZOOM ID: <b>614 3247 2744</b></p> <p>PASSCODE: <b>1111</b></p>

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# PROGRAM SCHEDULE

6<sup>th</sup> INTERNATIONAL CONFERENCE ON  
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