

ICCESD 2026



8th International Conference on Civil Engineering for Sustainable Development



Organized by



Department of Civil Engineering
Khulna University of Engineering & Technology

Sponsored by

5-7 February 2026
Khulna, Bangladesh



SEVEN RINGS
CEMENT

PROGRAM SCHEDULE

ICCESD 2026

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Program Schedule

(Hybrid Mode: Physical & Virtual)

February 4, 2026 Wednesday

Time	Venue	Event
16:30-18:30	CE Building	Physical Reporting, Collection of Conference Kits

Day 1: February 5, 2026 Thursday

Time	Venue	Event
08:00-09:00	CE Building	Physical Reporting, Collection of Conference Kits
09:00-10:20	Auditorium & Zoom	Inaugural Ceremony of ICCESD 2026
10:20-11:00	Auditorium	Refreshment
11:00-12:30	Auditorium & Zoom	Keynote Session
13:00-14:20	CE Building	Prayer & Lunch
14:20-16:00	CE Building & Zoom	Technical Sessions (A1, B1, C1, D1, E1, F1, G1)
16:00-16:30	CE Building	Prayer & Tea
16:30-18:00	CE Building & Zoom	Technical Sessions (A2, B2, C2, D2, E2, F2, G2)

Day 2: February 6, 2026 Friday

Time	Venue	Event
08:15-08:50	CE Building	Snacks, Physical Reporting & Collection of Conf. Kits
09:00-10:30	CE Building & Zoom	Technical Sessions (A3, B3, C3, D3, E3, F3, G3)
10:30-11:00	CE Building	Tea
11:00-11:50	CE Building & Zoom	Keynote Session
11:50-12:50	CE Building & Zoom	Technical Sessions (A4, B4, C4, D4, E4, F4, G4)
12:50-14:40	CE Building/Mosque	Friday Prayer & Lunch
14:40-16:00	CE Building & Zoom	Technical Sessions (A5, B5, C5, D5, E5, F5, G5)
16:00-16:30	CE Building	Prayer & Tea
16:30-18:00	CE Building & Zoom	Technical Sessions (A6, B6, C6, D6, E6, F6, G6)
18:00-19:00	CE Building	Prayer
19:00-22:00	CE Building	Closing Ceremony & Conference Dinner

Day 3: Conference Tour - February 7, 2026 Saturday

Time	Reporting	Event
07:30-19:00	07:15 at CE Building	Conference Day Tour



Welcome Address

Dear Distinguished Scholars,

Warm greetings!

It is my great pleasure to welcome you to the 8th International Conference on Civil Engineering for Sustainable Development (ICCESD 2026), being held at KUET, Bangladesh, during 5–7 February 2026. On behalf of the Organizing Committee, I sincerely thank you for your participation, enthusiasm, and continued support for this conference.

ICCESD has grown steadily over the years into a recognized platform for sharing research, innovation, and professional experience in the field of civil engineering and sustainable development. To enhance global participation and connectivity, ICCESD 2026 is being conducted in a hybrid mode, combining on-site sessions at KUET with a dedicated virtual platform. This arrangement allows participants from different parts of the world to present their work, engage in technical discussions, and network effectively, regardless of geographical location.

We would like to express our deep gratitude to all individuals and organizations who have contributed to the successful organization of this conference. Special appreciation is extended to the reviewers, whose rigorous and timely evaluations of the submitted manuscripts ensured the academic quality of the conference. We are also sincerely thankful to the members of the Organizing Committee, whose dedication, time, and tireless efforts in planning, promoting, and coordinating the conference have been instrumental to its success.

We hope that you will find this conference intellectually stimulating, professionally rewarding, and personally enjoyable. We also warmly invite you to join us again at the next ICCESD conference in 2028.

Once again, thank you for your valued presence, continued interest, and unwavering support of ICCESD.

On behalf of the Organizing Committee,

Prof. Dr. Quazi Hamidul Bari
Conference Chair, ICCESD 2026
Department of Civil Engineering
Khulna University of Engineering & Technology
Khulna-9203, Bangladesh



Warm Tips

1. For your property safe, please take good care of your valuables during the entire conference.



2. The conference organizer does not assume any responsibility for your personal losses.
3. For personal and property safety of delegates, please wear the conference Representative Card when enter and exit the venue. and wear it near the conference venue. Do not lend your card to someone unrelated to the conference. Do not bring unrelated people into the venue.



4. Please do not discard the delegates' card casually.



Presentation Guidelines

➤ Time Zone

Bangladesh Standard Time (GMT+6)

➤ Formal Day(s) (Physical & Virtual)

In physical mode, the presenters are requested to submit the PPT file to the venue manager before 15 minutes of scheduled time of the corresponding session.

Regular oral presentation: about **07** minutes for presentation and **03** minutes for Q&A.

We would appreciate if all presenters can adhere strictly to this time limit allocated by the session chair.

➤ Virtual Platform

Zoom platform will be used for the virtual sessions.

How to enter the meeting room: Please click “**Join a Meeting**”, copy the Meeting ID and Rename your name with this format (**Paper ID + Name**).

➤ Equipment

A computer with an internet connection (wired connection recommended) for virtual mode participant
USB plug-in headset with a microphone (recommended for optimal audio quality) Webcam: built-in or USB plug-in

➤ Conference Awards

Certificate of participation will be given to each presenter at the end of each session by session chair. Best presentation will be selected from each track. Winners will be announced during the closing ceremony.



Conference Overview

Day 1: February 5, 2026 Thursday

Mode	Physical					Virtual		
Venue	Auditorium	Venue-A CE Building	Venue-B CE Building	Venue-C CE Building	Venue-D CE Building	Venue-E CE Building	Venue-F CE Building	Venue-G CE Building
Time	Auditorium	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
08:00-09:00	Physical Reporting, Collection of Conference Kits							
09:00-10:20	Inaugural Ceremony	--	--	--	--	--	--	--
10:20-11:00	Refreshment	--	--	--	--	--	--	--
11:00-12:30	Keynote Session	--	--	--	--	--	--	--
13:00-14:20	--							
14:20-16:00	--	A1	B1	C1	D1	E1	F1	G1
16:00-16:30	--							
16:30-18:00	--	A1	B1	C1	D1	E1	F1	G1

Day 2: February 6, 2026 Friday

Mode	Physical				Virtual		
Venue	Venue-A CE Building	Venue-B CE Building	Venue-C CE Building	Venue-D CE Building	Venue-E CE Building	Venue-F CE Building	Venue-G CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
08:15-08:50	Complementary Snacks & Collection of Conference Kits						
09:00-10:30	A3	B3	C3	D3	E3	F3	G3
10:30-11:00	Tea Break						
11:00-11:50	Keynote Session						
11:50-12:50	A4	B4	C4	D4	E4	F4	G4
12:50-14:40	Friday Prayer & Lunch						
14:40-16:00	A5	B5	C5	D5	E5	F5	G5
16:00-16:30	Prayer & Tea						
16:30-18:00	A6	B6	C6	D6	E6	F6	G6
18:00-19:00	Prayer						
19:00-22:00	Closing Ceremony & Conference Dinner						



Technical Sessions Schedule

Day 1: February 5, 2026 Thursday

Mode	Physical Venue				Virtual Venue		
Venue	Venue -A CE Building	Venue -B CE Building	Venue -C CE Building	Venue - D CE Building	Venue -E CE Building	Venue -F CE Building	Venue -G CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
Track	STE-I	ENV-I	TRE-I	WRE-I	ENV-v1	STE-v1	TRE-v1
14:20-16:00	1465	3	16	21	179	286	93
	24	12	26	20	191	15	112
	85	31	145	25	278	54	143
	107	32	319	50	302	80	153
	109	56	322	84	324	111	155
	130	69	341	159	345	144	279
	166	149	444	223	349	231	284
	185	197	450	318	1201	252	285
	247	710		337		259	307
			379		334	308	
Track	STE-II	ENV-II	TRE-II	WRE-II	ENV-v2	WRE-v1	TRE-v2
16:30-18:00	304	233	540	438	389	1171	333
	380	251	472	579	443	19	343
	417	264	518	587	492	23	351
	479	277	682	589	586	126	355
	508	306	714	677	594	156	362
	510	329	788	784	651	227	367
	511	91	790	796	659	228	447
	512	365	810	860	664	235	459
	514				381	238	1452
					263		



Technical Sessions Schedule

Day 2: February 6, 2026 Friday

Mode	Physical Venue				Virtual Venue		
VANUE	Venue - A CE Building	Venue - B CE Building	Venue - C CE Building	Venue - D CE Building	Venue - E CE Building	Venue - F CE Building	Venue - G CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
Track	STE-III	ENV-III	GTE-I	ADBE-I	ENV-v3	STE-v2	TRE-v3
9:00- 10:30	555	435	275	225	668	338	467
	644	436	293	234	680	342	473
	679	445	456	241	681	469	599
	737	453	570	394	718	481	634
	768	468	944	535	764	553	652
	772	498	1264	655	775	576	745
	791	524	1284	1077	803	647	759
	807 957	566 602	757	1219 1367	834 954	739 1148	767 42
Track	STE-IV	ENV-IV	TRE-III	CEM-I	ENV-v4	TAG-v1	GTE-v1
11:50- 12:50	289	621	486	53	886	167	101
	1019	622	924	549	895	359	134
	1031	649	948	811	900	565	171
	1067	674	1013	1079	961	899	356
	1097	694	1179	1091	966	1119	464
	1158	697	1241			1348	615
Track	STE-V	ENV-V	TAG-I	ENV-VI	ENV-v5	STE-v3	TRE-v4
14:40- 16:00	1177	61	1267	882	1050	741	792
	1207	738	1298	993	1180	914	911
	1224	750	1344	1071	1184	938	932
	1225	769	1463	1103	1223	1092	981
	1255	776		1137	1233	1240	1081
	1292	786		1183	1248	1286	1168
	1333	872		1185	1307	1331	1217
	1417	880					
Track	TAG-II	ENV-VII	WRE-III	ENV-VIII	TAG-v2	WRE-v2	TAG-v3
16:30- 18:00	374	97	968	1309	1435	300	903
	1424	1193	1329	1326	582	301	1231
	1425	1197	1442	1393	1246	387	1355
	1454	1214	1448	1412	1269	418	1390
	1455	1229	1449	1421	1321	491	1406
	1466	1234	1450	1427	1443	684	1413
	1468	360	1467	1431	1446	1163	1433
	1469	1281		1438	1470	1175	1434
	1472	1305		1440	1471	1211	1436



8th International Conference on Civil Engineering for Sustainable Development

8th International Conference on Civil Engineering for Sustainable Development (ICCESD 2026)



Inaugural Ceremony



Thursday, 5 February 2026 at 9:00 AM

Venue: Auditorium, Khulna University of Engineering & Technology (KUET), Khulna

With great enthusiasm and pleasure, we invite you to the Inaugural Ceremony of the 8th International Conference on Civil Engineering for Sustainable Development (ICCESD 2026). Professor Dr. Md. Maksud Helali, Vice-Chancellor, Khulna University of Engineering & Technology, has given his kind consent to be present as the Chief Patron of the conference. Professor Dr. A. B. M. Badruzzaman, Vice-Chancellor, Bangladesh University of Engineering and Technology, has agreed to be present as the Chief Guest in the program. Md. Khalequezzaman Choudhury, Chief Engineer, Public Works Department shall be present as the Special Guest.

Your gracious presence is cordially solicited on this auspicious occasion.

Professor HM Iqbal Mahmud, PhD
Conference Secretary, ICCESD 2026

Professor Dr. Quazi Hamidul Bari
Conference Chair, ICCESD 2026

Program Schedule

Date & Time: 5 February 2026, Thursday at 9.00 AM

Venue: KUET Auditorium

- 9:00 – Arrival of Invited Guests
- 9:20 – Invited Guests take their seats
- 9:30 – National Anthem
- 9:35 – Welcome Address by the Conference Chair: Professor Dr. Quazi Hamidul Bari
- 9:40 – Address by the Special Guest: Md. Khalequezzaman Choudhury
Chief Engineer, PWD
- 9:50 – Address by the Chief Guest: Professor Dr. A. B. M. Badruzzaman,
Vice-Chancellor, BUET
- 10:05 – Address by the Chief Patron of the Conference: Professor Dr. Md. Maksud Helali,
Vice-Chancellor, KUET
- 10:20 – Refreshment
- 11:00 – Presentation on Keynote – I
- 11:45 – Presentation on Keynote – II
- 12:30 – End of Keynote Session



Organized by,
Department of Civil Engineering
Khulna University of Engineering & Technology, Khulna



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PHYSICAL VENUE



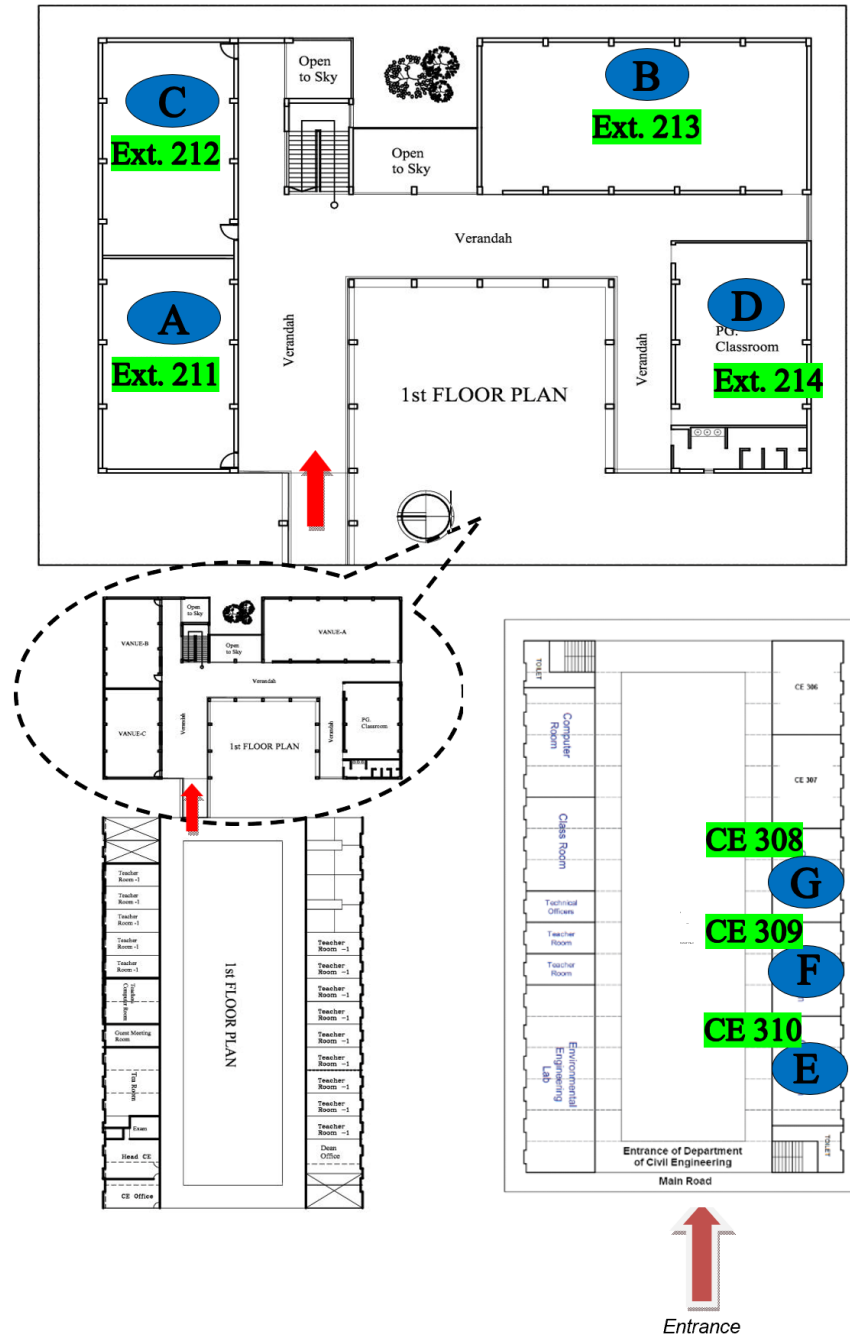
Physical Venue of Inaugural Ceremony: **AUDITORIUM, KUET**

Physical Venue of Technical Session(s): **CE BUILDING, KUET**

Physical Venue of Closing Ceremony: **CE BUILDING, KUET**



PHYSICAL VENUE OF CE BUILDING (TECHNICAL SESSIONS)





VIRTUAL VENUE (INAUGURAL CEREMONY)

VENUE	ZOOM LINK
Auditorium (KUET)	Direct Link: https://bdren.zoom.us/j/97033021422?pwd=HabUorVCRVIjPWS3Hbrk2VtwBRianD.1 ZOOM ID: 970 3302 1422 PASSCODE: 0000

VIRTUAL VENUE (TECHNICAL SESSIONS)

VENUE	ROOM NO	ZOOM LINK
E	CE 310	Direct Link: https://bdren.zoom.us/j/97033021422?pwd=HabUorVCRVIjPWS3Hbrk2VtwBRianD.1 ZOOM ID: 970 3302 1422 PASSCODE: 0000
F	CE 309	Direct Link: https://bdren.zoom.us/j/99267076419?pwd=9JWqgYJYpefouEhbFAI0doC7OwzHLE.1 ZOOM ID: 992 6707 6419 PASSCODE: 1111
G	CE 308	Direct Link: https://bdren.zoom.us/j/95918412117?pwd=ootiQ4YieV3TBnmO1hJkCuXLJ8Xryy.1 ZOOM ID: 959 1841 2117 PASSCODE: 2222



PROGRAM SCHEDULE OF KEYNOTE(S)

Keynote - 1

February 5, 2026 Thursday

Time (GMT+6): 11:00 – 11.45

Keynote Topic:

“Physicochemical and Rheological Properties of Asphalt: Linking Material Science to Pavement Performance”

Keynote Speaker:

Prof. Dr. Zahid Hossain, Arkansas State University, Jonesboro, Arkansas, USA.

Dr. Zahid Hossain is a Professor of Civil Engineering at Arkansas State University, Jonesboro, Arkansas, USA. He also serves as the Director of Graduate Programs (Civil, Electrical, and Mechanical) in Engineering at the same university. He also served as an Associate Director of a regional University Transportation Center. His research has been funded by different agencies such as the National Science Foundation, the US Department of Transportation (USDOT), the National Aeronautics and Space Administration (NASA), and the Arkansas Department of Transportation (ARDOT). He has about 20 years of experience in developing sustainable transportation materials through mechanistic and surface science techniques. He has authored over 100 peer-reviewed articles and delivered over 200 technical presentations at national and international level conferences and symposia. Dr. Hossain has served as an Editor/Member of several scientific boards, such as the American Society of Civil Engineers (ASCE), American Standards of Testing and Evaluation (ASTM), Transportation Research Board (TRB), and Springer. Dr. Hossain is a registered Professional Engineer (PE) in the state of Arkansas. He is an ASCE Fellow. He is also an ABET-certified Program Evaluator.



Venue:

Physical: Auditorium (KUET)

Virtual:

Direct Zoom Link:

<https://bdren.zoom.us/j/97033021422?pwd=HabUorVCRVIjPWS3Hbrk2VtwBRianD.1>

ZOOM ID: 970 3302 1422

PASSCODE: 0000



Keynote - 2

February 5, 2026 Thursday

Time (GMT+6): 11:45 – 12:30

Keynote Topic:

“Water and Flood Management in Bangladesh”

Keynote Speaker:

Prof. Dr. M Monowar Hossain, Former Rector, Engineering Staff College, Bangladesh.

Dr. M. Monowar Hossain completed his B.Sc. in Civil Engineering and M.Sc. in Water Resources Engineering from BUET and earned his PhD in Hydraulics from the University of Strathclyde, UK, as a Commonwealth Scholar. He previously served as Executive Director of the Institute of Water Modelling (IWM) under the Ministry of Water Resources, Government of Bangladesh, and spent 35 years at BUET, where he held senior academic and administrative positions including Dean of the Faculty of Civil Engineering and Head of Department. As Rector and CEO, Prof. Hossain reformed Engineering Staff College, Bangladesh (ESCB)’s administration, ensured staff accountability, supervised all training programs, and significantly increased institutional turnover. He has contributed to national policy through roles in the National Water Resources Council, Joint Rivers Commission, and Boards of BWDB and RRI, and has collaborated with institutions such as TU Delft, the University of Washington, and Tufts University. He has supervised over 50 postgraduate theses, published around 150 technical papers, and received major awards including the South Asia Water Leadership Award and the Civil Engineering Excellence Award (USA)



Venue:

Physical: Auditorium (KUET)

Virtual:

Direct Zoom Link:

<https://bdren.zoom.us/j/97033021422?pwd=HabUorVCRVIjPWS3Hbrk2VtwBRianD.1>

ZOOM ID: 970 3302 1422

PASSCODE: 0000



Keynote - 3

February 6, 2026 Friday

Time (GMT+6): 11.00 –11.45

Keynote Topic:

“From Theory to Impact: Translating Research into Sustainable Infrastructure”

Keynote Speaker:

Ehsan Yaghoubi, Associate Professor, Victoria University, Melbourne, Australia

Ehsan Yaghoubi is an Associate Professor of Civil Engineering whose research focuses on experimental, numerical, and full-scale field investigations in road infrastructure, with particular emphasis on asphalt performance and pavement geotechnics. He leads the Geotechnical, Rock Mechanics and Pavement Research Group, with a strong focus on sustainable and recycled materials. Before joining academia, Ehsan worked as a Geotechnical and Pavement Engineer on more than 40 infrastructure projects across Australia. Ehsan is a Chartered Professional Engineer (CPEng) with Engineers Australia in Civil and Geotechnical Engineering. Since 2020, he has secured more than \$3.2 million in competitive research funding as lead or chief investigator. His work bridges theory and practice, delivering new scientific insights while demonstrating how innovative and sustainable pavement solutions can be translated into real-world infrastructure through full-scale field trials. His research is underpinned by extensive industry experience in geotechnical and pavement engineering, including project management, design, and field supervision of transport infrastructure projects.



Venue:

Physical: Room No.: Ext. 213, Civil Engineering Building, KUET

Virtual:

Direct Zoom Link:

<https://bdren.zoom.us/j/99267076419?pwd=9JWqgYJYpefouEhbFAI0doC7OwzHLE.1>

ZOOM ID: 992 6707 6419

PASSCODE: 1111



Technical Sessions Presentation Schedule

Day-1: February 5, 2026 Thursday

Technical Session (Physical)	Track: Structural Engineering-I (STE-I) (Venue - A: Room No. Ext. 211) Time: 5 Feb. 2026, 14:20-16:00			
	Time	Paper ID	Paper Title	Author(s) Name
	14.20-14.30	1465	Integrated Assessment of Pavement Condition Using Visual Inspection and Drainage Quality Index in Rajshahi City	N. Tasnim , M. M. Rana and N. H. M. K. Serker
	14.30-14.40	24	Performance Evaluation of CFRP-Retrofitted Circular T-Joints Under Damage and Elevated Temperature Conditions	S. M. Zahurul Islam, Faruque Abdullah , Tasbirul Hussain and Salma Anika
	14.40-14.50	85	Behaviour of Shear Lag of Peripheral T-Shaped Shear Wall in Framed Tube Structures	Debashis Mallick , Mohammad Al Amin Siddique
	14.50-15.00	107	Exploring Strength Conversion Factors of Recycled Aggregate Concrete Sourced from Pile Cap	Md. Nur Alam Riad, Sree Subrato Kumar Paul, Ismail Hossain Sondhi and Shahrier Islam
	15.00-15.10	109	Mechanical Response of Brick Aggregate Concrete Using Diverse Gradations and Mix Ratios	Robiul Islam , Md. Sweet Hossain and Mohammad Abdur Rashid
	15.10-15.20	130	Seismic Response Analysis of a High-Rise RC Building in Sylhet: Influence of Shear Wall Placement Based on BNBC 2020	Safaet Al Sifat, Nabil Ishmam Siddiquee, Farzana Khan and Md. Moshir Rahman
	15.20-15.30	166	Recycling Steel Scrap in Concrete: A Machine Learning Approach for Predicting the Compressive Strength	Rhad – E - Parsa, Md. Asar Uddin and Md. Mehedi Hassan Galib
	15.30-15.40	185	Effect of Supplementary Cementitious Materials on Recycled Concrete Aggregate: A State-of-the-Art Review	Mahdi Muntasir, Souvik Roy, Shourov Kumar, Ahnaf Samir and Nishatee B Shahid
	15:40-15:50	247	Microbial and CO ₂ -Reactive Cement Chemistry Synergy for Autonomous Crack Healing and Carbon Sequestration in Subsurface Wells	Tashdeed Rifa Raisa , Nowrin Afrin and Afsana Khanom Monika



Technical Session (Physical)	Track: Environmental Engineering-I (ENV-I) (Venue - B: Room No. Ext. 213) Time: 5 Feb. 2026, 14:20-16:00		
Time	Paper ID	Paper Title	Author(s) Name
14.20-14.30	3	Numerical Modelling of Continuous-Biowaste Composting Under Upward Forced Aeration in a Closed System	Md. Al Amin , Quazi Hamidul Bari
14.30-14.40	12	Evaluating Urban Small Scale Nature-Based Solution for Carbon Storage, Pollution Reduction, and Heat Mitigation	Md Tashdedul Haque , Miguel Robles Enrico, Yugyoeng Oh, Lee -Hyung Kim
14.40-14.50	31	Assessment of BOD and COD Relationships in Different Wastewater	Md. Kamruzzaman Khan , Md- Kamrul Hasan, Dr. Md. Saiful Islam
14.50-15.00	32	Prediction of Land Use Dynamics in Dhaka City Using Remote Sensing and Ca-ANN Modeling	Amit Sarker , Md. Sabbir Hosen, Nishat Tasnim Archi and Akramul Haque
15.00-15.10	56	Integrated Flood Risk Modeling in Chalan Beel, Bangladesh: A Weighting-Based Geospatial Approach	Jubaed Islam, Zahid Hasan, Hossain Md Abdullah, Sajib Sarker
15.10-15.20	69	Spatial and Temporal Analysis of Landsat Images to Explore LULC, LST, NDVI and NDWI Changing Pattern Using Geospatial Techniques: A Case Study of Dhaka District, Bangladesh	Mithun Saha , Md. Shihab Shahriar Saaj
15.20-15.30	149	Designing an Urban Drainage Network for Stormwater Management: A GIS-SWMM Application in Bogura, Bangladesh	Kazi Kaif, Mst. Mun Mun Nahar, Md. Abu Sayed and Md. Rafiul Islam Mridu
15.30-15.40	197	Attribution of Major Flood Events in Bangladesh Rivers to Human-Induced Climate Change: A Large-Ensemble Model-Based Analysis	Mithu Bhowmik, Robiul Islam and Shahab Uddin
15.40-15.50	710	Multi-Criteria Earthquake Risk Mapping Using Geospatial Techniques and AHP in the Chittagong Hill Tracts	M. A. Subah , M.R.U. Bhuiyan, S. Das



Technical Session (Physical)	Track: Transportation Engineering-I (TRE-I) (Venue - C: Room No. Ext. 212) Time: 5 Feb. 2026, 14:20-16:00		
	Time	Paper ID	Author(s) Name
14.20-14.30	16	Predicting Paratransit Crash Severity Using Machine Learning: A Case Study of Gazipur, Bangladesh	Joydeep Banik , Arman Hossain, Md. Hossain Manik, Md Sifat Bin Siraj, Armana Sabiha Huq
14.30-14.40	26	Service Quality Perceptions at Major Bus Terminals of Dhaka, Bangladesh Using Random Parameter Ordered Probit Model	Mahibul Taohid Aditya , Md Bayezid, Sharbuni Akter, and Shajute Sharker
14.40-14.50	145	Evaluating MRT Scheduling in Dhaka: A Dynamic, Data-Driven Approach Using Genetic Algorithm and Deep Learning Methods	Kazi Azmain Awsaf , A.H.M. Fuad, Arnab Raha
14.50-15.00	319	Latent Traits Influencing Perceived Risk and Risk-Taking Behavior of Pedestrians in Dhaka: Insights from A Structural Equation Modeling Study	Oishik Majumder , Rubaiyat Sharmin Ira, Mahin Hasan Khan, Md Raihan Bin Mostafij and Anika Tasnim
15.00-15.10	322	A Comprehensive Review of Pedestrian Trajectory Extraction from Video Data: Methods, Applications, and Research Directions	Sabuj Biswas , Mahdi Muntasir and Md Asif Raihan
15.10-15.20	341	Investigation into the Effects of Traffic-Induced Moving Loads on Flexible Pavement: A 3D Finite Element Approach	Md. Nazmul Hossain , Zafir Raian, Nirmal Chandra Roy and Mahajabin Islam
15.20-15.30	444	Behavioral Drivers of Battery Rickshaw Preference: Consumer Acceptance, Safety Risks, and Regulatory Frameworks	Mostafijur Rahman Farhad , Talha Islam, Sadman Sakib and Anika Tasnim
15.30-15.40	450	Statistical Modelling for Temporal Variation of Traffic on Jamuna Bridge by Vehicle Category Using Time Series Data	Riaz Uddin Ahmed, Mohmodul Hasan Tamim , Annesha Enam



Technical Session (Physical)	Track: Water Resources Engineering-I (WRE-I)		
	(Venue - D: Room No. Ext. 214) Time: 5 Feb. 2026, 14:20-16:00		
Time	Paper ID	Paper Title	Author(s) Name
14.20-14.30	21	Bay of Bengal's Emerging Challenge: Integrated Modeling of Sediment Dynamics and Future Sea Level Rise	Md. Emtious Hossain, Abdullah-Al-Fahad, Ragib Noor Srijan, Md. Mahfuz Alam, Md Sadman Sakib, Bulbul Ahmed
14.30-14.40	20	Aquifer Salinization Patterns and Freshwater Pockets in the Khulna Coastal Region	Md. Emtious Hossain, Abdullah-Al-Fahad, Md. Mahfuz Alam, Ragib Noor Srijan , Md Sadman Sakib, Md. Asif Mahmud
14.40-14.50	25	Assessment of Sediment Overflow and Dispersion Dynamics from Cutter Suction Dredger-Barge Operations in A High-Tidal Fluvial System: A Case Study of the Pussur River, Bangladesh	Motiuur Rahman , Md. Shahjahan Ali and M. Mubtasim Fuad Dip
14.50-15.00	50	Comparative Groundwater Vulnerability Analysis by Modified Drastic and GALDIT Models: A Case Study in Bagerhat Sadar Upazilla	Ahadul Islam, Anna Anonna Biswas , Tazrin Shithi, Abul Fazal M. Saleh
15.00-15.10	84	Integration of GIS and Hydraulic Modeling Tools for Simplified Decentralized Separated Sewerage System Planning in Dense Urban Catchments: A Case Study of Kamlapur, Dhaka	Md. Sazedur Rahman, Sanjida Sultana Santa, Mahisha Islam Kuasha, Amir Fosomal and Md. Tanvir Ahmmed
15.10-15.20	159	Hydrological Modeling of Korotoa River Watershed in Bogura District of Bangladesh Using HEC-HMS Model	Harun Ar Rashid , Redoy Hossain Sakib, Sajal Kumar Adhikary
15.20-15.30	223	Morphometric Analysis of Drainage Basin at and Around Sylhet City: A Remote Sensing & GIS Based Approach	Emruz Arafat, Sohana Alam Promi and Aqib Mahmood
15.30-15.40	318	Evaluating Potentiality of Run-of-River (ROR) Hydroelectricity in Bangladesh; A Case Study of Matamuhuri River	Marzia Israt , A S M Jahid Hasan and Md. Majadur Rahman
15.40-15.50	337	Groundwater Quality and Public Health Risks: A Study on Arsenic and Iron Levels in Faridpur Municipality, Bangladesh	M A Awal , M S Islam, A K Aich and M Hassan
15.50-16.00	379	Spatiotemporal Assessment and Forecasting of Bankline Dynamics of the Meghna River Using Remote Sensing and GIS (1990–2035)	Jitu Mohajan, Md. Rashel Morshed, Muhammad Sajibul Islam , Kafil Uddin, Md. Shibly Anwar



Technical Session (Virtual)	Track: Environmental Engineering-v1 (ENV-v1) (Venue - E: Room No. CE 310) Time: 5 Feb. 2026, 14:20-16:00		
	Zoom Id: 970 3302 1422		Passcode: 0000
Time	Paper ID	Paper Title	Author(s) Name
14.20-14.30	179	Land Use and Land Cover Change Detection in Paikgacha Upazila of Khulna District in Bangladesh Using a Machine Learning and Remote Sensing-Based Approach	Farear Jamil Nehal , Sajal Kumar Adhikary
14.30-14.40	191	Assessing Economics of Manufacturing Industries Among Central Regions of Bangladesh with Comprehensive Short-Run & Long-Run Approach	Junaid Imam Adib , Shamima Akhter, Md Sadman Shihab Rafsan, Md Towhidul Islam, Dulal Sarker, Sumita Roy
14.40-14.50	278	Evaluating the Relationship Between Registered Vehicle Growth and Air Quality in Dhaka Using a Statistical and VEI Based Approach (2013–2024)	Md. Shofiul Islam, Md. Johirul Islam Khan and Tayeba Islam
14.50-15.00	302	Plastic, Electric, and Construction Waste Management in Savar, Bangladesh: Challenges, Practices, and Opportunities	Moriom Akter Nishi , Md. Asifur Rahman and Washilatun Nahar
15.00-15.10	324	Quantitative Assessment of Environmental and Health Risks from Brick Kiln Emissions Using Hazard Quotient and Health Index in Rupsha Cluster, Khulna	Hasanur Robin, Muhtasim Shahriar Mostafa , Azmaeen Rahman Abhra and Maruf Hossain Hredoy
15.10-15.20	345	Removal of Methylene Blue from Synthetic Wastewater Using Bamboo Leaves Ash	Rubel Ali , Md. Hridoy Parvez, Md. Masud Rana, Dr. Ganesh Chandra Saha and Md. Abul Hasanath
15.20-15.30	349	Assessment of Indoor Particulate Matter and Associated Health Risks Before and After Ventilation Improvement in Laboratories of a University	Mishrat Jahan Mim , Quazi Hamidul Bari, Kh M Ragibul Tapos Chisty
15.30-15.40	1201	Evaluating Climate Vulnerability and Adaptation in Coastal Agriculture through the Pressure and Release (PAR) Model	Rabeya Sharmin, Anjum Tasnuva



Technical Session (Virtual)	Track: Structural Engineering-v1 (STE-v1)		
	(Venue - F: Room No. CE 309) Time: 5 Feb. 2026, 14:20-16:00 Zoom Id: 9992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
14.20-14.30	286	Investigation of the Mechanical Performance of Concrete inclusive with Waste Tire Rubber	Md. Oahiduzzaman and Md. Robiul Awal
14.30-14.40	15	Properties of Core-Wrapped Galvanized Iron Fiber Reinforced Concrete with Varying Fiber Contents and Turns Per Unit Length	Most. Shuborna Khatun , Md. Shah Jamal, Akram Mahmud Tushar, Arafat Islam Apurba and Md. Rashidul Hasan
14.40-14.50	54	Experimental Evaluation of the Effect of Glass Fiber Length and Dosage on the Properties of Concrete	Md. Saniul Haque Mahi, Md. Mahfuzul Haque Atik and Md. Abdul Mum-Im-Dinar
14.50-15.00	80	Optimizing Building Energy and Carbon Performance Using Bim: A Material-Based Thermal Load Assessment	Mahfuzur Rahman , Sakina Akbar Naima, Shariful Haque Sammo, Abdey Mohimin, Nadim Ahmed, Nasim Mia and Yasin Edmam Iman
15.00-15.10	111	Influence of Galvanized Iron Fiber and Silica Fume on the Mechanical and Durability Properties of High Performance Concrete	Sadia Saima , Orpa Ahmed, Sauda Sal Sabila and Md. Jahidul Islam
15.10-15.20	144	Comparative Analysis of Machine Learning and Empirical Models for Predicting Concrete Compressive Strength	Tuli Rani Das and Joy Prokash Das
15.20-15.30	231	Shear Strength Prediction of Post-Fire Reinforced Concrete Beams Using Numerical Methods and Machine Learning Algorithms	Devjani Chakraborty , Asfia Tasmim and Tanvir Mustafy
15.30-15.40	252	Influence of Aspect Ratio and Bonding Percentage on Damping Behavior of Elastomeric Base Isolators Under Bidirectional Loading	Md. Mistak Hossain , Md Nahis Uddin Bhuiyan Nid, Ashraful Arefin
15.40-15.50	259	Bi-Directional Variation of Lateral Stiffness in a 100mm×100mm×24mm Square Shaped Scrap Tire Rubber Base Isolator with Partial Bonding	Md. Mistak Hossain , Samiya Rahman Oishee
15.50-16.00	334	Performance Assessment of RC Bridge Substructure Using Nonlinear Time History Analysis	Afifa Anjum Emi , Md. Ashfaque Rahman and Tahsin Reza Hossain



Technical Session (Virtual)	Track: Transportation Engineering-v1 (TRE-v1)		
	(Venue - G: Room No. CE 308) Time: 5 Feb. 2026, 14:20-16:00 Zoom Id: 959 1841 2117 Passcode: 2222		
Time	Paper ID	Paper Title	Author(s) Name
14.20-14.30	93	Integrated Calibration of Car-Following and Lane-Changing Behaviors Using Heuristic Optimization Under Heterogeneous Traffic Conditions	Tariqul Hasan , Md. Hadiuzzaman, Mohammed Russedul Islam
14.30-14.40	112	A Review on Traffic Flow Theories for Waterway Transportation: Constraints and the Way Forward	Md. Imran Uddin , Md Asif Raihan and Zobair Ibn Awal
14.40-14.50	143	Machine Learning-Based Travel Cost Prediction for Rickshaw Trips in Dhaka City	Arnob Protim Roy , Md. Zunaid Farouque, Bharga Narayan Tarafder, and Nasrin Jahan Shila
14.50-15.00	153	Evaluating Policy and Infrastructure Readiness for the Deployment of Connected and Autonomous Vehicles: A Case Study in Bangladesh	Md Ashik Mahamud , Sherif Gaweesh
15.00-15.10	155	Strength Development of Geopolymer Paving Blocks Utilizing Industrial Wastes	Nibedita Paul Sudipa , Nipun Barua, Shahrina Mahzabin, Muhammad Hasanuzzaman and Mohammed Russedul Islam
15.10-15.20	279	Data-Driven Assessment of Rickshaw Traffic Using Computer Vision in Dhaka's Congested Corridors	Sabuj Biswas, Dinobandhu Biswas , Md Habibur Rahman
15.20-15.30	284	Comparative Analysis of Bus Scheduling Heuristics for Fleet Size Optimization in the Narayanganj City Corporation	Tanjina Mannan Risha, Farear Jamil Nehal, Md. Fahim Montasir Zisan, Simanto Biswas Saisob
15.30-15.40	285	Understanding Factors Influencing Motorcycle Ownership in Narayanganj: A Machine Learning & Statistical Approach	Tanzim Rashid , Farear Jamil Nehal, Tanjina Mannan Risha, Simanto Biswas Shaisab, Md Aminul Islam
15.40-15.50	307	Stabilization of Road Subgrade Utilizing Ladle Refined Furnace Slag	Rohit Saha , Md Tausifur Rahman Mollik and Mohammed Russedul Islam
15.50-16.00	308	Does Departure Time Flexibility Affect the Way People Travel Between Cities? Evidence from the Sylhet-Dhaka Corridor	Md Aminul Islam, Md. Abu Raihan , Md Samiul Alim, Md Sadman Sakib, Md Naimul Islam, Md Jahir Bin Alam, Md Bashirul Haque



Technical Session (Physical)	Track: Structural Engineering-II (STE-II) (Venue - A: Room No. Ext. 211) Time: 5 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	304	Performance Evaluation of Cork Sheet Cool Roof System for Reducing Heat Gain and Improving Indoor Comfort in Hot-Humid Buildings	Md. Bashirul Haque, Md. Samiul Alim , Khaza Md. Sirajul Mustafa, Abujar Gifari, Md. Aminul Islam
16.40-16.50	380	Evaluation of the Effectiveness of the Steel Fiber-Reinforced Concrete Incorporating Sugarcane Bagasse Ash	Prince Paul , Prosanjit Baral, Rajarshi Das Gupta and Md. Kawsarul Islam Kabbo
16.50-17.00	417	Clay-Straw Green Brick as Ecofriendly Carbon Reducing Building Material	Md. Abir Hasan, Md. Mosharaf Hosen and Sharif Tanjir Ahmed
17.00-17.10	479	Prediction of Compressive Strength of Incinerated Sewage Sludge Ash Incorporated Concrete Through Machine Learning Models	B. Debnath, S. Bardhan and R. Mutsuddy
17.10-17.20	508	Enhancing the Flexural Behaviour of Sustainable Ferrocement-Retrofitted RC Beams: Impact of Waste Brick Powder and GI Wire Fibres	Md Jihad Miah, Mohammad Shamim Miah, Humera Mughal, Md Kawsar Ali, Md. Munir Hossain Patoary
17.20-17.30	510	Effect of Recycled Tyre Aggregate Surface Treatment by NaOH Solutions on the Shrinkage Properties of Sustainable Concrete	Md Jihad Miah, Mohammad Shamim Miah, Md Kawsar Ali , Md. Munir Hossain Patoary
17.30-17.40	511	Axial Compressive Stress-Strain Behaviour of Sustainable Concrete Made with Chemically Treated Recycled Tyre Aggregate: Experimental Investigation, Numerical Modelling, and Optimisation	Md Jihad Miah, Mohammad Shamim Miah, Md. Munir Hossain Patoary, Md Kawsar Ali
17.40-17.50	512	Experimental Investigation of High-Strength Polymer-Modified Concrete Incorporating SBR Latex, Waste Crumb Rubber, and Pet Fibers	Mita Khatun , Habibur Rahman Sobuz
17.50-18.00	514	Experimental Assessment of High-Strength Concrete Containing Waste Seashell Powder and Nano-Silica	Mita Khatun , Debaprasad Sinha, Al Shahriar Shuvo



Technical Session (Physical)	Track: Environmental Engineering-II (ENV-II) (Venue - B: Room No. Ext. 213) Time: 5 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	233	Socio-Spatial Disparities in Ecosystem Services and Disservices: A Case Study of Khulna, Bangladesh	Tahdia Tahmid , Aishwarjo Saha, Sk Shoyeb Ur Rahman, Md. Mahedi Hasan, Gazi Md. Amir Hamza and Emam Hasan Emon
16.40-16.50	251	An Integrated GIS and Fuzzy Logic Approach for Assessing Land Degradation Vulnerability in Coastal Zone of Bangladesh	Kaniz Fatema , Md. Manjur Morshed
16.50-17.00	264	Public Health Impact of Air Pollution in Rangpur: Estimating COPD Attributable to PM2.5, PM10, and O3 by the AIRQ Model	Kazi Kaif , Md. Saiful Islam and Md. Al Amin
17.00-17.10	277	Flash Flood Hazard Assessment Using a GIS-Integrated Fuzzy Ahp-Mcda to Inform Nature-Based Solutions in Feni and Noakhali, Bangladesh	Imtiaj Iqbal Mahfuj, Nawreen Ferdous Tamim, Towfiqur Rashid and Junaid Imam Adib
17.10-17.20	306	Optimizing PVC Recycling Using Waste PVC Banner with Deep Eutectic Solvents for Sustainable Environment	Md Mostoba Rafid , Md. Saber Khan Swakshar, Husain Md. Sajib, Md. Rashed Hasan, Md. Sabbir Hosen, Swapan Kumer Ray and S. M. Asaduzzaman Sujan
17.20-17.30	329	Development of HDPE-GO Composite Membranes for Extenuating the Toxic Release of Chromium Metal from Leather Industries	Rashedul Islam , Khondoker Mahbub Hassan, Md. Elias Uddin, Syed Nakib Hasan and Mohammad Wahid
17.30-17.40	91	Assessing the Combined Impact of Urban Growth and Air Pollution on Vegetation and Land Surface Temperature in Bangladesh	Md Khaled Hasan, Sharfan Upaul and Mosammat Shahria Akter
17.40-17.50	365	Performance Evaluation of a Clay Ceramic Filter for Improving the Surface Water Quality	Anindha Ghosh, Mohammad Shafiul Azam, Md Shafiquzzaman



Technical Session (Physical)	Track: Transportation Resource Engineering-II (TRE-II) (Venue - C: Room No. Ext. 212) Time: 5 Feb. 2026, 16:30-18:00			
	Time	Paper ID	Paper Title	Author(s) Name
	16.30-16.40	540	Over 31 thousand Road Crash Deaths Estimated Annually in Bangladesh: Reality or Exaggeration	S. M. Sohel Mahmud
	16.40-16.50	472	Performance Evaluation and Mix Optimization of Na and Recycled Coarse Aggregate Based Pervious Concrete	Delowar Hossain, Md.Mehedi Hasan, Takia Dilshad Ruaida , Tushar Abdullah, Md.Jihan Hasan and Ismail Saifullah
	16.50-17.00	518	Accident Assessment and Pattern Evaluation of Road Traffic Crashes at Joydebpur, Gazipur	Pias Pal , Md Ibrahim Khalil, Swe Kya Waiy Marma, Shariful Islam, and Mahiman Zinnurain
	17.00-17.10	682	A Comparative Review of Congestion-Induced Economic Costs in Dhaka, Chittagong, and Khulna: Implications for Sustainable Transport Policy in Bangladesh	Tanveer Tausif Ratul, Rafia Binte Rouf, Mehrabuzzaman and Nurain Naz Kamal
	17.10-17.20	714	Socio-Economic & Infrastructural Determinants of Road Accidents in Bangladesh	Fatema Tuz Zuhra , Shirin Sultana and Afiya Kashem Ishra
	17.20-17.30	788	Bus Route Franchising in Dhaka, Bangladesh: Policy Rationalization, Institutional Resilience, and the Road to Sustainable Urban Mobility	Sad Ahmed Been Billah, A. T. M Neamul, Dhrubo Alam and Farah Mahboob
	17.30-17.40	790	A Case Study on Bus Stop Infrastructure and Operational Efficacy: the Dhaka Nagar Paribahan Green Cluster Pilot	Dhrubo Alam , A. T. M Neamul, Sad Ahmed Been Billah, and Farah Mahboob
	17.40-17.50	810	Deep Learning–Based Comparative Traffic Flow Forecasting for Western Highways in Bangladesh	Md Ishmam Labib, Anika Tasnim and Md Asif Raihan



Technical Session (Physical)	Track: Water Resources Engineering-II (WRE-II) (Venue - D: Room No. Ext. 214) Time: 5 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	438	Potential Ecological Risk Assessment of Heavy Metal Contamination in Major Rivers of Bangladesh	Samia Sarker, Md. Al Amin and Abhishek Sarkar
16.40-16.50	579	Influence of the Padma Bridge on River Hydrodynamics and Morphological Response in the Padma River, Bangladesh	Arafat Kabir, Sanzid Hossain Parag and Nafis Fuad Rifat
16.50-17.00	587	Multi-Parameter Risk of Eastern Region of Bangladesh due to August 2024 Flood	Salah Uddin Ahmed Dipu, M. Shahjahan Mondal, Faysal Bhuiyan, Md. Aminul Haque Laskor
17.00-17.10	589	Groundwater Depletion and Iron Contamination in Southeastern Bangladesh: Assessing Current Scenario, Future Risk and Possible Solutions	Soumaya Chowdhury, Abir Barua, Pranta Barua and Turjoy Das
17.10-17.20	677	Impact of Climate Change on Extreme Rainfall Changing Patterns in the Southwest Region of Bangladesh Using SDSM and HADCM3 Model	Shoma Ghosh, Sajal Kumar Adhikary
17.20-17.30	784	Precipitation Trend Analysis Using Statistical and Graphical Approach: A Case Study at the Southwestern Coastal Regions in Bangladesh	Mst. Ahona Akter, Samiha Siddiquee
17.30-17.40	796	Predictive Modeling of Inland Groundwater Behavior and its Management Approaches in Sylhet, Bangladesh	Muktarun Islam and Md. Habibur Rahman
17.40-17.50	860	Assessing Flood Vulnerability in Sylhet District with an AHP-Based GIS Approach	Md. Biplob Hosen, Md. Tofiqzaman, Md. Rabiul Islam, Umme Tahera-Tun-Humayra



Technical Session (Virtual)	Track: Environmental Engineering-v2 (ENV-v2) (Venue - E: Room No. CE 310) Time: 5 Feb. 2026, 16:30-18:00 Zoom Id: 970 3302 1422 Passcode: 0000			
	Time	Paper ID	Paper Title	Author(s) Name
	16.30-16.40	389	Urban Heatwave Health Risk Assessment Using Shannon Entropy-Based Composite Indicators: A Case Study of Chattogram City Corporation, Bangladesh	Koushick Baidya Kabbya and Md Kamrul Islam
	16.40-16.50	443	Evaluation of Polyhydroxyalkanoates (PHA) Production Capacity of Different Organisms	Indrita Mahalanabish , Api Rani Arpita, Kazi Rohan and Md.Salatul Islam Mojumder
	16.50-17.00	492	Mapping Spatial Inequalities in Sanitation Access: A GIS Approach for Khulna Railway Slum, Bangladesh	Sardar Shakir Ahmad , Dr. Anjum Tasnuva and Swarna Bintay Kadir
	17.00-17.10	586	Microplastic Presence and its Distribution Pattern in an Industrial Area in Chattogram	Tashak , F.M. Meftahuzzaman, Sudip Kumar Pal
	17.10-17.20	594	Long-Term Morphological Changes and Stability of Sandwip Char Islands: Insights from a 30-Year Geospatial Analysis (1995–2025)	S. H. Sahim, A. Karmakar and T. K. Esh
	17.20-17.30	651	Seasonal Variations of Urban Heat Island Intensity in Chittagong, Bangladesh: A Multi-Temporal Landsat and Modis-Based Assessment (2000–2025)	Ahmed Zewail Sami , Souvik Deb
	17.30-17.40	659	Assessing Climatic and Vegetative Influences on Seasonal Rice Yields in Rajshahi: A Comparative Analysis Using Machine Learning and Remote Sensing	Chinmoy Debnath Abir , Sadia Afroze, Musfique Hossain and Md. Rimon Hossain
	17.40-17.50	664	Study of the Association Between Traffic Noise Level at Road Intersections of Dhaka and Perceived Annoyance	Md. Atikul Islam Abhi , Ferdous Al Rafi and Sheikh Mokhlesur Rahman
	17.50-18.00	381	Assessing Flood Vulnerability of the Eastern Region of Bangladesh Using Analytic Hierarchy Process and GIS-Based Spatial Analysis	Md. Aminul Haque Laskor , M. Shahjahan Mondal, Salah Uddin Ahmed Dipu, Faysal Bhuiyan



Technical Session (Virtual)	Track: Water Resources Engineering-v1 (WRE-v1) (Venue - F: Room No. CE 309) Time: 5 Feb. 2026, 16:30-18:10 Zoom Id: 992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	1171	Predicting Stormwater Reduction Using RTC-RWH in the Selected Parts of Chattogram City	Aysha Akter and Sumaiya Tabassum Nur Sumona
16.40-16.50	19	Thirst, Threat, and Tenacity: A Baseline of Struggle and Survival in Gabura and Padmapukur Unions of Satkhira	Md. Ashraful Islam , Mallick Sayeed Mahbub, Shamoeta Zaman, Mohammad Mohsinuzzaman Chowdhury, Md. Abdulla Hel Kafi, S M Mahbubur Rahman, Md. Sohel Masud
16.50-17.00	23	Innovative Nature-Based Flood Protection Measures for Bangladesh: A Review	Md Siam Nur Chowdhury, Tanjeem Farhana Raha and Mahjabin Fatema Adury
17.00-17.10	126	Spatio-Temporal Analysis of Envo-Climatic Parameters at the South-Western Region of Bangladesh	Sanupa Sarkar, Nurus Safi , Md. Reaz Akter Mullick and Abdullah Al-Didar
17.10-17.20	156	Study on Riverbank Erosion, Accretion, and Erosion Pattern Prediction of the Jamuna River Using HEC-RAS and LANDSAT Imagery	Md. Mahmudur Rahman, Medhary Mizan Mim, Nafisa Nuraeen Hridita, Chandan Kumar Sarker and Sanzida Azad
17.20-17.30	227	Hydrodynamic Analysis of a Selected Reach of the Jamuna River Under Structural Interventions Using Delft3d	M. R. Rana, S. Dey , P. K. Sarker, S. M. T. Zahid, K. M. A. Hossain
17.30-17.40	228	Hydro-Morphological Analysis of the River Karatoya and Hydrodynamic Response for Human Interventions on the River Using HEC-RAS	M. T. Rahman, P. K. Sarker, S. Dey , S. M. T. Zahid
17.40-17.50	235	Flood Vulnerability Assessment in South Eastern Bangladesh due to 2024 Flood Using Analytic Hierarchy Process	Rafia Islam, Sumaya Tasnim Rasna and Umme Nusaiba Islam
17.50-18.00	238	A Study of Water Quality Parameters in Turag and Karnatuli (Banshi) Rivers: A Comparative Approach	Ijaj , Aburayhan Md. Jafor Mondol
18.00-18.10	263	Geo-Spatial Techniques and Machine Learning-Based Assessment of Groundwater Sustainability in the Rajshahi Region, Bangladesh	Md. Abir Hasan , Md. Mosharaf Hosen, Md. Nayem Hossain and Md. Abir Hossain



Technical Session (Virtual)	Track: Transportation Engineering-v2 (TRE-v2)		
	(Venue - G: Room No. CE 308) Time: 5 Feb. 2026, 16:30-18:00 Zoom Id: 959 1841 2117 Passcode: 2222		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	333	Assessing the Impact of Climatic Factors on Road Safety in Bangladesh	Md. Fuad Hasan , S. M. Sohel Mahmud and Ayesha Akter
16.40-16.50	343	Evaluating the Impact of User Perceptions and Attitudes: Insights from the Adoption of MRT Line-6 in Dhaka	F. A. Prova , T. Afrina, Md. A. Raihan
16.50-17.00	351	Performance Evaluation and LOS Determination of Mixed Traffic at Critical Unsignalized Intersections in Khulna	Nusrat Jahan, Bishal Chaklader Swadin, Osman Hayat Asif, Monoarul Haq Omy
17.00-17.10	355	Developing a Vissim-Based Calibration and Validation Framework for Mixed Traffic: The Case Study of Khulna's Shivbari Intersections	Nusrat Jahan, Bishal Chaklader Swadin, Showmitro Biswas, Abu Talha Mohammad Ashek
17.10-17.20	362	Uncovering the Danger Zones: Spatial and Statistical Insights into Road Accident Hotspots in Khulna	Nusrat Jahan, Bishal Chaklader Swadin, Mofasser Bin Hossain Maruf , Hasnat or Rashid Hamim, Md Eastiak Hossain
17.20-17.30	367	Characterization and Performance Analysis of Crumb Rubber Modified Bitumen	A. H. Turza, O. Ahmed, S. K. Palit, S. Mahamud and S. S Rahman
17.30-17.40	447	Comparative Analysis of Motorized and Non-Motorized Vehicle Crashes and Casualties in Bangladesh	Fahmid Mohammad Saif , Md. Minhajul Islam Khan Afianoor Snigdha and Kamrul Hasan Sourav
17.40-17.50	459	Impact of Road Geometry on Traffic Flow: A Simulation Study Using PTV Vissim	Sumaya Sadia Toha , Md. Arif Rayhan, Mahafujar Rahman, Swapan Kumar Palit
17.50-18.00	1452	Influence of Ground Access and Egress Trip Attributes on Intercity Mode Choice Behavior	Md Aminul Islam, Md Sadman Sakib , Md Naimul Islam, Md. Abu Raihan, Md Samiul Alim, Md Jahir Bin Alam, Md Bashirul Haque



Day-2: February 6, 2026 Friday

Technical Session (Physical)	Track: Structural Engineering-III (STE-III) (Venue - A: Room No. Ext. 211) Time: 6 Feb. 2026, 9:00-10:30		
	Time	Paper ID	Paper Title
9.00-9.10	555	Properties of Brick Aggregate Concrete Containing Slab Demolished Waste as a Partial Replacement of Coarse Aggregate	M. K. Hossain, M. A. Noaman, T. N. Aishee, M. K. H. Kawsar and M. R. Karim
9.10-9.20	644	Application of Turkish RVS Method for Seismic Vulnerability Assessment of Existing RC Buildings in Rajshahi City	Md. Kamruzzman , Tanvir Ahmed, Shraboni Paul
9.20-9.30	679	Development and Mix Optimization of One Part Alkali Activated Binder as a Sustainable Construction Materials	Ariful Islam , Apurba Sutradhar, Md. Jihan Hasan and Ismail Saifullah
9.30-9.40	737	Performance Comparison of Optimized SCM-Based Concrete Mixes in Marine Environments Over Varying Design Lives	Md Takbir Hossain Rudro , Ahnaf Tahmid
9.40-9.50	768	Axial Strengthening of Brick Masonry Using Precast Ferrocement Jackets: An Experimental Study on Stub Columns	Mozammel Hoque, Shohaib Ahmed , Nirnoy Paul and Jamirul Islam
9.50-10.00	772	Enhancing the Mechanical Properties and Durability of Industrial Steel Slag Concrete through the Incorporation of Graphene Oxide Derived from Waste Plastic	Md Yousuf Al Rakib , Nabila Awal Talukder, Md Sabit As Sami and Md. Motiur Rahman
10.00-10.10	791	Probabilistic Seismic Analysis of Two Interconnected Irregular Buildings	Md Anaeth Hossain Dolon , Pallab Biswas, Md Asif Khan and Tahmina Tasnim Nahar
10.10-10.20	807	Flexural and Torsional Behavior of Recycled Plastic Fiber Reinforced Concrete	Md. Kamrul Hasan Hridoy , Jahidul Islam, Md. Arshadur Rahman Tayeb and Md. Hasan Shahria Sakib
10.20-10.30	957	A Review on Hybrid Fiber-Reinforced Concrete: Combining Different Fibers for Improved Structural Performance	Kamrul Hasan , Abdullah Al Mamun, Lemon Molla, Md. Jihan Hasan



Technical Session (Physical)	Track: Environmental Engineering-III (ENV-III) (Venue - B: Room No. Ext. 213) Time: 6 Feb. 2026, 9:00-10:30		
	Time	Paper ID	Paper Title
9.00-9.10	435	Characterization of Thermally Activated Biosorbent and Use in Chromium Removal from Tannery Wastewater	Sadia Mim, Md. Kazim Ahmed Zim , Abid Hassan, Md. Abul Hashem
9.10-9.20	436	Utilization of Tannery Liming Sludge in Acid Dyestuff Removal from Tannery Wastewater	Sadia Mim, Abid Hassan , Md. Kazim Ahmed Zim, Md. Abul Hashem
9.20-9.30	445	The Effectiveness of Faecal Sludge Management Systems in Chittagong	M. S. Sarkar, M. H. Ali , A. R. A. Bhuiyan and M. H. Masum
9.30-9.40	453	Water Generation from Non-Conventional Sources Using Different Materials	Md. Abid Hasan Nayan and Quazi Hamidul Bari
9.40-9.50	468	Thermal Consequences of Land Use Dynamics in the Padma Bridge Economic Corridor: A Remote Sensing Perspective	Md Shariful Islam Shuvo , Md Nahidul Islam, Nusrat Jahan and Md Mahmudun Nabi
9.50-10.00	498	Assessment of Agricultural and Meteorological Drought Dynamics in Association with Groundwater Stress	Arptia Bakshi , Md. Manjur Morshed
10.00-10.10	524	Indicator-Based Assessment of Disaster Risk Reduction and Community Resilience in Noakhali and Four Surrounding Districts of Southeast Bangladesh	Md Mh Saikot , Md Ak Maruf
10.10-10.20	566	A Comprehensive Study of Heavy Metal Removal Techniques from Wastewater: Challenges and Advances	Md Habibullah, Md Mojob Ali, Priojet Saha Pranto and Aohona Arefin
10.20-10.30	602	Sustainable Pathways for Municipal Solid Waste Management Techniques in Khulna City, Bangladesh	Md Habibullah , Md Mojob Ali, Shaikh Azhar Mahmud, Md. Abul Khair, and Dr. Md. Mafizur Rahman



Technical Session (Physical)	Track: Geotechnical Engineering-I (GTE-I) (Venue - C: Room No. Ext. 212) Time: 6 Feb. 2026, 9:00-10:30		
	Time	Paper ID	Paper Title
9.00-9.10	275	Investigation of the Effect of Excessive Rainfall on the Slope Stability of Sajek, Khagrachari, Bangladesh	Shariful Haque Sammo, Al- Rafi Islam, Hussain Abdullah, Ibrahim Hossain, Abu Sayed Al Rafi
9.10-9.20	293	Physicochemical and Mineralogical Assessment of Barapukuria Thermal Power Plant (BTTP) Pond Ash	Md. Belal Hossain , Md. Ayat Islam Roke, Md. Amir Hamza and Md. Mahabub Rahman
9.20-9.30	456	Effect of Chemical Treatment on Physical, Mechanical, and Hydraulic Properties of Jute Geotextiles: A Laboratory Study	Meherun Nessa Faruqui, Anik Kumar Paul, Sharifuzzaman, Abdul Jabbar Khan, and Swapan Kumer Ray
9.30-9.40	570	Practical Insights into Cost Reduction Using Sand Piles in Geotechnical Projects: A Comparison with Conventional Piling Methods	Tanoy Pal
9.40-9.50	944	Effect of Sand and Chemical Additives on the Strength Behavior of Expansive Soil	Md. Tuhin Reza, Md. Kamal Hossain
9.50-10.00	1264	Comparative Study of BNBC, Geo5, Meyerhof, and Various Interpretation Methods of Pile Load Test for Determining the Ultimate Load Capacity of Single Piles in Bangladeshi Soils	Mst. Maisha Anjum , Md. Majadur Rahman
10.00-10.10	1284	Numerical Analysis of Embankment Slope Failure: A Review on Seepage, Stability, and Earthquake Effects	M.A Hossain, M.A. Raihan , K.B. Mahbub, A. Saha and M. Abdullah
10.10-10.20	757	Study on Short-Term Traffic Flow Prediction Using Artificial Neural Network and Genetic Algorithm	Tauhidul Islam and Quazi Sazzad Hossain



Technical Session (Physical)	Track: Architectural Design and Building Environment-I (ADBE-I) (Venue - D: Room No. Ext. 214) Time: 6 Feb. 2026, 9:00-10:30		
	Time	Paper ID	Paper Title
9.00-9.10	225	Rewilding Rajshahi: Reviving the Urban Spine Through Nature, Culture, and Community-Driven Design	Z H M Monjur Murshed, Sheikh Hameem, Affia Rahman Bristy , Tahiya Zarin Epshita, Jarin Tasnia Rifa, Mahin Alam, Rifah Tamanna Haque Rodela, Myesha Rahman
9.10-9.20	234	Reinvigoration: Navigating Change Through Spatial Interventions	Z H M Monjur Murshed, Sheikh Hameem, Rifat Jannatee Urbee, Istiyak Ahmed Mahi, Kushal Roy, Joy Mitra , M. Aftab Hossain Ayon, H.M. Anhaf Niyaz Chowdhury
9.20-9.30	241	Intertwining Place-Making and Street Storytelling in Rajshahi's Central Spine: from Zero Point to C&B Node	Z H M Monjur Murshed, Sheikh Hameem, Jannatul Ferdous, Faysal Ahmed, Nura Al Howa Sadika, Subrin Shirmin Ritu, Acia Hossain
9.30-9.40	394	A Study on User Perceptions with Environmental and Economic Benefits of Solar-Powered Greenbio-Solar Rooftops in Dhaka	Md. Sarowar Jahan Apu and Munem Shahriar Islam Shamonto
9.40-9.50	535	Green Roof: Impact on Indoor Temperature and Thermal Comfort – A Case Study	Mithun Chakraborty , Rezwan Ahmed, M. A. Shakrul Jadid, Md. Ehsanul Karim Sifat
9.50-10.00	655	From Encroachment to Ecology: Nature-Based Strategies for Riverbank Regeneration	Md. Nawaz Sharif Sifat , Samia Mehnaz Maliha, Tanvir Mahmud Abir, Mohammad Abdullah Bin Jafar
10.00-10.10	1077	Reimagining 'Aam Chattar' as A 10-Minute City Urban Nexus of Rajshahi	Z H M Monjur Murshed, Sheikh Hameem, Fabia Khondoker, Nura Al Howa Sadika , Jarin Tasnia Rifa, Joy Mitra, Sedratul Muntaha Neaha, Myesha Rahman
10.10-10.20	1219	Analyzing Fire Safety Practices in Tertiary Institutions of Khulna City Using GIS and IFSS-CP Framework	S. M. Shadman Nazim , Md Shofiqul Islam
10.20-10.30	1367	Closer to Home: Towards a Connected & Flexible Urban Future in Court Station, Rajshahi	Z H M Monjur Murshed, Sheikh Hameem, Zarin Tasnim Rahman, Jannatul Ferdous , Afifa Rahman Bristy, Acia Hossain, H. M Anhaf Niyaz Chowdhury



Technical Session (Virtual)	Track: Environmental Engineering-v3 (ENV-v3)		
	(Venue - E: Room No. CE 310) Time: 6 Feb. 2026, 9:00-10:30 Zoom Id: 970 3302 1422 Passcode: 0000		
Time	Paper ID	Paper Title	Author(s) Name
9.00-9.10	668	Nutrient Influence and Extraction Optimization in Microalgae for Enhanced Biofuel and Biomaterial Production	Md. Ibrahim Ahmed Chowdhury , Subash Chandra Deb, Md. Ali Azgor, Md Salatul Islam Mozumder, Faiaj Mahumud
9.10-9.20	680	Assessment of Heavy Metals in Topsoil and Plant: A Case Study in Khulna City	S. K. Raihan, S. M. Abdullah and A. T. Abdullah
9.20-9.30	681	Suitable Sites Assessment for Solar Power Plant in Cox's Bazar District: An AHP-GIS Combined Approach	Nurul Amin Tased , Sajib Sarker and Moshfiqur Robin
9.30-9.40	718	Spatiotemporal Dynamics of Urban Heat Islands and Associated Air Pollution in Dhaka: A GIS-Based Analysis	Umme Nusaiba Islam, Rafia Islam
9.40-9.50	764	Assessing Forest Health of the Sundarban Mangrove Through Advanced Geospatial and Remote Sensing Techniques	Ranjan Kumar Das , Md. Majadur Rahman, Ali Ahsan Nishat
9.50-10.00	775	Electrocoagulation-Based Treatment of Textile Wastewater: Optimization of Process Parameters for Pollutant Removal	Tasnia Rahman , Sabrina Islam, Rowshan Mamtaz
10.00-10.10	803	Annual Normalized Difference Vegetation Index Dynamics and Climatic Controls in Mymensingh District, Bangladesh	Md. Fuadul Islam Hriday, Sumaya Tabassum, Md. Lijan Mondol , S. M. Fardeen and Most.Jeb-Un-Nesa Boishakhi
10.10-10.20	834	Integrating AHP-Based Multi-Criterion Decision Analysis for Landslide Susceptibility Assessment: A Case Study of Bandarban District, Bangladesh	Sm Rifdu Rafee , Sishir Das, Susmay Saha, Rudra Samonto Das, Ibrahim Hossain and Hussain Muhammad Abdullah
10.20-10.30	954	Exploring Household Solid Waste Pathway, Composition and Management Solutions in Halisahar, Chittagong	T. T. Jarin and Sudip Kumar Pal



Technical Session (Virtual)	Track: Structural Engineering-v2 (STE-v2)		
	(Venue - F: Room No. CE 309) Time: 6 Feb. 2026, 9:00-10:30 Zoom Id: 992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
9.00-9.10	338	Anisotropic Damping Behavior in Partially Bonded Base Isolators Made from Square Shaped Scrap Tire Rubber	Md. Mistak Hossain
9.10-9.20	342	Parametric Study on Lateral Stiffness of Partially Bonded Rubber Pad Isolators: Influence of Aspect Ratio and Bidirectional Loading	Md. Mistak Hossain, Md Nahis Uddin Bhuiyan Nid
9.20-9.30	469	Numerical Analysis of Strip-Shaped Unbonded Scrap Tire Rubber Pad Isolators (SSU-STRP) Under Multidirectional Cyclic Loading	Fahim Shahriar, Md. Basir Zisan, Shakwat Karim Maher, Dip Narayan Yadav
9.30-9.40	481	A Numerical Investigation of the Seismic Response of Multi-Story Frame Structures with Vertical Mass Irregularities Using Linear Time History Analysis	Ashraf Seddiki Sowrob, Kazi Md. Adnan and Mushtaq Ahmed
9.40-9.50	553	Comparative Evaluation of ACI and Nominal Mix Design Methods for Strength and Cost Efficiency of Concrete	Rayhana Sultana, Amit Datta, Rubaiyet Hafiza, Umme Tahmina Toma and Sudipta Karmakar
9.50-10.00	576	Performance Enhancement of Recycled Aggregate Concrete Using Coconut Stem Ash	Most. Shuborna Khatun, Md. Shah Jamal, Sifwat Alvi Rahman, Md. Shadman Sakib Chowdhury, Md. Emran Hossain Emon and Md. Rashidul Hasan
10.00-10.10	647	Improving Concrete Strength Prediction with Domain-Informed Feature Engineering and Machine Learning: A Study Using the UCI Dataset	Md Rakib Hossain
10.10-10.20	739	A Rapid Visual Screening (RVS) Score Development Framework for Steel Buildings in Dhaka City	Sadia Alam and Nazrul Islam
10.20-10.30	1148	Seismic Assessment of a Code-Designed Plan Irregular RC Building Using Nonlinear Time History Analysis	Md. Abdul Adol, Sohel Rana, Ankan Barua, and A. H. M Shahidul Islam



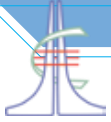
Technical Session (Virtual)	Track: Transportation Engineering-v3 (TRE-v3) (Venue - G: Room No. CE 308) Time: 6 Feb. 2026, 9:00-10:30 Zoom Id: 959 1841 2117 Passcode: 2222		
	Time	Paper ID	Paper Title
9.00-9.10	467	Deep Learning-Based Classification of Urban Transport Mode Choice for Urban Planning	Md Nayem Hossain , Md Abu Johab, Md Rashedul Haque, Nakib Aman, Md Rakibul Islam Sabbir and Al Arian Ahmad
9.10-9.20	473	Assessing Footpath Service Quality in Dhaka: A Comparative Study of Footpaths Near Expressway Ramps and Other Areas Using MCMC Modeling	Rifat, A.H. , Haque,N. and Hadiuzzaman,M.
9.20-9.30	599	Pedestrian Behavioral Insights into Illegal Mid-Block Crossings: A Study of Leisure Walkers in Urban Dhaka	Anupam Das Pranta , Md. Zuhayer Aftab Eshrak and Mursheda Rahman
9.30-9.40	634	Seatbelt Non-Compliance Behavioral Typology: What Does the Data Tell Us?	Samia Sahid , Md Asif Raihan
9.40-9.50	652	Assessment of Key Contributing Factors to Motorcycle Crash Severity in Dhaka City Through Comparative Modeling Approach	Farzanul Islam, Md. Ehsanul Saad, Md. Asif Raihan and Md. Hadiuzzaman
9.50-10.00	745	Comparative Analysis of Traffic Flow Characteristics in Turbo-Roundabout and Conventional Roundabout: An Approach in Vissim Based Traffic Flow Simulation	Tomal Roy , Puja Saha Raisa Ferdousi and Sadia Mohsin
10.00-10.10	759	Optimizing Bus Transport Infrastructure: Proposal for A Fully Functional Bus Terminal with an Integrated Public Bus Management System in Rajshahi City	Musfique Hossain, Sadia Afroze, Chinmoy Debnath Abir and Md. Rimon Hossain
10.10-10.20	767	Service Challenges in Dhaka MRT Line-6: Comparative Insights and Recommendations for Future Extensions	Md. Muhtashim Shahrier, Ishraq Rafin , Md. Samiul Karim Khan and Sk. Md. Mashrur
10.20-10.30	42	Gis-Based Mapping and Temporal Analysis of Railway Accidents in Bangladesh	Md Moazzam Hussain



Technical Session (Physical)	Track: Structural Engineering-IV (STE-IV) (Venue - A: Room No. Ext. 211) Time: 6 Feb. 2026, 11:50-12:50		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	289	Finite Element Investigation on CFRP-Strengthened Beam-Column Steel Joints Under Static and Cyclic Loading	S. M. Zahurul Islam , S. B. Islam, Md. Tasnimul Hossen Sarker
12.00-12.10	1019	Performance-Based Analysis of RC Shear Walls with Openings Under Seismic Loads in Dhaka	Ahnaf Tahmid , Sk. Rakibul Islam, Md. Zunnun Bari Pial
12.10-12.20	1031	Seismic Performance of Butterfly Shaped Slit Dampers with Varying Slit Angles	Dip Narayan Yadav , Md. Basir Zisan, Shakwat Karim Maher, Fahim Shahriar
12.20-12.30	1067	Evaluation of Seismic Resilience of a Dual System Concrete Building Following FEMA P58	Md. Ashikuzzaman, Md. Masrub Ahmmad , Md. Obaedullah, Koushik Shaha Shuvo, Mahiman Zinnurain and Raquib Ahsan
12.30-12.40	1097	Thermal Performance and Mechanical Property Enhancement of Nylon–Glass Hybrid Fiber-Reinforced Concrete	Ashraful Arefin , Md. Tohed Bhuiyain, Md Mistak Abir
12.40-12.50	1158	Concrete’s Doctor: A Review on Self-Healing Concrete Technologies	Raiyan Ibn Omar , Abdullah Al Sifat, Sumaiya Jahan Bushra



Technical Session (Physical)	Track: Environmental Engineering-IV (ENV-IV) (Venue - B: Room No. Ext. 213) Time: 6 Feb. 2026, 11:50-12:50		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	621	Hydraulic Performance Deterioration of Ceramic Filters: Experimental Insights and Fouling Model Development	Rahul Chakrabarty , Quazi Hamidul Bari, and Md. Al Amin
12.00-12.10	622	Comprehensive Review of Point-of-Use (POU) Water Filtration Methods: Performance, Limitations, and the Future of Hybrid Systems	Rahul Chakrabarty, Quazi Hamidul Bari, and Abhishek Sarkar
12.10-12.20	649	Sustainable Jute Bleaching with Sodium Perborate: Comparative Study on Efficiency and Eco-Impact	Mushfika Anjum , Zaber Ahmed
12.20-12.30	674	Comparative Review of Microplastics Removal in Wastewater Treatment Plants and Constructed Wetlands	Md. Tanvir Ahmmed , Mst. Tasnim Tamanna Lina and Afsara Tasnim
12.30-12.40	694	Air Quality Analysis of Chittagong, Bangladesh Using Google Earth Engine and Remote Sensing: Implications for Sustainable Urban Development	Mehedi Hasan, Maiyisha Salsabil Aliya, Ahnaf Mahmud , Anik Sarkar, S M Tanvir
12.40-12.50	697	Understanding Corrosion Dynamics: Comparative Electrochemical Analysis of Copper, Brass, Zinc and Mild Steel in Various Aqueous Environments	Md. Ali Ehsan Bayazid , Md. Mufidul Islam, and Md. Sazib Ahammed



Technical Session (Physical)	Track: Transportation Engineering-III (TRE-III) (Venue - C: Room No. Ext. 212) Time: 6 Feb. 2026, 11:50-12:50		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	486	A Multiple-Linear Regression Model for Pedestrian Gap Acceptance at Road Segments of Unsignalized Intersections: A Case Study of Khulna City	N. Islam, M. Monoara, M. R. Mahi and A. A. Mujtabe
12.00-12.10	924	Severity Analysis and Blackspot Identification of Road Traffic Accidents: A Case Study of the Gazipur Metropolitan Area	S. A. Mamun, Md. Tawseef Hossain
12.10-12.20	948	Behavioral Influences on Intersection Performance: Quantifying Capacity Loss from Informal Lane Blocking Under Mixed Traffic	Mehrabuzzaman, Nurain Naz Kamal, Tanveer Tausif Ratul, and Rafia Binte Rouf
12.20-12.30	1013	Assessment of Intersection Performance Using Traffic Volume and Land Use-Transportation Relationship: Evidence from Rajshahi, Bangladesh	Muhammad Waresul Hassan Nipun, Jahid Hasan, Towfiqur Rashid, Jakia Ahmed Toshmi, Jannat Jahrah and Priyam Riddha Biswas
12.30-12.40	1179	Inter-District Mode Choice Modelling of Resident Students of BUET	Fawziah Afrin Aumi, Md. Tanjid Hasan Sakib, Mohammed Neaz Morshed
12.40-12.50	1241	Improving Traffic Performance at an Urban Intersection Using HCM-Based and Microsimulation-Based LOS Analysis in Gazipur	Md. Jamil Mahmud Abdullah, Md. Masrub Ahmmad, Mahiman Zinnurain, Pias Pal and Asif Iqbal



Technical Session (Physical)	Track: Construction Engineering and Management-I (CEM-I) (Venue - D: Room No. Ext. 214) Time: 6 Feb. 2026, 11:50-12:50		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	53	Reenvisioning Construction Waste into Value: A Multifaceted Review	Tasnimul Alam Khan, Dhrubo Biswas Toy
12.00-12.10	549	Integrated Cost Estimation and Time Efficiency in Construction: A Comparative Study of Bim and Traditional Project Management Software	Md. Towfik Hassan, Md. Jahurul Islam, B M Sarzil Redwan, Md Shafayet Alam , Md. Mustakim
12.10-12.20	811	Autonomous Drone Swarm Mapping Using Sweep Patterns: Simulation and Performance Metrics	Md. Arafat Jamil, Md. Ramjan Ali
12.20-12.30	1079	ChatGPT as a Digital Safety Advisor: Assessing the Efficiency of ChatGPT in Producing Site-Specific Safety Guidelines	Dip Kumar Kundu, Md. Kawsar Akon , Sheikh Azim Ur Rashid, Ismat Jahan, Susmita Chowdhury Raka, Md. Rakibul Islamchowdhury
12.30-12.40	1091	Digital Twin-Driven Structural Health Monitoring: Emerging Paradigms, Simulation Strategies and Predictive Intelligence	M. I. Hossain , M. S. R. Sakib and M. Begum



Technical Session (Virtual)	Track: Environmental Engineering-v4 (ENV-v4) (Venue - E: Room No. CE 310) Time: 6 Feb. 2026, 11:50-12:50 Zoom Id: 970 3302 1422 Passcode: 0000		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	886	Study on Effect of Upflow and Downflow Forced Aeration on Composting in a Closed System Using a Software-Based Model	Md Tasin Ahomed, Qazi Hamidul Bari, Utsho Bhowmik and Abdullah Al Siam
12.00-12.10	895	Advancements in Plastic Waste Management: A Comprehensive Review of Recycling, Removal, and Maintenance Strategies in Bangladesh	Arindam Sutradhar Omi , Md. Niamul Bari
12.10-12.20	900	Livelihood Vulnerability and Adaptive Strategies Due to Flash Flood for an Agricultural Community in Dharmapur Union of Fatikchhari, Chattogram	Rizbina Riduan Rayma, Tahmid Abrar Nur , Mohammed Sadat Ibne Yasin Toki, Riya Islam, Abdur Rahman Zihad, Jubayel Islam, Ali Hassan Tuhin
12.20-12.30	961	Spatiotemporal Patterns of Air Quality in Relation to Urban Density in Rajshahi City	Riya Islam , Md. Kamrul Islam
12.30-12.40	966	Impacts of Urban Density on Surface Heat: Lst and Utfvi Analysis in Rajshahi City	Riya Islam , Md. Kamrul Islam



Technical Session (Virtual)	Track: CE Blend-v1 (TAG-v1) (Venue - F: Room No. CE 309) Time: 6 Feb. 2026, 11:50-12:50 Zoom Id: 992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	167	Sustainable Building Practices: A Review of LCA and BIM Integration for Environmental Impact Reduction	Zakia Sultana , Abu Abrar Abdullah Labib
12.00-12.10	359	Effect of Extreme Cold Weather Temperature on Corroded and Non-Corroded Buried Pipelines	Qunfang Hu, Md Tanvir Ahmed Faysal and Zhan Su
12.10-12.20	565	From Cement to Microbes: A Comparative Review of Conventional and Bio-Stimulated Soil Stabilization Techniques	Prodipto Das , Sushmita Das Ringky
12.20-12.30	899	Impact of Adjacent Construction on Classroom Acoustic Environment and Site Safety at RUET	Porshia Kabir, Sumaiya Nowshin and Sumaya Tabassum
12.30-12.40	1119	ML in Project Scheduling: A Review of Predictive Analytics and Resource Optimization	M Hasan, T P Toma , M Z Sayeda, Z Tasnim
12.40-12.50	1348	Affordable Housing Through Mixed-Use Residential Development: A Case for Rajshahi and Beyond	Aadib Hossain Dhrubo , Promiti Prova Biswas



Technical Session (Virtual)	Track: Geotechnical Engineering-v1 (GTE-v1) (Venue - G: Room No. CE 308) Time: 6 Feb. 2026, 11:50-12:50 Zoom Id: 959 1841 2117 Passcode: 2222		
Time	Paper ID	Paper Title	Author(s) Name
11.50-12.00	101	A Probabilistic Transformer-Based Machine Learning Model for the Prediction of Settlement for Shallow Foundation	Raied Ahmed Nishatt, Abdun Nur Tusar, Shriful Islam , Moriyam Akter Monni
12.00-12.10	134	Evaluation of Ground Failure Probability Caused by Soil Liquefaction for Bogura Sadar, Bangladesh	Md. Mahabub Rahman, Md. Belal Hossain, Md. Aminul Islam and Md. Sohanoor Rahaman
12.10-12.20	171	Predicting Riverbank Stability of a Flashy River Using the Rom and Bancs Models: A Case Study of the Surma River in Sylhet, Bangladesh	Junaidul Islam, Imran Hossain Newton, Abu Sadat Md. Saim , Shriful Islam, Nur Md. Robiul Hoque, Md Jahir Bin Alam, Sadnan Rahman, Md. Asif Iqbal Soikat
12.20-12.30	356	Empirical Correlation Between Compression Index and Liquid Limit of Inorganic Soils in Bangladesh	M. T. Rahman, J. Omar and M. F. Alam
12.30-12.40	464	Strength and Compaction Characteristics of Sandy Soil Stabilized with Rice Husk Ash and Cement	Taskin Zaman, Abdullah Al Shafi and Opu Chandra Debanath
12.40-12.50	615	Effects of Time-Dependent Three-Dimensional Behavior on Anchored Diaphragm Wall Support System in Clayey Soil	Mahendra Patel and Baleshwar Singh



Technical Session (Physical)	Track: Structural Engineering-V (STE-V) (Venue - A: Room No. Ext. 211) Time: 6 Feb. 2026, 14:40-16:00		
Time	Paper ID	Paper Title	Author(s) Name
14.40-14.50	1177	Performance Assessment of Masonry Infilled RC Frame by Pushover Analysis	Debashis Mallick , Momin, Arpan Das, Naim-Ur Rahman
14.50-15.00	1207	Effect of Treated Recycled Aggregate in Concrete	Rizwan Ahmed , Md. Tanvir Ahmmed, Md. Mahmudul Hasan and Wasif Mahmud
15.00-15.10	1224	Influence of Silica Fume on the Mechanical Properties of Fiber-Reinforced Concrete-A Review	Md. Tanvir Ahmmed, Rizwan Ahmed, Md. Sazedur Rahman and Jahidul Hasan
15.10-15.20	1225	Effect of Burning on Compressive Strength of Stone Aggregate Concrete	Md. Asadul Islam1, Md. Khasro Miah, Sk Azharul Haque , Robiul Islam
15.20-15.30	1255	Effect of Salinity on Compressive Strength of Brick Aggregate Concrete	Md. Minhaz Uddin, Md. Khasro Miah, Robiul Islam and Sk Azharul Haque
15.30-15.40	1292	Comparative Study on the Effectiveness of Various Steel Bracing Configurations in Mitigating the Soft Story Effect in Multi-Story Buildings	Mostafa Mahmud , Md Faiyaz Shahriar and Md. Saifur Rahman Ruman
15.40-15.50	1333	Physical and Mechanical Properties of Hollow Clay Burnt Blocks	Md. Mohaiminul Islam , Lamiya Kabir, Md. Labib Mustofa, Khondaker Sakil Ahmed
15.50-16.00	1417	Effect of Polymer Mortar on the Bending Capacity Enhancement of Cracked RC Beams	Md. Borhanul Islam , Hasibur Rahman Rana, Md. Sagor Mia, Md. Mozammel Hoque



Technical Session (Physical)	Track: Environmental Engineering-V (ENV-V) (Venue - B: Room No. Ext. 213) Time: 6 Feb. 2026, 14:40-16:00		
	Time	Paper ID	Paper Title
14.40-14.50	61	Forecasting Temperature Trends in Sylhet, Bangladesh: A Comparative Analysis of Machine Learning and Time Series Models	Md Borhan Uddin, Saiful Alam, Md Sabbir Hossain, Md. Shihab Mostafa, Khalidur Rahman
14.50-15.00	738	Flood Damage Prediction Using Pre & Post-Event Satellite Data and Machine Learning in Coastal Bangladesh	Rahatul Hasan, Maksudur Rahman , Nabiha Tahsin, Seam Sikder, Asir Foysal, Showmitra Kumar Sarkar
15.00-15.10	750	Advanced Design Techniques in Passive Solar Stills: A Review	Saumik Hasan Tanim , Quazi Hamidul Bari
15.10-15.20	769	Comparison of Lake Ecology in KUET Campus	R. Islam, and Q. H. Bari
15.20-15.30	776	Deep Tubewell Sinking Process and A Thirty-Year Analysis of Successive Depth Variations of Deep Tubewells: A Case Study in Ward No. 1 of Khulna City	Pranto Karmakar and Quazi Hamidul Bari
15.30-15.40	786	Impact of Solid Waste Dumping on Groundwater and Surface Water Quality in Gacha Union, Gazipur, Bangladesh	Afsana Akter , Md. Ziaur Rahaman, Md. Showkat Osman
15.40-15.50	872	Evaluation of Chickpea, Rice Husk and Moringa Oleifera as Sustainable Alternatives to Alum for Turbidity and Color Removal in Surface Water	Mohimenu Alam Mahe, Md. Kawsar Ahmed
15.50-16.00	880	Shoreline Change and Land Transitions in Bhola Island (1990–2025): A Multi-Decadal Gis-Based Assessment	Hussain Muhammad Abdullah , Kazi Md Ismail Hossain, Sm Rifdu Rafee, Shariful Haque Sammo and Al Rafi Islam



Technical Session (Physical)	Track: CE Blend-I (TAG-I) (Venue - C: Room No. Ext. 212) Time: 6 Feb. 2026, 14:40-16:00		
	Time	Paper ID	Paper Title
14.40-14.50	1267	Assessing the Potential of Modal Shift from Electric Three-Wheelers to Minibuses Using Commuter Surveys and Microsimulation Technique to Alleviate Urban Congestion	Md. Jamil Mahmud Abdullah, Roman Mia , Mahiman Zinnurain, Md. Sabbir Hosen, Akib Hossain
14.50-15.00	1298	A Sustainable Settlement Prototype for Developing Mangrove Eco- Tourism in Sundarbans: Design Principles and Concepts for Disaster Adaptability Through Climate Responsive Architecture	Md. Nasir Ahmad , Abdullah Al Mueid, A. U. Zaman
15.00-15.10	1344	Deterioration Patterns and Maintenance Priorities of Pavements in Northern Bangladesh: A PCI-Based Analysis	Ahasanul Haque Hashib , Md Torikul Islam, Fahim Montasir Zisan, Tanveer Tausif
15.10-15.20	1463	Finite Element Method on Earthquake Fault Rupture Propagation Through Cohesionless Soil with Spatial Variability	Lipon Paul , Md. Rokonuzzaman, Nibir Rahman and A.Wadud Ruhani



Technical Session (Physical)	Track: Environmental Engineering-VI (ENV-VI) (Venue - D: Room No. Ext. 214) Time: 6 Feb. 2026, 14:40-16:00		
	Time	Paper ID	Paper Title
14.40-14.50	882	An Empirical Investigation of Coastal Women's Empowerment Barriers in Disaster Risk Management in the Context of Changing Climatic Conditions: Evidence from Dacope, Bangladesh	Sadia Afroj, Mohammad Ismail Hossain
14.50-15.00	993	Environmental Consequences of Transportation Infrastructure Expansion in Rajshahi: A Case Study on Road and Flyover Projects (2015-2025)	Fahim Montasir and M. A. Sayeed
15.00-15.10	1071	A Review on Life Cycle Environmental Impact Assessment of Ordinary Portland Cement Production in South Africa: Mitigation Strategies and Sustainable Practices	Emon Biswas, Md. Rumman Howlader, Musarrat Zabin Mubasshira, Mehedi Hasan and Aojoy Kumar Shuvo
15.10-15.20	1103	Urban Heat Island Dynamics and Land Use Transformation in the Industrial Zone of Tongi Paurashava, Bangladesh: A GIS- Based Analysis	Mozakkir Azad, Md. Shazedur Rahaman, Md. Mahbubur Rahman, Mofassir Azad, F. K. Sayema Tanzia, Tayyaba Aqeel, Callista Fabiola Candraningtyas, Oluwaseun Adeyinka
15.20-15.30	1137	Gis and Remote Sensing-Based Analysis of Salinity Intrusion and Land Use Transformation in Shyamnagar Upazila, Bangladesh	Mozakkir Azad, Md. Mahbubur Rahman, Md. Shazedur Rahaman, Mofassir Azad, F. K. Sayema Tanzia, Rabia Akter Monifa, Fatema Akteri, Rajib Saha
15.30-15.40	1183	Solid Waste Generation, Composition and Potentiality of Waste to Resource Recovery in Narayanganj City Corporation	Md. Jisan Ahmed, M. A. Taher
15.40-15.50	1185	Analysis of Water Quality and Absorption Rate with Purification Strategies for Wastewater from Rajshahi's Silk Production Sector	R.N.Srijan, J. Jaman, J. Mahmuda and M.S.I. Sany



Technical Session (Virtual)	Track: Environmental Engineering-v5 (ENV-v5) (Venue - E: Room No. CE 310) Time: 6 Feb. 2026, 14:40-16:00 Zoom Id: 970 3302 1422 Passcode: 0000		
Time	Paper ID	Paper Title	Author(s) Name
14.40-14.50	1050	Assessing the Ecological Footprint of Road Transport in Rajshahi City: A Path Toward Sustainable Urban Mobility	P. Karmakar, S. Sahrin and K.A.U.S Chowdhury
14.50-15.00	1180	An Assessment of Heavy Metal Contamination & Physiochemical Parameter in Mohesh Khal & Mohra Khal	F.T. Jahara, S. Akter, Z. Khanam and Md. Mohiuddin
15.00-15.10	1184	Investigating the Potential High-Yield Rice Varieties for Climate-Resilient Agriculture in Patuakhali District	Rana Ghosh, Papri Hazra, Marzia Sultana Shefa, Nafisa Mehzabin, Sanjida Hossain Setu Md. Fuad Hasan , Md Shamsuzzoha
15.10-15.20	1223	Modelling of Irrigation Water Requirement for Wheat Under Sub-Tropical Monsoon Climate in North-Central Bangladesh	Md Feroz Miah , Md. Afzal Hossain, Iqbal Hossain Imon, Nahid Hassan Suzan, Md Ruhul Amin Hira, Dr. Md. Touhidul Islam
15.20-15.30	1233	Quantification of Microplastic by FT-IR and ICP-MS	R. H. Chy , M. A. Aziz and S. K. Pal
15.30-15.40	1248	Forecasting Carbon Dioxide Emissions: A Data Science Approach to Awareness and Mitigation	Rakibul Hasan , Tahidul Islam and Md. Ibrahim Bhuyia
15.40-15.50	1307	Solar Power Plant Site Suitability Analysis in Chattogram District, Bangladesh: A Multi-Criteria GIS-Fuzzy AHP Approach	Najiba Maliyat Hossain , Sourav Das, and Debasish Roy Raja



Technical Session (Virtual)	Track: Structural Engineering-v3 (STE-v3) (Venue - F: Room No. CE 309) Time: 6 Feb. 2026, 14:40-16:00 Zoom Id: 992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
14.40-14.50	741	Cost-Effective Seismic Retrofitting of Interior Beam-Column Joints: A Numerical Investigation of CFRP and TRM	Sithi Roy, Ankon Roy , Md. Shoriful Islam, Md. Imran Hossain, Jobaer Hossain and Tahmina Tasnim Nahar
14.50-15.00	914	Machine Learning-Based Prediction of Compressive Strength of Self-Compacting Concrete Incorporating Silica Fume and Fly Ash	Sagar Datta, Anindita Das , and Afifa Tamanna
15.00-15.10	938	Spatial Analysis and Identification of Flood Risk Zones in Mymensingh Division Using an Integrated GIS-AHP Framework	Sishir Das , Sm Rifdu Rafee, Swadheen Md. Masum Reza and Md. Shagor Hossain
15.10-15.20	1092	Strengthening Masonry Walls Under Out-of-Plane Loads	Rafiqul Islam Babul , Md. Amran Hossan Khan, Iftekher Anam, Abujar Gifari, and Mushtaq Ahmed
15.20-15.30	1240	Preliminary Study on Recycled Brick Aggregate Concrete Mixed with River Sand and Sea Sand	T. U. Mohammed, Z. Fariha, M. A. Rony
15.30-15.40	1286	Nonlinear Fe Analysis of Plate Girders with Sinusoidally Corrugated Web to Investigate Lateral Torsional Buckling Behaviour	Md. Nur Mohammad , Khan Mahmud Amanat
15.40-15.50	1331	Performance of Eggshell Powder as an Additive on Workability	Md. Shofiul Islam , Md. Mahbulul Islam , Md. Nazim Uddin , Md. Almas Mia



Technical Session (Virtual)	Track: Transportation Engineering-v4 (TRE-v4) (Venue - G: Room No. CE 308) Time: 6 Feb. 2026, 14:40-16:00 Zoom Id: 959 1841 2117 Passcode: 2222		
Time	Paper ID	Paper Title	Author(s) Name
14.40-14.50	792	Performance Assessment of GTR Modified Asphalt Concrete: A Comprehensive Study on Mechanical and Durability Properties	Abujar Gifari , Azharul Islam, Rafiqul Islam Babul, Enan Ahmed, Md. Samiul Alim
14.50-15.00	911	Evaluating Pedestrian Safety and Pavement Conditions in an Urban Context: A Survey-Based Study in Dhaka, Bangladesh	M. A. Hoque, M. A. K. Azad, A. A. Noman, A. A. Samad and M. Z. Hossain
15.00-15.10	932	Evaluation of Pedestrian Crossing Behavior at Selected Crossing Facilities Using Statistical Techniques in Chattogram City Corporation	Sourav Das and Rafee Ahmed
15.10-15.20	981	Stochastic Simulation of Metro - Feeder Integration in Row-C: A Case Study from Dhaka	Nafisa Tabassum , Irish Nusrat Rupanti, Naimur Rahman Joy, A.F.S. Ahad Rahman Khan, Mithila Hossain and Nusaiba Fardous
15.20-15.30	1081	Implementation of Machine Learning in Data Analysis of Different Domains of Transportation Engineering	Md. Shadman Sakib Chowdhury, Tasnim Hossain Zarin and Md Bayezid
15.30-15.40	1168	Intersection Geometric Design Modifications and Their Effects on Traffic Conflicts: A Vissim and SSAM-Based Study	K. M. T. Jubaer , M. S. Rahman and M. M. Rahman
15.40-15.50	1217	Vision-Based Real-Time Collision Warning: A Synthetic Data-Driven Adas for Enhanced Road Safety	Busra Jahan Tanu, Md. Shihab Ahmed and Md. Shoaib Ahmed



Technical Session (Physical)	Track: CE Blend-II (Tag-II) (Venue - A: Room No. Ext. 211) Time: 6 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	374	Swat Hydrological Model Development of Dharla River Basin for Future Climate Change Impact Assessment	Fabliha Fairuz , Md. Tamim
16.40-16.50	1424	Experimental Investigation on the Structural Properties of Concrete Reinforced with Steel and Coir Fibers	Md. Hafijul Islam , Md. Towhidul Islam, Md. Bashirul Islam, Md. Nour Hossain, Fahmida Rafiq, and Md. Maruf Hossain
16.50-17.00	1425	Admixture Efficiency in Mitigating Salinity Effects on Concrete Strength and Durability	Md. Hafijul Islam , Shuva Paul, Md. Nour Hossain, Md. Bashirul Islam, Dalia Afap, Fahmida Rafiq, and Arka Prava Das
17.00-17.10	1454	Experimental Investigation on Reducing Dampness Level of Burnt Clay Brick	Mohammad Nasim , Abu Zakir Morshed, Md. Mehedi Hasan Sarker
17.10-17.20	1455	Construction of Eco-Friendly Flexible Concrete Reinforced with Banana and Pineapple Leaf Fiber	Raiyan Azad Hamim , Khalid Afzal Farazi and Md. Golam Mostofa Nayan
17.20-17.30	1466	Evaluation of Low-Cost Filter Materials for Manganese Removal from Groundwater Under Anoxic Conditions	M. N. Bari , M. R. Uddin and M. S. Ahmmed
17.30-17.40	1468	Behavior of Headed Stud Shear Connector Under Cyclic Loading	Md. Belal Hossain , Md. Khasro Miah and A. K. M. Ruhul Amin
17.40-17.50	1469	Seismic Performance Analysis of Shear Wall Placement in RC Buildings with Varying Aspect Ratios	Md. Kowsar Mahmud , Md. Khasro Miah, Yousuf Ali, and Md. Rakibul Hasan
17.50-18.00	1472	A Review on the Utilization of Plastic Waste for Sustainable Flexible Pavement in Bangladesh	Saad Raiyan Sanim , Musrat Jahan Rafa, and Mohei Minul Islam



Technical Session (Physical)	Track: Environmental Engineering-VII (ENV-VII) (Venue - B: Room No. Ext. 213) Time: 6 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	97	Environmental Life Cycle Assessment of AAC Block: A Factory-Based Case Study in Bangladesh	Md. Rumman Howlader , S. M. Moniruzzaman, Musarrat Zabin Mubasshira
16.40-16.50	1193	Health and Safety Consequences of the 2025 California Wildfires: A Review	Quazi Sakib Fuad, Md. Al Amin, Md. Mahmudur Rahman, Md. Shafiquzzaman and Md. Sabbir Hossain
16.50-17.00	1197	GIS-Based Route Optimization for Faecal Sludge Collection in Khulna City Corporation	Yeasmin Aktar , Md Shofiquil Islam, and Quazi Hamidul Bari
17.00-17.10	1214	A Life Cycle Assessment Approach to Quantify the Emission of Greenhouse Gases Through Municipal Solid Waste Management System in Chattogram	Pragga Paromita Paul, Quazi Hamidul Bari, Md. Al Amin
17.10-17.20	1229	Spatial Analysis of Multi-Hazard Risks in the Halda River Basin Through AHP-Based Modeling	Rifat Sharker, Umme Tahera Tun Humayra , Rokshana Pervin, Md. Rabiul Islam, Md. Biplob Hosen, Mst Kaniz Fatama
17.20-17.30	1234	Comprehensive Risk-Based Assessment of Heavy Metal Contamination in River Water and Sediment Across the Himalayan Rivers	Ashiqur Rahman , Md Al Amin and Khondoker Mahbub Hassan
17.30-17.40	360	Drought Susceptibility Assessment for Barind Tract in Bangladesh Using Multivariate Statistical Analysis and Geospatial Techniques	Ahmadullah Zaman , Yeasmin Aktar and Sajal Kumar Adhikary
17.40-17.50	1281	Biocrude Production from Fecal Sludge: Insights from A Hydrothermal Liquefaction Pilot Plant	Khaled Mohammad Nasim , Md. Rahatul Islam, Nafis Ahamed Pantho, Dipa Chowdhury, Dr. Md Khalekuzzaman
17.50-18.00	1305	Powering Dhaka's Circular Economy Through Hydrothermal Liquefaction: Sustainable Sludge Management at the Dasherbandi Sewage Treatment Plant	Nafis Ahmed Pantho , Md Rahatul Islam, Dipa Chowdhury, Khaled Mohammad Nasim, and Md Khalekuzzaman



Technical Session (Physical)	Track: Water Resources Engineering-III (WRE-III) (Venue - C: Room No. Ext. 212) Time: 6 Feb. 2026, 16:30-18:00		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	968	Comprehensive Assessment and Spatial Mapping of Surface Water Quality for Irrigation Using GIS in the Southeastern Region of Bangladesh	M. H. Ali, P. S. Sarker, A. R. A. Bhuiyan, M. R. A. Mullick
16.40-16.50	1329	Analysis of Depth and Velocity Around Bandal Structures Constructed in the Alaikhal River, Jamalpur	Md. Johurul Islam and K. M. Ahtesham Hossain Raju
16.50-17.00	1442	Comparative Analysis of Two-Dimensional Flow of Mongla River Using HEC-RAS and DELFT3D	Md. Arafat Rahman Pranto, Md. Shahjahan Ali, M. Mubtasim Fuad Dip , Mehedy Hasan Munna, and Md. Motiur Rahman
17.00-17.10	1448	Environmental Flow Assessment for the Ganges-Padma River at Hardinge Bridge Point	Ashit Barun Shil , Md. Shahjahan Ali
17.10-17.20	1449	Distribution of Heavy Metal Concentration in the Water and Riverbed Sediment of Pussur River	Aminul Islam, Md. Shahjahan Ali, Motiur Rahman
17.20-17.30	1450	A Comparative Flood Risk Assessment of Mongla and Sharankhola Upazila Using Ahp-Gis Integration	Tonmoy Das , Dr. Md. Shahjahan Ali, Meherab Hossain
17.30-17.40	1467	Feasibility Assessment of Kaptai Reservoir Water for Irrigation Purpose at Selected Gross Commanded Areas of Chattogram District Depending on B/C Ratio Analysis	S. Acharya , S. M. F. Ruhani, T. B. Khaled, A. M. Mithun



Technical Session (Physical)	Track: Environmental Engineering-VIII (ENV-VIII) (Venue - D: Room No. Ext. 214) Time: 6 Feb. 2026, 16:30-18:00		
	Time	Paper ID	Paper Title
16.30-16.40	1309	Peat-to-Biocrude Via Hydrothermal Liquefaction: Unlocking a Promising Pathway for Sustainable Energy	Dipa Chowdhury , Md. Rahatul Islam, Nafis Ahmed Pantho, Khaled Mohammad Nasim and Md Khalekuzzaman
16.40-16.50	1326	Exploring the Solid Fuel Potential of Biochar Derived from Hydrothermal Liquefaction of Lignocellulosic Biomass	Md. Rahatul Islam , Nafis Ahmed Pantho, Dipa Chowdhury, Khaled Mohammad Nasim, Md Khalekuzzaman
16.50-17.00	1393	A Remote Sensing Odyssey on Perspective of Humanitarian Engineering: Drought Mapping for Khulna by Tracking Drought Parameters	Aditya Dev , Shahriar Hossain and Asif Hasan
17.00-17.10	1412	A Baseline Study on Multi-Element Composition and Risk Assessment of Water-Based Architectural Paints in Bangladesh	Tanvir Ahmed , Quazi Hamidul Bari, Md Al Amin, Md Robiullah Faysal Khan
17.10-17.20	1421	Evaluation of Sanitation Service Quality in Railway Stations Using SERVQUAL Model Along the Rail Route from Khulna Station to Ishwardi Station: A Case Study	Md. Emran Hossain and Quazi Hamidul Bari
17.20-17.30	1427	Spectroscopic and Mineralogical Analysis of Indoor Deposited Particles at KUET Campus Using ATR-FTIR and XRD Techniques	Md. Ariful Hasan Fuad , Dr. Khondoker Mahbub Hassan, and Dr. Kazi ABM Mohiuddin
17.30-17.40	1431	Performance Evaluation and Comparative Analysis of Conventional and MBR Technologies for Industrial Effluent Treatment in Bangladesh	S M Sazzad Ahmed Shovon , Arif Shahriyer Shawon, Md. Rakibul Islam, Tm. Mahmudul Islam Sajib
17.40-17.50	1438	Evaluation of Rainfall Variability and Rainwater Harvesting Feasibility in Khulna City Through Machine Learning: A Case Study	Md. Irfanur Rahman , Md. Yousuf Shake, Shoikoth Hossain, Md. Mahmudur Rahman, Md. Al Amin
17.50-18.00	1440	Tempfusion: An Integrated Time-Series Approach for Global Temperature Anomaly Forecasting and Climate Trend Analysis	Kamrul Hasan Rumon , Al Amin Tanmay



Technical Session (Virtual)	Track: CE Blend-v2 (TAG-v2)		
	(Venue - E: Room No. CE 310) Time: 6 Feb. 2026, 16:30-18:00 Zoom Id: 970 3302 1422 Passcode: 0000		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	1435	Hydro-Morphological Assessment of Sangu River and Afforestation for Dry Season Flow Augmentation	Bushra Monowar Duti, Md. Jahir Uddin and M. Monowar Hossain
16.40-16.50	582	Integrating Seasonality, Supply and Demand in Water Pricing Model: A Case Study for Chattogram City	Shrutokirty Banerjee, Farzia Ahmed Rifa , Priya Chowdhury
16.50-17.00	1246	Shanti Nibash Residential Area Design: A Case Study of Quaish, Chattogram	A.S.M Mahmudul Hassan, Chayon Dav Nath, Abhi Chowdhury and Md. Shah Alam Sarker
17.00-17.10	1269	Performance Evaluation and Design Assessment of the Azizer Moor Secondary Transfer Station for Sustainable Solid Waste Management in Khulna City	Sourav Saha, Khondoker Mahbub Hassan, Asm Rokibuzzaman, Islam M. Rafizul, Senta Berner, Abir Ul Jabbar
17.10-17.20	1321	An Experimental Investigation on the Hydraulic Performance of Rectangular Labyrinth Weir: Influence of Cycle Number	Musarrat Mubasshira Atiya and K. M. Ahtesham Hossain Raju
17.20-17.30	1443	Synthesis and Characterization of Biodiesel Derived from Waste Coconut Oil and Mustard Oil CE Blends Through Base- Catalyzed Transesterification Process	Abir Hossain Shaon , Rashidunnby Ratul, Md. Shawon Ahmed, Muhammad Zulqar Nain Khan and Mohammed Mazhab Ullah Chowdhury
17.30-17.40	1446	A Comprehensive Review on the Assessment of Physico-Chemical Properties and Potential Reuse of Textile Sludge from Bangladesh's Textile Industries	Kazi Md. Asif, Md. Faisal Ferdous, Abdul Jaher , K.M. Rafid Mustafi, Eshnul Huq, Md. Miran Hossain
17.40-17.50	1470	Performance Evaluation of a Small-Scale Trickling Filter: An Experimental Study	Md. Mashudul Islam Alvi , Md. Shepon Hoshen, Susmith Kundu, Mohammad Saiful Islam, Sudip Kumar Pal
17.50-18.00	1471	Study of Simulation-Based Modeling of a Plug Flow Tank and a Membrane Bioreactor Under Stochastic Influent Conditions	Susmith Kundu , Tasnim Tarannum Jarin, Mohammad Saiful Islam and Sudip Kumar Pal



Technical Session (Virtual)	Track: Water Resources Engineering-v2 (WRE-v2) (Venue - F: Room No. CE 309) Time: 6 Feb. 2026, 16:30-18:00 Zoom Id: 992 6707 6419 Passcode: 1111		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	300	Predictive Modeling of Suspended Sediment Load in the Surma River Using Machine Learning Approaches	Saifullah Mansur Akil , Abrar Mahmood Chowdhury, Gulam Md. Munna, Ahmad Hasan Nury, Md. Misbah Uddin and Tajmunnaher
16.40-16.50	301	Trend-Based Correlation Analysis of Precipitation and Discharge in the Upper Padma River During the Dry Season (1990-2019)	Rubayatul Islam Oishe , Md. Modasshir Rokon and Pollen Chakma
16.50-17.00	387	Sensitivity Analysis of Grain Size and Channel Opening Width on Sediment Transport in Bifurcated Reach	Md. Balayet Hossain , K. M. Ahtesham Hossain Raju and Md. Aliur Rahman
17.00-17.10	418	Flood Hazard Mapping for Faridpur and Manikganj District in Bangladesh Using HEC-RAS and Multi-Criteria Analysis	Abrar Galib Bhuiyan
17.10-17.20	491	Evaluating the Potential of Treated Wastewater as a Sustainable Resource in Meeting Urban Water Needs Across Bangladesh	Farhad Tasneem , Md. Sabbir Rahman, Sabbid Ibnul Gafur Shuvo and Tanmay Chaki
17.20-17.30	684	Streamflow Forecasting Using Arima-Based Time Series Model - A Case Study on Gorai River in Bangladesh	Md. Jahidul Alam , Md. Aquib Jayed, Sajal Kumar Adhikary
17.30-17.40	1163	CFD-Based Analysis of Turbulent Flow Around Cylindrical Piers in Tandem Arrangement	Asif Bin Ferdous, Md. Samiun Basir and Md. Rimon Azad
17.40-17.50	1175	Water Footprint Assessment of Cotton Cultivation and Textile Industries in CEPZ, Chattogram	Rajesh Sen Gupta , Fatema Tuj Jahara
17.50-18.00	1211	Sustainable Textile Wastewater Treatment Plant Via Integrated Physico-Chemical and Biological Approaches in Bangladesh	Md Mohsin , Md. Mehedi Hasan



Technical Session (Virtual)	Track: CE Blend-v3 (TAG-v3)		
	(Venue - G: Room No. CE 308) Time: 6 Feb. 2026, 16:30-18:00 Zoom Id: 959 1841 2117 Passcode: 2222		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	903	Geopolymer-Based Deep Mixing of Soft Soil: An Eco-Friendly Alternative to Cement Stabilization	Most. Mukta Banu and Md. Aftabur Rahman
16.40-16.50	1231	Pavement Stabilization in Bangladesh: A Review of Conventional and Emerging Techniques	Jannatul Ferdows Nowrin , and Mohammad Shariful Islam
16.50-17.00	1355	Calibration and Validation of Vissim Model for Heterogeneous Traffic in Bangladesh	Md. Latifuz Zaman , Nusaiba Fardous, Md. Shahid Mamun
17.00-17.10	1390	Seismic Response Assessment of RC Frame-Shear Wall Buildings with Vertical Setback Irregularities	Ankan Barua , Sohel Rana, A. H. M Shahidul Islam and Shafayat Bin Ali
17.10-17.20	1406	Seismic Damage Assessment of Buildings Using Random Forest	Md. Ismail Monsury, Sohel Rana , A. H. M Shahidul Islam, Shafayat Bin Ali and M. Abdur Rahman
17.20-17.30	1413	Performance-Based Seismic Design of Reinforced Concrete Buildings Considering Effect of Soil-Structure-Interaction	Sohel Rana , M. Abdur R. Bhuiyan and Md. Rabiul Alam
17.30-17.40	1433	Structural Performance of Reinforced Concrete Beam-Column Joint Retrofitted with Carbon Fiber Reinforced Polymer	Md. Jahidul Islam, Sakib Rahman , and Sheikh Muhammad Fahad Bin Imam
17.40-17.50	1434	Investigation of Reinforced Concrete Beam Column Joints with Plain Rebar Under Cyclic Loading	Joarder Md Sarwar Mujib and Md Jahidul Islam
17.50-18.00	1436	Rooftop Connectivity in Dhaka: A Study on Public Perception and Urban Potential Through Qualitative Analysis	Ridwan Noor , Faria Hossain Ikra



8th International Conference on Civil Engineering for Sustainable Development

8th International Conference on Civil Engineering for Sustainable Development (ICCESD 2026)



Closing Ceremony & Conference Dinner



On behalf of the organizing committee, we cordially request your accompany at the Closing Ceremony and Conference Dinner of ICCESD 2026 to be held in accordance with the following schedule.

Your gracious presence is cordially solicited on this auspicious occasion.

Venue : Department of Civil Engineering, KUET, Khulna
Date : 6 February 2026, Friday
Time : 7:00 PM

Professor HM Iqbal Mahmud, PhD
Conference Secretary, ICCESD 2026

Professor Dr. Quazi Hamidul Bari
Conference Chair, ICCESD 2026



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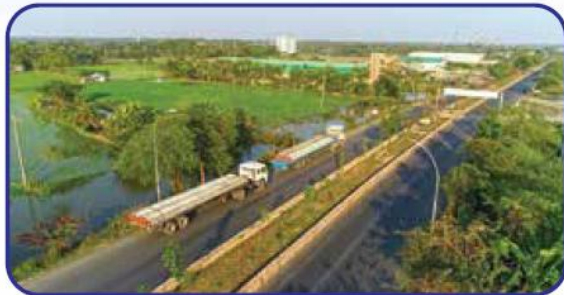
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