1st IUT-ICCET

1st IUT International Conference on Core Engineering and Technology
Organized by:
Faculty of Engineering and Technology (FET)
Islamic University of Technology (IUT)
Organisation of Islamic Cooperation (OIC)
Venue: IUT campus, Board Bazar, Gazipur, Dhaka, Bangladesh
Date: 25-27 April 2025 [Friday-Sunday]

SUMMARY PROGRAM SCHEDULE

Technical Partner

PROGRAM SCHEDULE

Updated: 25 April 11 PM

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Day 1 Schedule

Date: 25 April 2025; Day: Friday

Time	Duration (min), Venue and Description			
14.30 to 16.00 90 minutes	**Multi-disciplinary Technical Session MD1**	Room DLT	Chair	A/Prof. Dr. Amimul Ahsan, CEE, IUT
			Facilitator	Ms. Anika Tahsin Nabila, Lecturer, CEE, IUT
		Paper ID	58, 101, 131, 164, 233	
		Zoom Link	https://bdren.zoom.us/j/99744769831	
14.30 to 16.00 90 minutes	**Multi-disciplinary Technical Session MD2**	Room AQA	Chair	Prof. Dr. Mohammad Monjurul Ehsan, MPE, IUT
			Facilitator	Mr. Tahamid Arshil, Jr Lecturer, MPE
		Paper ID	30, 69, 91, 186, 212	
		Zoom link	https://bdren.zoom.us/j/94206411436	
14.30 to 16.00 90 minutes	**Multi-disciplinary Technical Session MD3**	Room VIP	Chair	A/Prof. Dr Shahriar Shams, UTB
			Facilitator	Ms. Anika Tahsin Nabila, Lecturer,CEE, IUT
		Paper ID	9, 15, 25, 95, 97, 155	
		Zoom link	https://bdren.zoom.us/j/4563339709	

Day 2 Schedule

Date: 26 April 2025; Day: Saturday

Opening Ceremony

Auditorium, IUT
26 April 2025
10:30 AM to 11:15 AM

10:30 AM-	:	Opening Ceremony starts
10:30AM-10:35 AM	:	Recitation from the Holy Quran
10.35AM -10:45 AM	:	Welcome speech by Conference Chair, **Prof. Dr. Md. Anayet Ullah Patwari,** Dean, FET, IUT
10:45AM- 10:55 AM	:	Speech by Chief Guest **Prof. Dr. Md. Rezaul Karim**, Acting Vice Chancellor, IUT
10:55AM -11:00 AM	:	Vote of thanks by Conference Secretary **Prof. Dr. A.R.M. Harunur Rashid**
11:00AM-11:05 AM	:	Conference Kit Handover
11:05AM- 11:15 AM	:	Photo Session
MC: Ms. Fahmida Tabassum Bristy, Lecturer, MPE, IUT		

Note: Opening refreshments will be served from 10:00 AM at Auditorium and registered participants may take breakfast from 7:45 AM to 9:00 AM at Auditorium

Schedule for Keynote Speech

Optimizing Emergency Medical Services Response and Distribution in Saudi Arabia Using GIS, AHP, and Machine Learning

Keynote 1 Speaker: Dr. Mohammed Almannaa, Associate Professor, College of Engineering, King Saud University (KSU), Riyadh, Kingdom of Saudi Arabia (KSA)

Auditorium, IUT

26 April 2025

11:25 AM to 12:25 PM

Chair: Prof. Dr. Shakil Mohammad Rifaat, Head & Professor, CEE, IUT

Facilitator: Ms. Sumaiya Jannat Esha, Lecturer, MPE, IUT

A Model of Spin Diffusion in CPP Spin Valves

Keynote 2 Speaker: Dr. Baye Boucar Diouf, Associate Professor, Department of Information Display, Kyung Hee University, Seoul, South Korea

Auditorium, IUT

26 April 2025

05:00 PM to 06:00 PM

Chair: Prof. Dr. Syed Iftekhar Ali, Head & Professor, EEE, IUT

Facilitator: Ms. Sumaiya Jannat Esha, Lecturer, MPE, IUT

Special Lunch will be served at Auditorium from 12:45 PM to 1:15 PM

Technical Sessions (MPE)

Time	Duration (min), Venue and Description			
8.00 to 9.00 60 minutes	**Technical Session MPE A1**	Room 201	Chair	Prof. Dr. M. Ahsan Habib, MPE, IUT
			Facilitator	Mr. Sefat Mahmud Siddique, Jr Lecturer, MPE
		Paper ID	07, 08, 61, 93	
8.00 to 9.00 60 minutes	**Technical Session MPE B1**	Room 202	Chair	Prof. Dr. A.S.M. Mojahidul Hoque, IPE, JUST
			Facilitator	Mr. Tahamid Arshil, Jr Lecturer, MPE
		Paper ID	107, 174, 217, 228	

9.00 to 10.00 60 minutes	**Technical Session MPE A2**	Room 201	Chair	Prof Dr. Arafat Ahmed Bhuiyan, MPE, IUT
			Facilitator	Mr. Sefat Mahmud Siddique, Jr Lecturer, MPE
		Paper ID	04, 130, 180, 197	
9.00 to 10.00 60 minutes	**Technical Session MPE B2**	Room 202	Chair	Prof. Dr Mahbub Hasan, MME, BUET Dr. Mohammad Nasim, MPE, IUT
			Facilitator	Mr. Tahamid Arshil, Jr Lecturer, MPE
		Paper ID	54, 158, 163	
14.00 to 15.00 60 minutes	**Technical Session MPE A3**	Room 201	Chair	Prof. Dr. Md. Zahid Hossain, MPE, IUT
			Facilitator	Mr. Imrul Kayes, Lecturer, MPE, IUT
		Paper ID	181, 182, 194, 232	
14.00 to 15.00 60 minutes	**Technical Session MPE B3**	Room 202	Chair	Prof. Dr. Md. Sanaul Rabbi, ME, CUET
			Facilitator	Mr. Md. Hasibur Rahman Hamim, Jr Lecturer, MPE
		Paper ID	52, 189, 226	
15.00 to 16.15 75 minutes	**Technical Session MPE A4**	Room 201	Chair	Dr. Md. Mohibul Islam, Associate Prof, IPE, RUET
			Facilitator	Mr. Sifat Abdul Bari, Lecturer, MPE
		Paper ID	29, 92, 246, 247, 248	
15.00 to 16.00 60 minutes	**Technical Session MPE B4**	Room 202	Chair	Prof. Dr. Abu Shadat Muhammad Sayem, ME, CUET
			Facilitator	Mr. Md. Hasibur Rahman Hamim, Jr Lecturer, MPE
		Paper ID	59, 122, 124, 245	
16.00 to 17.15 75 minutes	**Technical Session MPE B5**	Room 202	Chair	Prof. Dr. M Sarwar Morshed, MPE, AUST
			Facilitator	Mr. Md. Hasibur Rahman Hamim, Jr Lecturer, MPE
		Paper ID	62, 249, 250, 251, 252	

Technical Sessions (CEE)

Time	Duration (min), Venue and Description			
8.00 to 9.00 60 minutes	**Technical Session CEE C1**	Room 204	Chair	Prof. Dr. Md. Kamruzzaman, CE, RUET
			Facilitator	Ms. Email Haque Munmun, Junior Lecturer, CEE
		Paper ID	44, 136, 184	
8.00 to 9.00 60 minutes	**Technical Session CEE D1**	Room 205	Chair	Prof. Dr. Hossain Md. Shahin, CEE, IUT
			Facilitator	Ms. Anika Tahsin Nabila, Lecturer, CEE, IUT
		Paper ID	55, 145, 152	
8.00 to 9.00 60 minutes	**Technical Session CEE E1**	Room 206	Chair	Prof. Dr. Md. Tarek Uddin, PEng., CEE
			Facilitator	Mr. Syed Rafiuzzaman, Lecturer, CEE
		Paper ID	109, 120, 125, 128	
9.00 to 10.00 60 minutes	**Technical Session CEE C2**	Room 204	Chair	Prof. Dr. Quazi Hamidul Bari, CE, KUET
			Facilitator	Ms. Email Haque Munmun, Junior Lecturer, CEE
		Paper ID	12, 51, 241	
9.00 to 10.00 60 minutes	**Technical Session CEE D2**	Room 205	Chair	Prof. Dr. Hossain Md. Shahin, CEE, IUT
			Facilitator	Maisha Hossain, Lecturer, CEE
		Paper ID	15, 167, 231	
9.00 to 10.00 60 minutes	**Technical Session CEE E2**	Room 206	Chair	Prof. Dr. Md. Tarek Uddin, PEng., CEE
			Facilitator	Mr. Syed Rafiuzzaman, Lecturer, CEE
		Paper ID	108, 132, 137, 138	
14.00 to 15.00 60 minutes	**Technical Session CEE C3**	Room 204	Chair	Prof. Dr. Md. Rezaul Karim, CEE, IUT
			Facilitator	Mr. Mohammad Abu Umama, Lecturer, CEE
		Paper ID	68, 106, 116, 133	
14.00 to 15.00 60 minutes	**Technical Session CEE D3**	Room 205	Chair	Asst. Prof. Dr. Imran Kabir, CEE, IUT
			Facilitator	Maisha Hossain, Lecturer, CEE
		Paper ID	21, 38, 40	

14.00 to 15.00 60 minutes	**Technical Session CEE E3**	Room 206	Chair	Prof. Dr. S. M. Zahurul Islam, CE, RUET
			Facilitator	Mahanaz Faiza, Lecturer, CEE
		Paper ID	139, 142, 144, 146	
15.00 to 16.00 60 minutes	**Technical Session CEE C4**	Room 204	Chair	Prof. Dr. S. M. Moniruzzaman, CE, KUET
			Facilitator	Ms. Anika Tahsin Nabila, Lecturer, CEE, IUT
		Paper ID	185, 205, 236	
15.00 to 16.00 60 minutes	**Technical Session CEE D4**	Room 205	Chair	Md. Kamruzzaman, PEng., Sub Divisional Engineer, Public Works Department (PWD)
			Facilitator	Mr. Mohammad Abu Umama, Lecturer, CEE
		Paper ID	58, 96, 104, 105	
15.00 to 16.00 60 minutes	**Technical Session CEE E4**	Room 206	Chair	Asst. Prof. Dr. Tanvir Ahmed, CEE, IUT
			Facilitator	Mr. Syed Rafiuzzaman, Lecturer, CEE
		Paper ID	156, 164, 172, 237	
16.00 to 17.15 75 minutes	**Technical Session CEE C5**	Room 204	Chair	Prof. Dr. Quazi Hamidul Bari, CE, KUET
			Facilitator	Ms. Email Haque Munmun, Junior Lecturer, CEE
		Paper ID	3, 100, 238, 239, 240	

Technical Sessions (EEE)

Time	**Duration (min), Venue and Description**			
8.00 to 9.00 60 minutes	**Technical Session EEE F1**	Room 203	Chair	Prof. Dr. Ashik Ahmed, EEE, IUT
			Facilitator	Hayder Jahan Parash, Lecturer, EEE, IUT
		Paper ID	10, 94, 162	
9.00 to 10.00 60 minutes	**Technical Session EEE F2**	Room 203	Chair	Prof. Dr. Mohammad Rakibul Islam, EEE, IUT
			Facilitator	Liman Shams, Lecturer, EEE, IUT
		Paper ID	118, 121, 160	
14.00 to 15.00 60 minutes	**Technical Session EEE F3**	Room 203	Chair	Dr. Mohammad Masum Billah, Asst. Professor, EEE, IUT
			Facilitator	Salman Hossain, Lecturer, EEE, IUT
		Paper ID	113, 119, 135	

Technical Sessions (CSE)

Time	Duration (min), Venue and Description			
8.00 to 9.15 75 minutes	**Technical Session CSE G1**	Room 301	Chair	Dr. Abu Raihan Mostofa Kamal, Professor, CSE, IUT
			Facilitator	Ishmam Tashdeed, Lecturer, CSE, IUT
		Paper ID	204, 216, 227	

Panel Talks

Time	Duration (min), Venue and Description			
14.00 to 17.00 180minutes	**Panel Talks**	Venue: Auditorium 14.00 to 15.30	Moderator	Prof. Dr. Shamsuddin Ahmed, MPE, IUT
			Emerging New Opportunities for Bangladesh and the Role of Engineers	
		Venue: Auditorium 15.30 to 17.00	Moderator	Prof. Dr. Md. Rezwanul Karim, Head, IEE, IUT
			Renewable Energy Technologies: Present Scenario and Future Prospects	

Departure from IUT towards the venue of the Banquet(gala dinner) at 6 PM. Banquet (gala dinner) at a Buffet Restaurant at Uttara will be served from 7:00 PM to 8:30 PM

Day 3 Schedule

Date: 27 April 2025; Day: Sunday

IUT-ICCET Conference Tour: Exploring Dhaka City's Landmarks

On the concluding day, 27th April 2025, of the 1st IUT International Conference on Core Engineering and Technology (IUT-ICCET), participants are invited to embark on a comprehensive tour of Dhaka city's significant locations. The tour will follow this itinerary:

1. Masjid-Al-Mustafa: A stunning spiritual landmark on Madani Avenue, near United University and the Bashundhara Residential Area, designed with a Kaaba-inspired black exterior and golden calligraphy. Its grand Kalima Tayyiba inscription shines as a beacon of faith.
2. National Parliament House: An architectural masterpiece designed by Louis Kahn, representing the heart of Bangladesh's democratic governance.
3. University of Dhaka (DU): One of the oldest and most prestigious universities in the country.
4. Bangladesh University of Engineering and Technology (BUET): A leading institution of engineering education.
5. Lalbagh Fort: A 17th-century Mughal fort showcasing historical architectural brilliance.
6. Bashundhara Shopping Complex: A modern commercial hub representing Bangladesh's contemporary urban development.

Participants interested in joining this comprehensive tour can register for **a fee of 1500 BDT**. The fee includes transportation and lunch. This tour promises an enlightening journey through Bangladesh's historical, cultural, and architectural landscape. Interested conference attendees are encouraged to register early to secure their spot on this memorable excursion.







