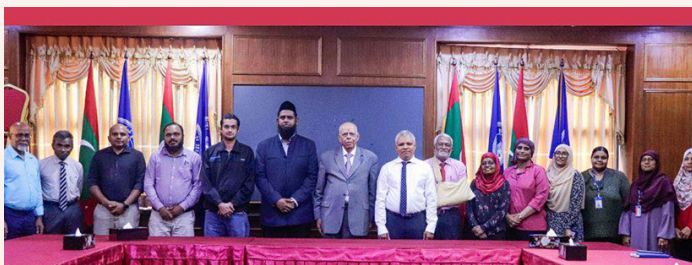


## The First Technical Conference by the Faculty of Engineering Science and Technology.

The first technical conference organized by the Faculty of Engineering Science And Technology was held from November 15 to 17, 2023. The theme for the conference was Research and innovations in Engineering, Science and Technology towards Sustainability.

ICEST 2023 served as an illustrious platform uniting visionaries and experts across the realms of Engineering, Science, Technology, and Sustainable Development. This gathering facilitated a premier avenue for researchers, academic scientists, and scholars to showcase their latest innovations and engage in robust discussions concerning the dynamic trends in engineering, science, and technology geared towards sustainable development.



The conference, orchestrated by the Faculty of Engineering, Science, and Technology, received invaluable support from international scholars. It was orchestrated with the primary goal of cultivating a thriving research culture, encouraging faculty members to craft and share their research findings, subsequently publishing them in esteemed Scopus indexed journals. This initiative was pivotal in elevating the faculty's presence within academic circles and fostering collaboration with active scholars, propelling them forward on the path of academic excellence.

The conference aimed to amplify research initiatives among students and staff, enhancing their research skills and supervisory capacities, thereby enriching the academic landscape.

Keynotes from world renown researchers from various universities presented their research. This includes professor Ugail who is well known researcher in the area of computer vision.

In the opening and closing ceremony of the ICEST 2023, awards were given to acknowledge the remarkable achievements and contributions made by individuals.

Mr. Abdulla Afeef, a Senior Lecturer in the Department of Architecture, was bestowed with the esteemed Best Paper Presentation Award, recognizing his exceptional presentation and contribution to the field.

Mr. Rashnan Mohamed Shihab, currently pursuing a Bachelor of Computer Science, has been honored with the Best Student Presenter Award.

Dr. Nor Asilah Wati Abdul Hamid was honored with the Best Paper Award.

Dr. Usman Ullah Sheikh was presented with the esteemed Best Innovation Toward Sustainable Development Award for his remarkable contributions.





# FEST Student Travel to China

By Rashnan Mohamed Shihab - Bachelor of Computer Science

For the first time in its history, Maldives has received the opportunity to participate in the Huawei Seeds for the future program. Two students were chosen as representatives of the country, one from the Faculty of Engineering Science and Technology, MNU, to go on a cross-cultural experience to China. However, our journey in this program began long before their departure.



Tackling Today

We enrolled in the program's online academy courses, where we were taught the hidden complexities of new exciting technologies such as 5G, Digital Power, AI, and Cloud Infrastructure. During this



time, we Maldivians were grouped up with four Sri Lankan students as we tackled key problems across the globe. Our group submitted a proposal aimed to solve food shortage and wastage, while taking full advantage of the technologies we were briefed on in our sessions. Once we were done, it was time to fly!



But just before that, a commencement meeting was held in Sri Lanka on 13th Sep 2023, where we met up with our teammates and we left off to begin our 1-week journey in China.



So, what's behind the walled garden that is China?

## Fascinating Insights

Electrical power, 5G networking infrastructure, and many more. One of the items on display in the Huawei Exhibition Hall was a prototype model of the router used in the Thailand Cave Rescue mission.

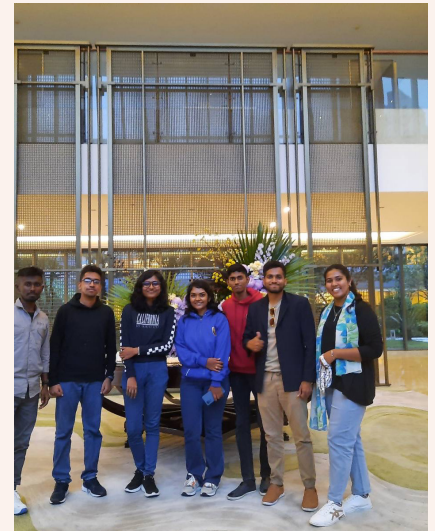


## Breathtaking scenery

China is often thought to be full of skyscrapers but that doesn't mean it's free from the beauty of natural landscape. Visiting Guangzhou, Shenzhen and Shanghai all in one week, there's no time to stop exploring!

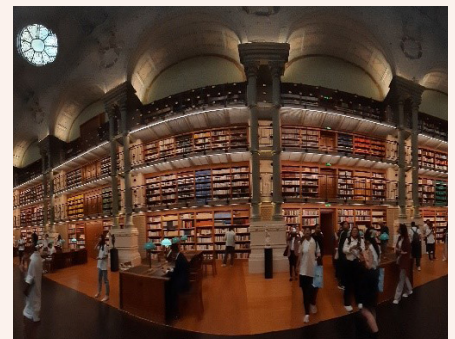
## A mix and match of cultures

More than 90 students from across all of Asia, participated in this program. Bangladesh, Malaysia, Japan, you name it, they were there! Full of diverse cultures, this is the perfect place to expand perspectives and forge lifelong bonds.



## Final words

This magnificent journey was definitely an unforgettable event full of knowledge and memories, so we will make sure to treasure these memories and use this newfound knowledge to its fullest.





# Unveiling the Coastal Wonders of K. Thulusdhoo

By: Hassan Shiraz - Department of Engineering

We are excited to share the enriching experience of our recent field trip to K. Thulusdhoo, Maldives, as part of the subject BES409 Coastal Engineering. This educational adventure was designed to introduce students to the coastal environment, provide insights into coastal engineering projects, and collect vital coastal data. Over two days, our students studied the coastal dynamics and protection structures of the island.



Exploring the Coastal Environment

The first day of our expedition led us to the pristine shores of the main beach in K. Thulusdhoo. Here, our students engaged in data collection, beach morphology studies, and observations of the coastal environment.

## Erosion Observations

During our exploration, we observed ongoing efforts to combat erosion on the island. From revetments safeguarding reclaimed shores to the construction of a new groyne, it was evident that K. Thulusdhoo is committed to preserving its precious coastline. While some areas showed signs of past erosion, the newly established shoreline with revetments provided a stronger defense against further erosion.



Beach Morphology Unveiled

The beach in K. Thulusdhoo belongs to the stable and calm category known as a “dissipative beach.” Its tranquil nature is attributed to the presence of a nearby reef that acts as a natural barrier, reducing the energy of waves before they reach the shore. This revelation is crucial for understanding the island’s coastal dynamics and ensuring its safety for residents and tourists alike.



Insights into Coastal Structures

On the second day, we embarked on a tour of various coastal structures that play a pivotal role in preserving the island’s shores. Our students meticulously examined the coastal protection structures, uncovering the island’s robust coastal infrastructure. The master plan provided valuable insights into the island’s future development.

Notably, most of the structures are in good condition, reflecting the island’s commitment to maintaining its coastal defenses

Our students also had the unique opportunity to perform aerial photography of the island, capturing the dynamic landscape from above.



Field Trip Recommendations

In conclusion, our field trip to K. Thulusdhoo was a resounding success. It provided invaluable hands-on experience and a deeper understanding of coastal engineering and the coastal environment.










The Department of Engineering remains dedicated to providing practical and immersive learning experiences, preparing our students for a future in coastal engineering.



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