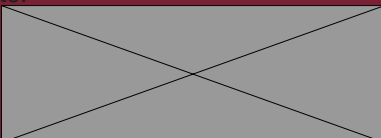# GIS short course under UN4DRR project

The UN4DRR project of FEST has run a short course on Geographic Information Systems (GIS). The course was held from March 28 January – 10th February 2023, which brought together 15 participants from various fields aiming to learn Geographic Information Systems and its usage relative to their fields. The course was conducted in the newly established Geospatial Lab at MNU. The 15 participants in the GIS short course come from a variety of fields related to disaster risk reduction, including government agencies, non-governmental organizations, and academia. The course will provide them with valuable skills and knowledge that they can apply in their work. The course was also tailored to the needs of the participants, with a focus on practical applications and hands-on exercises.

GIS is a powerful tool for visualizing, analyzing, and interpreting data related to disaster risk reduction. The course will cover topics such as data collection, mapping, spatial analysis, and modeling using GIS software. Participants learned how to apply GIS techniques to various contexts of their interests.

The course is part of the UN4DRR project's efforts to build capacity in the University and to expand geospatial data exploration and usage in the Maldives. The GIS short course being run by the Maldives National University and the UN4DRR project is an important step in building capacity in disaster risk reduction in the Maldives, as UN4DRR project focuses specifically on DRR in the Indian Ocean Rim Countries.

Expanding minds . . . extending horizons
Faculty of Engineering Science and Technology

Cybersecurity Workshop 2023

The Faculty of Engineering, Science, and Technology organized a Cybersecurity Workshop on 5th and 6th of March, 2023, at the Business School Auditorium in collaboration with A-Networks Private Limited. The primary objective of the event was to educate the IT sector personnel of the Maldives on the modern-day pertinent topic of Cybersecurity and offer an in-depth look at how national and international organizations are building their cyber-defenses in an increasingly vulnerable environment.

According to Cybersecurity Ventures' "2022 Official Cybercrime Report," "The worldwide cost of cybercrime is predicted to hit $8 trillion in 2023 and will grow to $10.5 trillion by 2025."

The Workshop was conducted by a renowned Certified Cybersecurity Trainer from Sri Lanka who has decades of experience in the industry, he offered practical knowledge to develop an IT community equipped with cyber threat intelligence as cyber-attacks keep escalating in our country. This provided the participants with an understanding of the cyber-resilience capability while also providing a glimpse into the future of Cybersecurity.

The event was attended by our students, representatives from public institutions, representatives from Government offices/departments, IT/Security personnel from the tourism industry and IT/security staff from leading private companies.

The workshop covered the important topics like Cyber Security Awareness, Technology – Threat – Security Evolution, Threat Actors, Cyber Security Incidents, Cyber Security Solutions, Cyber Security Threats & Attack Vectors, Hacking Demonstration, Cyber Crimes, Social Engineering, ATM & Cards Frauds, Ransomware, Social Media, Best Practices, Fundamentals of Cyber Security, Principles of Cyber Security, Cyber Security Roles, Cyber Security Certifications, Network Security, Operating Systems Security, Application Security, Data Security, Firewall, Intrusion Prevention System/Intrusion Detection System (IPS/IDS), Web Application Firewall (WAF), Web Gateway, Mail Gateway, End Point Protection, Data Classification & Data Loss Prevention (DLP), Application Protection, Authentication, Authorization, Accountability (AAA), Security Information and Event Management (SIEM), Remote Access VPN (SSL/IPSEC), Network Access Control (NAC), Privileged Access Management (PAM) and Encryption.

FEST intends to continue the success of this event by organizing repeated sessions on regular intervals to ensure maximum coverage and awareness to the Maldivian community.

Student Mobility Program- CHILDRN project

The Maldives National University (MNU)/Faculty of Engineering, Science, and Technology is a partner institution of the Erasmus+ project "Climate Change Diplomacy, Leadership, and Resilience (CHILDRN 2019/C 373/06)." CHILDRN project is designed to build the capacity of the Maldives National University in the area of Climate Change. The project's aim is to reinforce educational and research capacities on climate change in the Maldives. CHILDRN will strive to empower Maldivian society to tackle the pressing issue of climate change in the fields of climate diplomacy, leadership, and resilience.

One of the main objectives of the CHILDRN is to have mobility programs for the professors and the students among the partner institutes. The first round of the student mobility program was initiated in February 2023. The Dean of the Faculty, Mr. Adam Khalid, has welcomed the first batch of international students to the Maldives National University/Faculty of Engineering, Science, and Technology. Mr. Pierre Lamboray from the University of Liege, Belgium, and Ms. Alexandra Králiková and Ms. Veronika Patrnčiaková from the University of Economics in Bratislava are the first batch of students in the first mobility program.

ICEST2023 : CALL FOR PAPERS

The 1st International Conference on Innovations in Engineering, Science and Technology for Sustainable Development (ICEST2023) will be held in Male', Maldives from 15th November to 17th November 2023. The conference is organized by the Faculty of Engineering, Science, and Technology, Maldives National University.

This conference will provide a premier platform for researchers, academic scientists, students, engineers as well as industrial professionals from all over the world to present their recent innovations and discuss the recent trends in the field of engineering, science and technology towards sustainable development.

MAIN TRACKS:

- Electrical Engineering
- Civil Engineering and Architecture
- Information and Communication Technology
- Mechanical and Mechatronics Engineering
- Chemical and Food Engineering

IMPORTANT DATES:

Full paper submission deadline: 10 September 2023

Notification of acceptance: 5 October 2023

Registration Deadline: 15 October 2023

Camera-ready submission: 25 October 2023

SUBMISSION:

Submit your manuscript here: http://lcest.mnu.edu.mv-login_app

PUBLICATION:

All accepted papers will be invited for oral presentation at the conference and published in the AIP Conference proceedings, which are indexed by Scopus.

For further information please contact us.
Thank you and we look forward to seeing you at ICEST2023.