



ANNUAL REPORT

2020-2021



Funded By Ignite, MoIT

Authored by:
National Dialogue on Climate Change

NDCC IN NUMBERS

1000+ MEMBERS



Students and professionals from all over Pakistan



100000+ AUDIENCE REACHED

Through Social and in-person medium

45+ ACTIVITIES



Conducted and facilitated



30+ MENTORSHIPS

From seasoned professionals from industry



150+ TRAININGS

for students and professionals



10+ PARTNERSHIPS

with reputed institutions

20000+
PARTICIPANTS

Educated and impacted



MESSAGE FROM THE FOUNDER

“

Luxuries and capitalist mindset around us has smoke-screened the reality of Climate Change to an extent that its existence has been left largely unacknowledged. Amid widespread ignorance over this pivotal issue, I believed in mainstreaming the discourse on Climate Change. There came the idea of establishing a leading institution to make our youth, professionals and policy makers cognizant of these looming threats. I have observed that studies related to Climate Change are underemphasized nationally despite of it being an ominous threat. I believe, it's a high time to equip our youth with necessary skills to battle it out by nurturing culture of scientific research and reasoning via international collaboration.



MALIHA ABBAS ZAIDI

ACKNOWLEDGEMENTS

DR. IMRAN AHMED, FULLBRIGHT MS. SCHOLAR, RESEARCH FELLOW AT UNIVERSITY OF GUELPH, CANADA, PROFESSOR AT NED UNIVERSITY, KARACHI, PAKISTAN

It's high time to mobilize our youth for meeting climate related challenges. We need to channelize their energy for national good. NDCC is for individuals who are vying for opportunities to make their mark in Climate change research.

DR. RANJAN K. DAHAL, POST DOCTORATE IN GEO-DISASTER MANAGEMENT, JAPAN,

It is a great platform to discuss disaster management and I hope people from all over the world get information about disaster management and learn from this platform. I'll be more than happy to help whenever you need help.

DR. SHABAZ KHAN, DIRECTOR UNESCO OFFICE JAKARTA

It is very important to keep having dialogue, keep on working and continue to create hope. Pakistan is one of the most wonderful countries and our languages, cultures and environment is all very special. We need to have dialogue with people from different walks of life. NDCC must continue this, and it is a wonderful initiative. UNESCO is open to help you, keep asking questions and having dialogue.

MS SIMI KAMAL, FOUNDER AND CHAIRPERSON OF HISAAR FOUNDATION

I am very glad to know that young people such as you are involved in taking such initiatives, as they are our future leaders and policy makers. We need these kinds of forums to teach young people what we learnt in our days.

ACKNOWLEDGEMENTS

DR. BASANTA RAJ ADHIKARI, PHD IN EARTH SCIENCE UNIVERSITY OF VIENNA, AUSTRIA

I am glad to know that National Dialogue on Climate Change is engaging young scientists and policy makers to understand the climate change issues in the Himalayas in the broader context. It is my pleasure as a speaker to share my experiences and ideas about the effect of climate change in the Himalaya and overwhelmed by the active interaction with the audience. I am sure that such kind of interaction program will strengthen the capacity of young graduates and increase global collaboration for the tangible research on climate change issues.

MR. PRASAD VIJAY SANKPAL, DISTRICT DISASTER MANAGEMENT OFFICER, INDIA

I believe Cross-border collaboration is imperative for conclusive research on climate change. I am excited to collaborate with young scientists from Pakistan as science knows no borders and looking forward to render my support to NDCC²⁶

MR. FAWWAD LANGHA, UNITED NATIONS GOOD-WILL AMBASSADOR AND SDGS ADVOCATE AND ACTIVIST

I am very thankful to NDCC; it is a great opportunity for me to share my expertise. It is also a part of learning for me as well.



ACKNOWLEDGEMENTS

MS KHADIJA GHIAS, DEVELOPMENT RESEARCH ASSOCIATE AT ZYMERGEN, CALIFORNIA

I am so glad that you are doing this to bring facts and figures about Climate Change and the myths that are associated with it in Pakistan. I am glad that NDCC has come out and taken this initiative of creating awareness amongst people, which will increase dialogue not only among people but will also go to policy level in Pakistan. Keep up the initiative; I hope to see a lot of good work coming out from you; that is going to have a very positive impact on Pakistan as well on the world.

DR. ANNISA TRIYANTI, POST DOCTORAL RESEARCHER ON WATER AND CLIMATE GOVERNANCE AND YOUNG SCIENTIST REPRESENTATIVE TO THE GLOBAL INSTITUTES OF SUSTAINABLE DEVELOPMENT, THE NETHERLANDS

It is amazing to see that you invite and interact with experts and manage this type of dialogue. It is a good step towards influencing the next generation, to inspire them, to get more knowledge and to be more pro-active in issues of Climate Change and I hope you collaborate with your Government, they should know this initiative, they should support and they should also promote and so this gets implemented in other countries as well.



WATCOM 2020

What's better than to have for the cause than to give an enthralling platform to the participants to let their creative minds go uphill and bring the climate change to its tremendous movement. The creative geeks from typing exuberantly on their keyboard for the article competition, artists washing their brushes for the poster competition, and the brainiacs working out for the quiz competition brought forth and enticing contest.



Webinar Has Pakistan achieved its Green Goal? In Partnership with Hisaar

A series of webinar focused on understanding the Green Goal of Pakistan and its motives. The speakers highlighted that there is a National Climate Change Policy made in 2012, but at the provincial level due to the lack of technical and implementation capacities, it is not been worked on. Also, since 2012 there are many international changes made in such policies like the Paris agreement, SDGs, Gender Action Plan, etc. the policies in Pakistan also need to be reviewed and revised.

Furthermore the speakers added Although Pakistan has achieved SDG 13, the other 16 SDGs are in the red zone.

SDG 6 which is about clean water and sanitation has not been achieved so far which means we are not in a position to celebrate this achievement.

There is a reasonable connection of water with climate change, more than 50% of our water comes from glacial melts and precipitations. Some of the recent projects of the present government like 10 billion tree planting are active and significant

There is a list of initiatives that are announced or started but since the plantation plays vital role in climate change and Pakistan has only about 4-5% of the land is under forest and the global rule is 25% of the land should be a forest. For us, climate change is water change, if we are most vulnerable to climate change that simply means that our population is increasing and ultimately our demand for water is increasing.

The outcomes of the policies should be measured on the ground to understand how much of it have we actually achieved.

International

WEBINARS ON ENVIRONMENT AND CLIMATE CHANGE

Fawad Ali Langah
International goodwill Ambassador,
Global Goodwill Ambassador

Prospects of engaging Pakistan's
youth in SDG's

Dr. Imran Ahmed
Fullbright MS. Scholar, Oregon
State University
Ph.D. Scholar, Iowa State University
Research fellow, University of
Guelph, Canada
Professor NEDUET

Climate Change: A fact or fiction?

Dr. Rafay A.Siddiqui
Ph.D. Water Policy And
management, Atlantic International
University

Flaws in Water resource
management and policy in Pakistan

Dr. Basanta Raj Adhikari
Assistant professor at institute of
Engineering Tribhuvan, Nepal

How does Climate Change effect the
Himalayas?

Ms. Simi Kamal
Founder and Chairperson of Hisaar
Foundation
Former head of grants program at
Pakistan Poverty Alleviation Fund
Recipient of Global Water
partnership award

Why climate change effects women
more than men?

Dr. Ranjan K. Dahal
Post Doctorate in geodisaster
Management, Japan.

Impact of climate change variability
on landslide disasters.

Prasad Sanakpal
19 years of experience in disaster
management and community
development

Involving youth in building
community resilience against
disasters

Dr. Shabhz Khan
Director UNESCO Office Jakarta.
Former Director Research Director
at CSIRO

Implementation of International
Environment Law: Hopes And
Hurdles

Dr. Annisa Triyanti
Postdoctoral Research on Water
and Climate governance,
Copernicus Institute of Sustainable
Development Faculty of
Geosciences

Future of Water and Climate
Governance

Dr. Sohail Kibria
Former Vice President of NESPAK
Head Research NESPAK and
development cell

Introduction to impact of geo-
disasters on environment

Mr. Ali Muslim Amiri
Assistant professor in water and
Environmental engineering
department ,Balkh University
Afghanistan

Impact of Covid-19 on environment

Mr. Amir Gururo
Freelance contributor at BBC (Urdu)
, Dawn and the Friday Times

Pakistan Vulnerabilities to Climate
Change

Dr. Fateh Muhammad Burfat
VICE CHANCEELOR University Of
Sindh

Understanding Climate change in
pakistan.

In Partnership with Sindh University

TRAININGS ON UNDERSTANDING CLIMATE CHANGE AND ITS EFFECTS

First step in fighting a global challenge? It is the recognition of the crisis, and how do we recognize an issue? It comes from awareness. NDCC with just the thing for that, the Collaboration of National Dialogue on Climate Change with the Debating society of Sindh University, Jamshoro. Overcoming the hurdles to educate you about Climate change.

Delivering our promises of educating the youth about Climate Change, which hovers over us as we fought pandemic, NDCC collaborated with Debating Society of Pakistan Study Centre University of Sindh, Jamshoro. Breaking the barriers of lockdown to aware the youth about Climate Crisis, NDCC at its best.

With climate change increasing on a rapid scale, it's important to consider that climate change has had a great impact on each and national prospect of the country. Under emphasized light on tourism; Pakistan's major source of earning and apart from it the great tourist attraction, it was brought to meticulous attention how tourism places were being sabotaged and deteriorated because of climate change. Gilgit Baltistan was the apex of the discussion and the talks revolved on how a transition for a better change could be devised.



Agenda

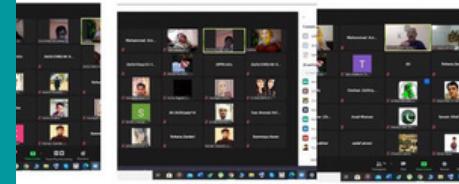
Understanding Climate Change in Pakistan



Achievement Unlocked

70 plus participants

Sindh University x NDCC



**Climate
Leadership for
Gilit Baltistan**

Community Specific Trainings on Waste Management and House waster Composting



Climate change? The combat against it? But how? A successful training session for the youth to engage in the war against climate change where they were let in on the insights packing all the information needed to navigate around the hazardous route climate change has paved for us. The training AKSYBP girls galvanized the cause and the participants emerged with a new visceral.



COLLABORATIONS FOR CLIMATE LEADERSHIP



© : neo_photography

With the ever-changing world and the platform for the motivated to unite for one cause, Ndcc made sure that it's up with the trend. With the participation in 3 Model United Nations and bringing forth the notion NDCC made checked the box for the climate change gaining it's deserving exposure globally amongst the future leaders of the globe.



To ensure that the movement against climate change reached its full extent an environment week from 1st June 2020 to 7 June 2020 was driven with social media influence to enforce the media drive quiz competition was held to make the drive contagious and fruitful spreading as much awareness as possible.

NATIONAL DIALOGUE ON CLIMATE CHANGE

Congratulations

Winners of International Quiz Contest, 2020

2nd Position

NANCY FULAI CHIAGA
CAMEROON

1st Position

MUHAMMAD ADIL
PAKISTAN

3rd Position

BARKHA SOOMRO
PAKISTAN

NDCC.Pk

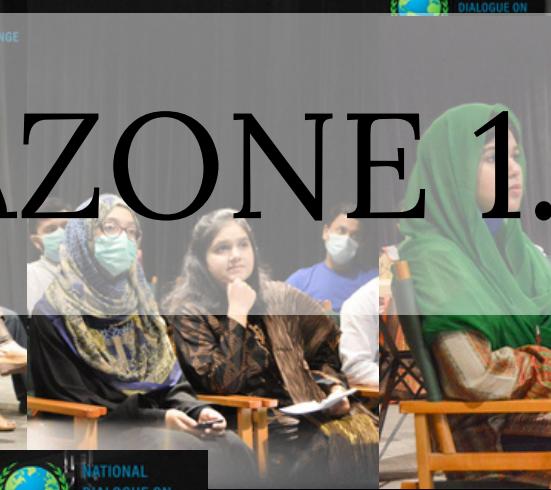
World Environment Week 2020



NATIONAL
DIALOGUE ON
CLIMATE CHANGE

NATIONAL
DIALOGUE ON
CLIMATE CHANGE

CLIMAZONE 1.0



nder/CEO

Speakers



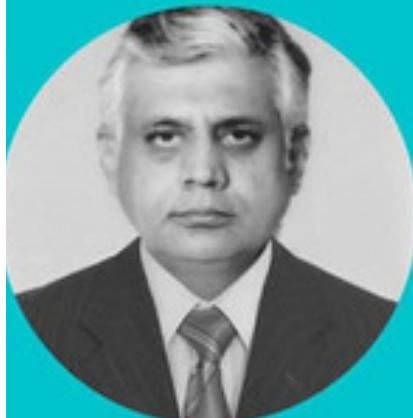
SOHAIL KIBRIA

Head Research & Development



ABDUL QADEER

GM/ Head, NESPAK Islamabad



ADIL NAZIR

Chief Architect



M. SHARIQ AHMED

Chief Environmental Engineer



YASIR ABBAS

Principal Hydrological Engineer

INTRODUCTION

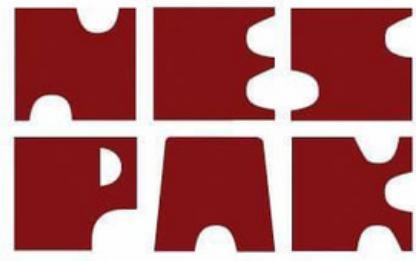
NDCC in partnership with NESPAK organized a first ever training workshop to address diverse climate change-related threats to the construction industry by engaging experts and scientists from Academia and Industry. The workshop was led by high regard speakers who are experts in their fields. The principle focused audience of the workshop were Ph.D. Scholars, Graduate Students, Industrialists, and young professionals working in the field of Climate Change and the Construction Industry.

IMPACT

ClimaZone 1.0 was a great workshop that provided a platform to locals and students to have their say about the current climate change situation and also get the knowledge and insight of it from the top-notch professionals in the industry. An eye-opening workshop on our current worsening climate change situation and its impacts on different industries such as the construction industry, water resources, etc.

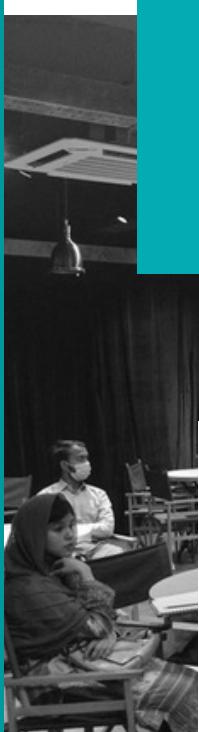
climazone 1.0

OUTCOME



gineering
tan

The outcome was AWARENESS. Locals and students got a chance to have the knowledge they couldn't get anywhere else from. It opened many minds to the current climate change situation for sure. People got to know the impacts of the climate change situation and its impacts on different industries and also got a chance to have their say on it. It was overall a successful workshop that imparted great knowledge and awareness from industry professionals



Dr. Tahir Masood

Managing Director and
President, NESPAK

as our

CHIEF GUEST



LAUNCHING OF CLIMATE MOVEMENT



After the massive success in just a year NDCC decided it was high time to work upon a with a rapid pace to reach father milestones nonpareil to prior climate movements. Tremendous priorities were set to encourage the youth for resistance against the poisoned climate change and to endorse different activities adding up to the reinforcement of the opposition.



Our Mentors

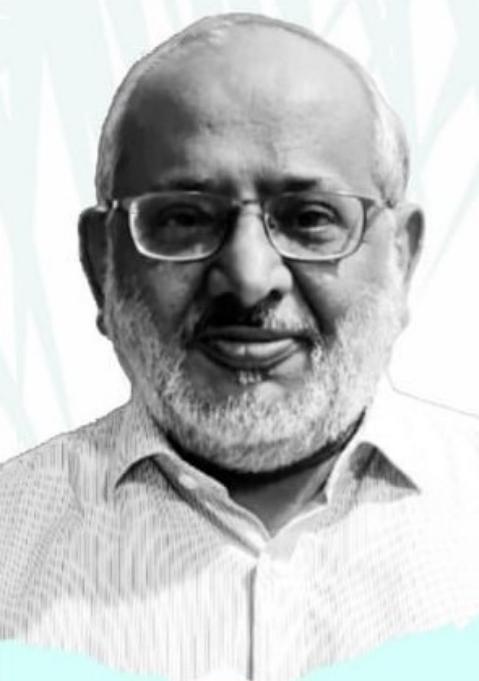
FLOODEX 2021



MR. ARIF HASAN

Recipient of Tamgha e Imtiaz, highest for his outstanding contribution to the field of architecture.

A renowned writer and researcher



DR. BASHIR LAKHANI

Director Water & Energy Division at Techno-Consultant International. An institute himself.



DR. IMRAN AHMED

A Professor at NED University of Engineering and Technology. An authority on water based sciences



MR. SOHAIL KIBRIA

Head of Research and Development cell and Ex Vice President, NESPAK. An institute in himself.



ENGR. YASIR ABBAS

Principal Hydrological Engineer, NESPAK



MR. SOHAIL BASHIR

Chairman at Institute of Professional Engineers. An epitome of excellence in engineering sciences.



INTRODUCTION

Floodex was a two-day workshop held at the National Incubation Centre (NIC), Karachi. The purpose of this workshop was to discuss what can be done regarding the flooding issues that prevail in the country. This workshop included some of the brightest minds of the country who put forward ideas on how to work against urban flooding.



OUTCOME

The outcome of this workshop can be understood by the fact that it gave people a platform to discuss the flooding issue in the country. It raised awareness among the general public. And because of the help of the educated people of Karachi, we now know about the importance of resolving this issue. In the workshop, several issues were given importance and emphasis was made in Solid waste management, Emergency Plan and Action, Effective Flood warning system and implementation of Flood Risk Management Techniques.

IMPACT

It gave a platform to the brilliant minds of the city and the country to come together and share their views regarding the urban flooding issue that is prevailing in Karachi. This workshop also encouraged these bright minds to share their views on how these issues can be resolved.

BUITEMS

Climate Leadership

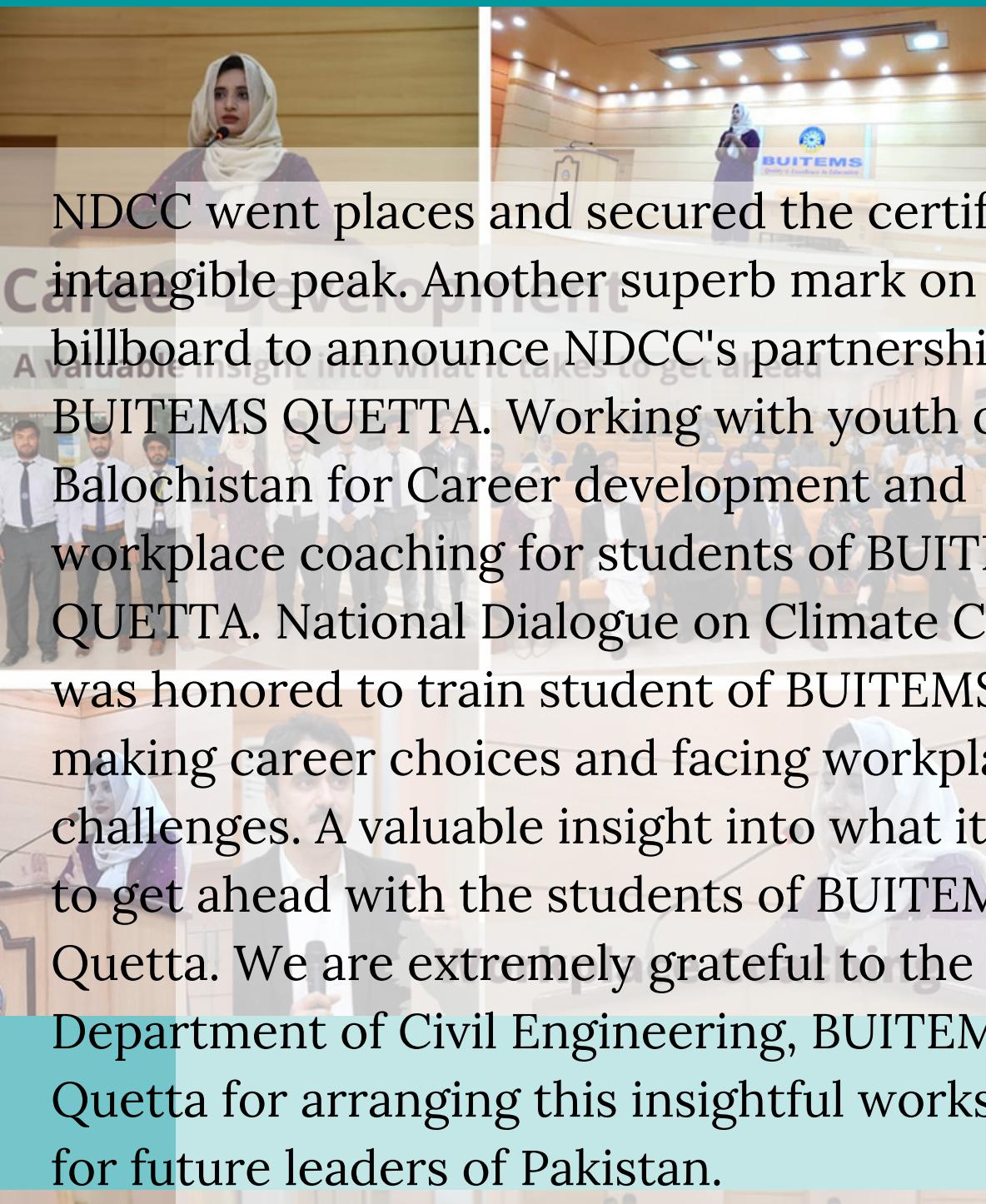
Career Development

Workplace Ethics

Research paper &
Proposal writing







NDCC went places and secured the certifiably intangible peak. Another superb mark on the billboard to announce NDCC's partnership with BUITEMS QUETTA. Working with youth of Balochistan for Career development and workplace coaching for students of BUITEMS QUETTA. National Dialogue on Climate Change was honored to train student of BUITEMS in making career choices and facing workplace challenges. A valuable insight into what it takes to get ahead with the students of BUITEMS, Quetta. We are extremely grateful to the Department of Civil Engineering, BUITEMS Quetta for arranging this insightful workshop for future leaders of Pakistan.

Earth Day 2021

Celebrating Earth Day, 2021 with team National Dialogue on Climate Change at National Incubation Center, Karachi to reassure our commitment for waste free and pollution free Earth.



Earth Day 2021

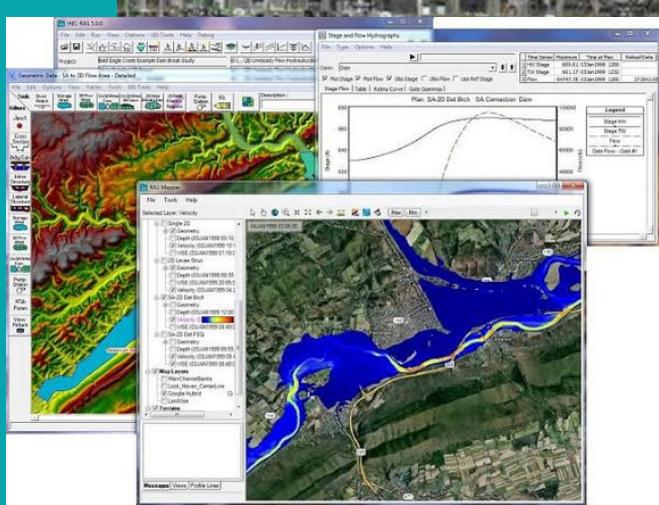
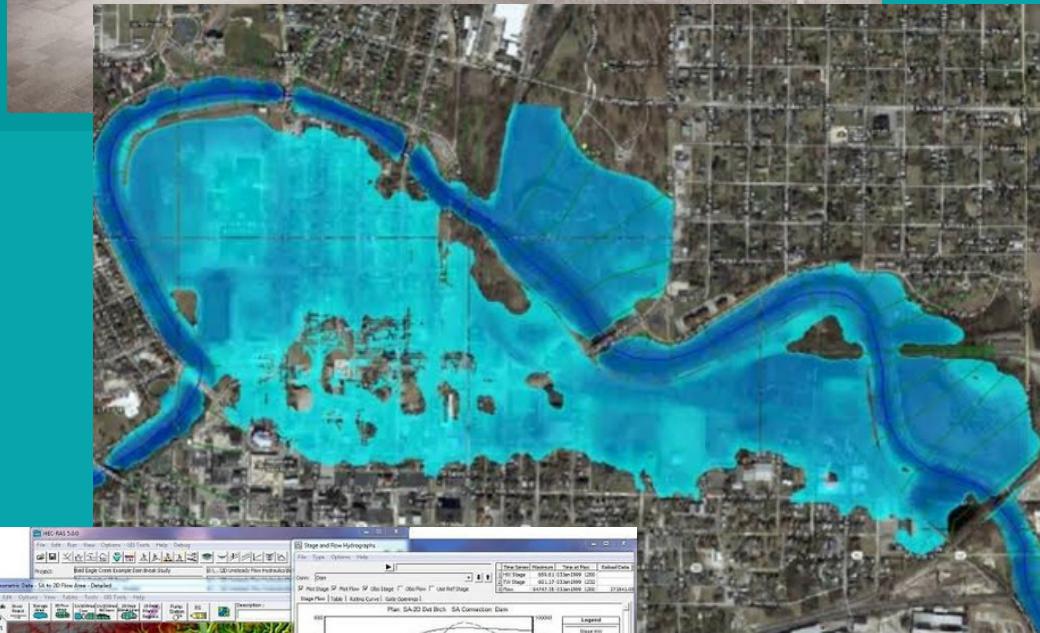


To ensure the cause movement for the climate change was reiterated to its abject potential an array of exceptional contests were held converging the motivations to thrive as one. With competitions giving contenders to devise a recycling expedition, a logo design competition and a pot decoration contest Earth Day was celebrated at its peak at NIC.

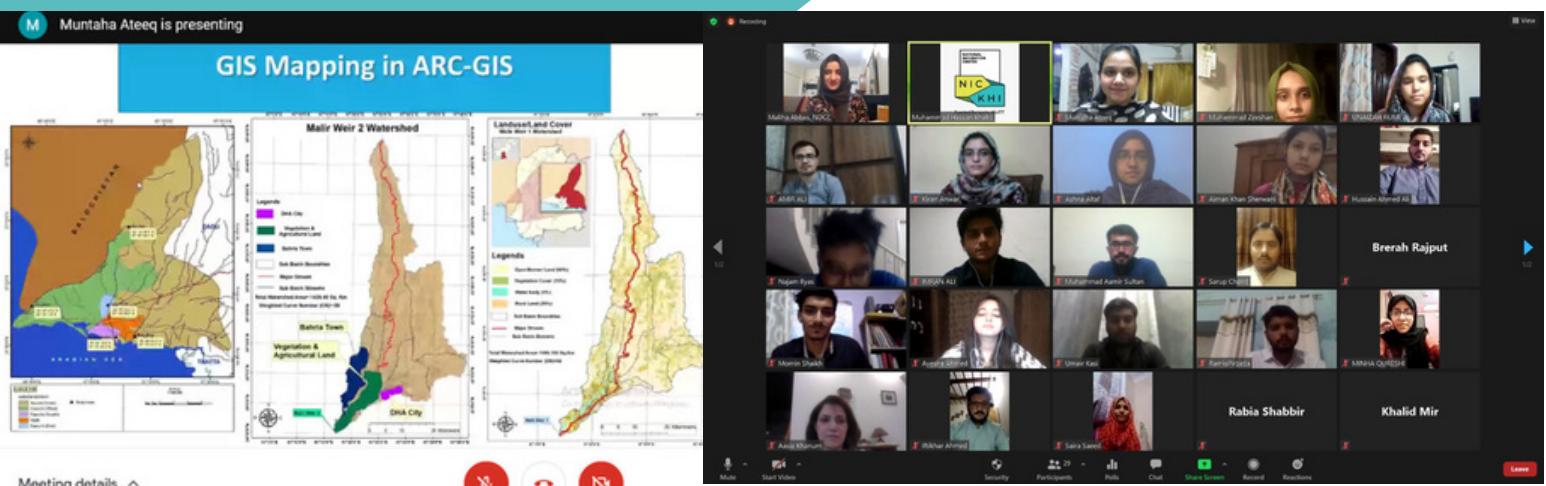
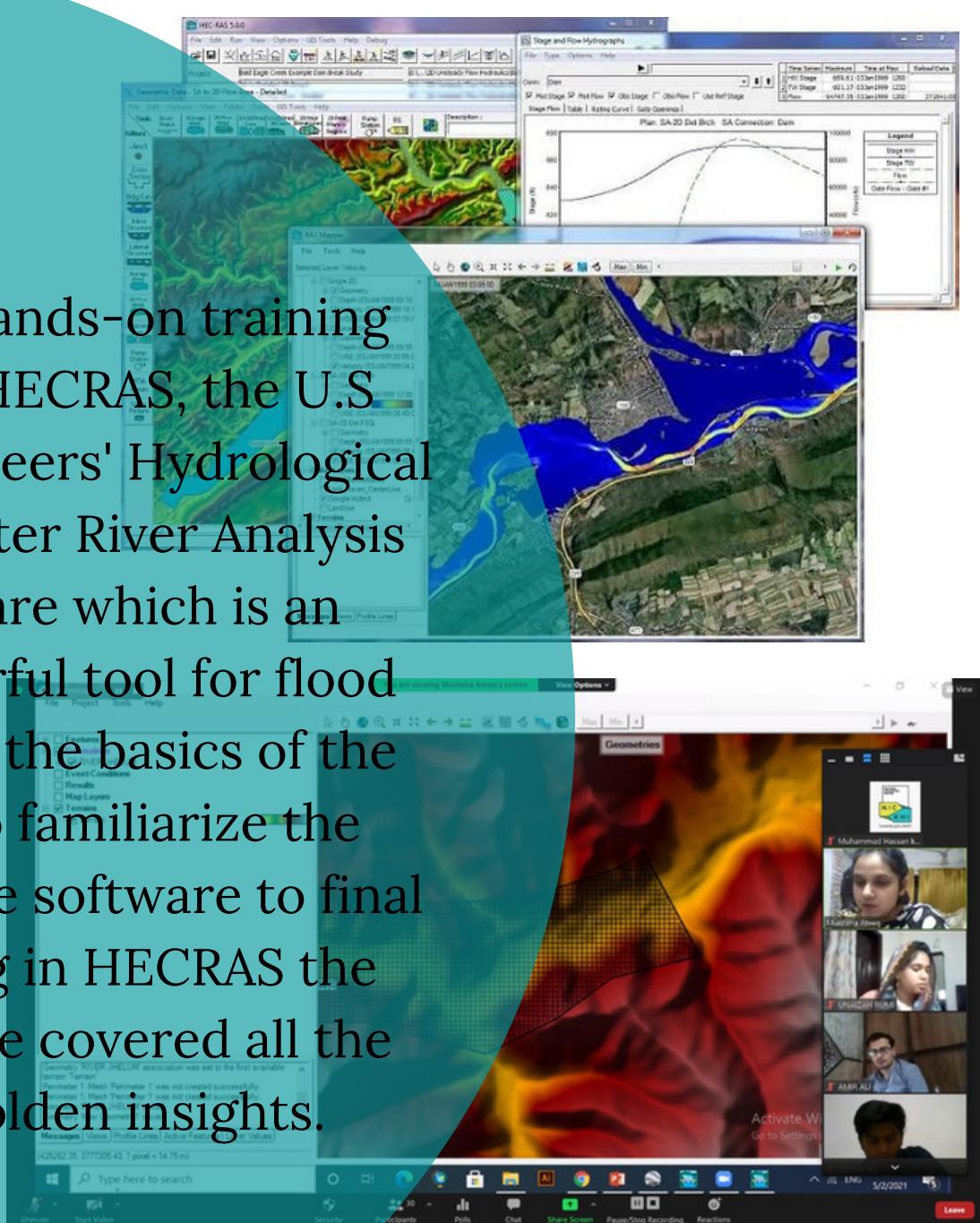


For the futuristics to grasp the expertise over softwares, NDCC arranged an exquisite workshop

Training workshop: GIS and HEC-RAS



Two intensive hands-on training workshops on HECRAS, the U.S Army Corps Engineers' Hydrological Engineering Center River Analysis System Software which is an incredibly powerful tool for flood modelling. From the basics of the introduction to familiarize the participants to the software to final water modelling in HECRAS the workshop outline covered all the deltas with golden insights.



Training students to understand the discourse on Environment protection and preservation and Climate Change

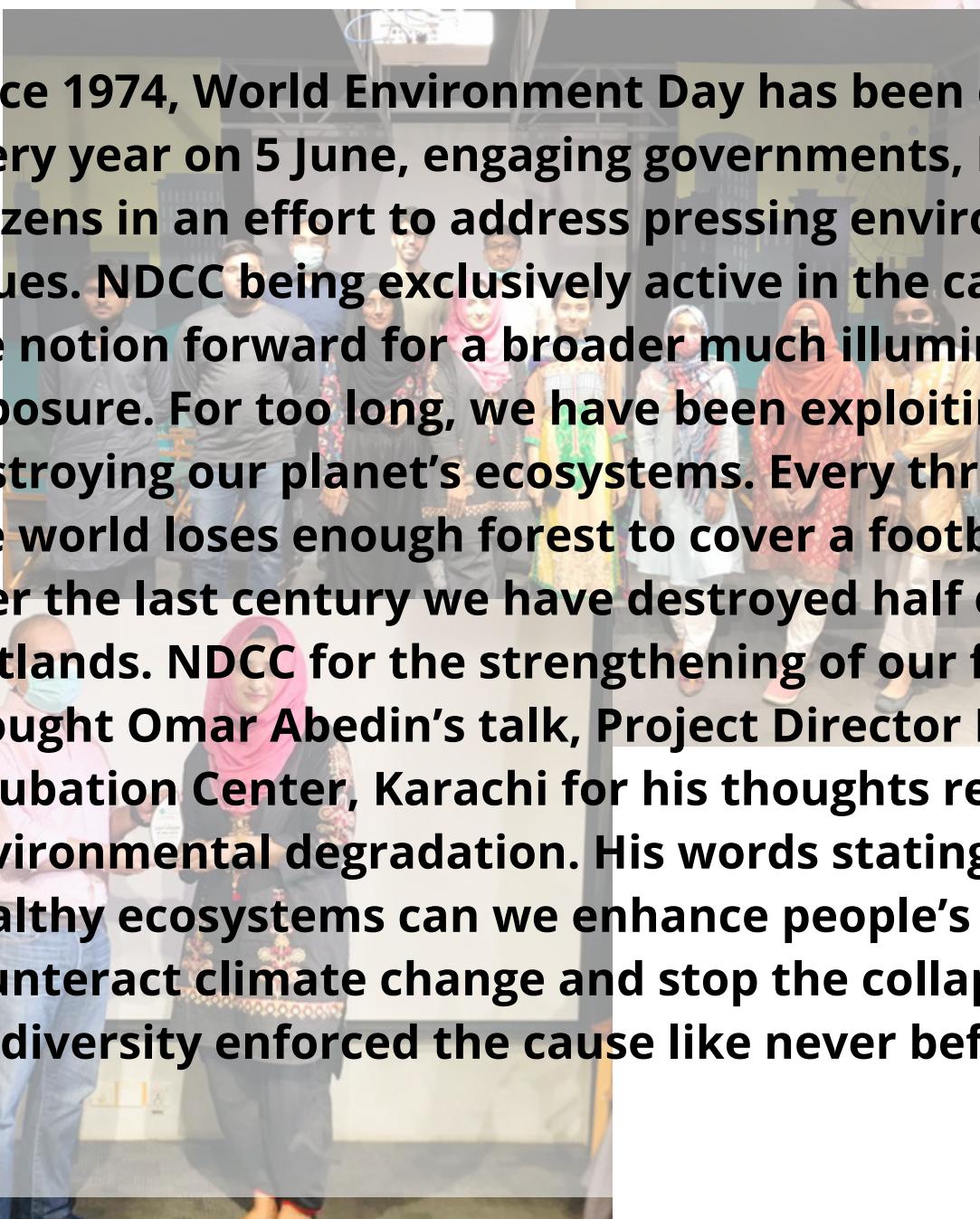
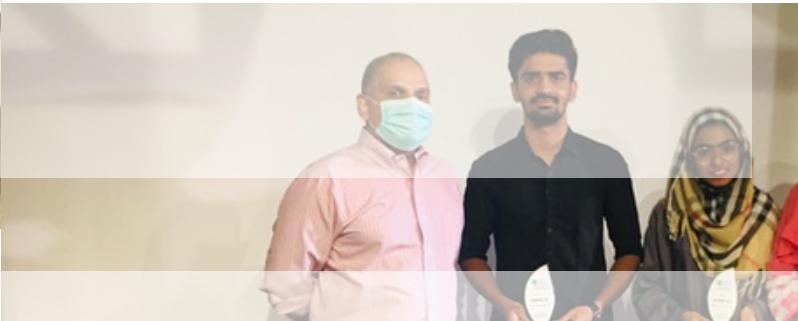


Parliamentary Debate Trainings





World Environment Day 2021



Since 1974, World Environment Day has been celebrated every year on 5 June, engaging governments, businesses and citizens in an effort to address pressing environmental issues. NDCC being exclusively active in the cause brought the notion forward for a broader much illuminated exposure. For too long, we have been exploiting and destroying our planet's ecosystems. Every three seconds, the world loses enough forest to cover a football pitch and over the last century we have destroyed half of our wetlands. NDCC for the strengthening of our foundation brought Omar Abedin's talk, Project Director National Incubation Center, Karachi for his thoughts related to environmental degradation. His words stating only with healthy ecosystems can we enhance people's livelihoods, counteract climate change and stop the collapse of biodiversity enforced the cause like never before.

Learn to Design your Future

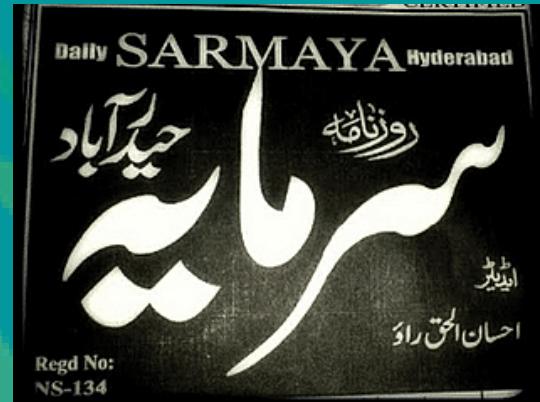
Successfully organized an intensive two-day workshop on learning ETABS. This workshop was focused on aiding with hands-on exercise on designing buildings and understanding how they can be made green from structural point of view.



Instructor:
Muhammad Hasan
Arif, a seasoned
Structural Engineer
with an experience
of more 7.5 years in
designing, Manager
Q/C in a US based
firm



OUR MEDIA PARTNERS

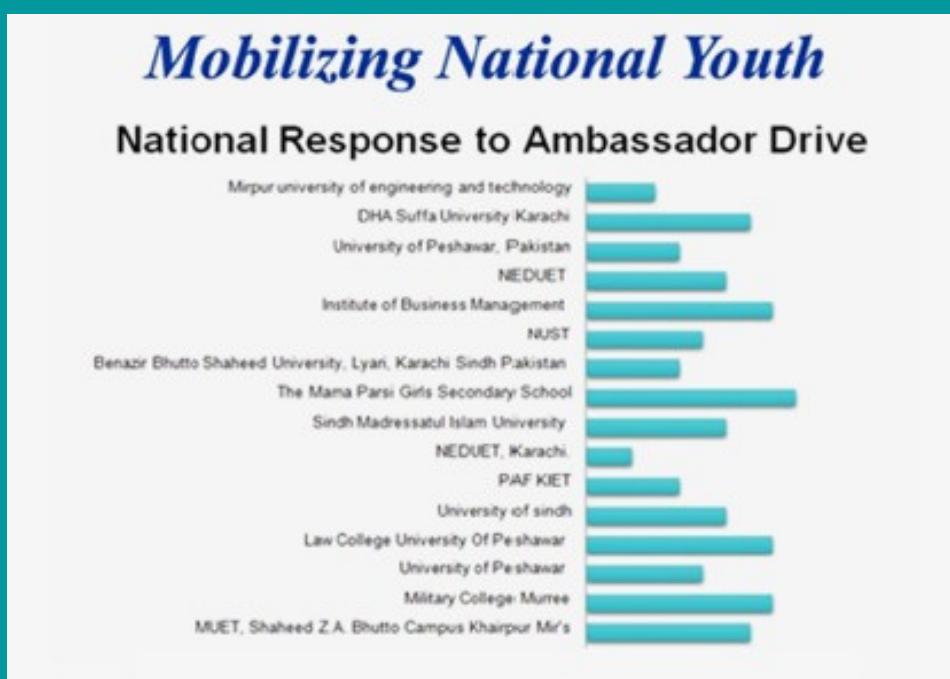
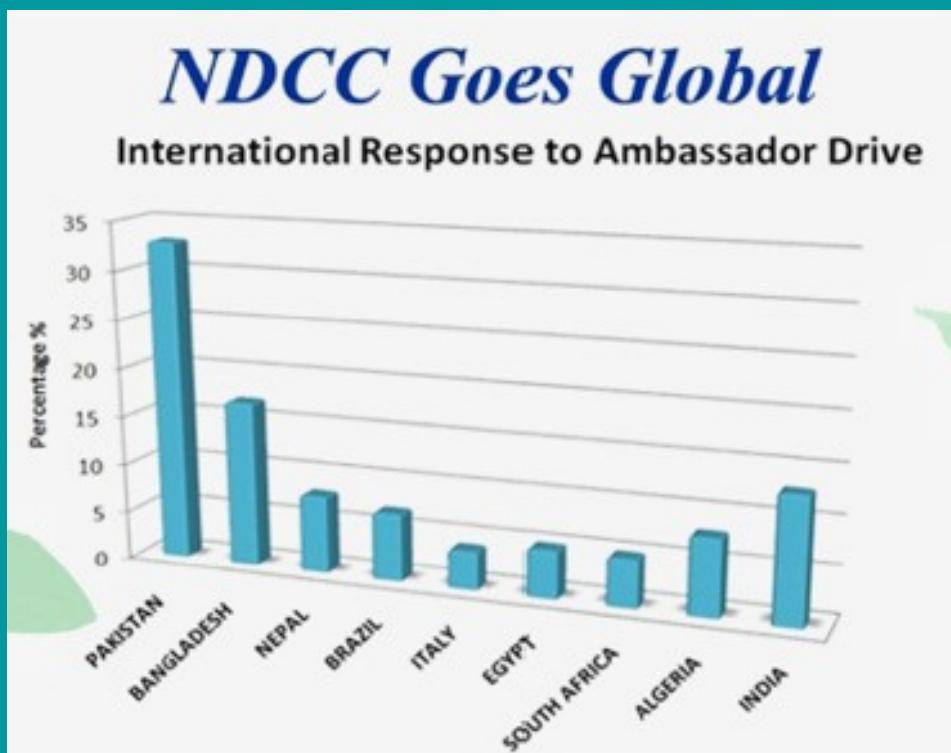


OUR Former ESTEEMED Support PARTNERS



GLOBAL REACH

20+ National and
International Ambassadors





Ministry of Information
Technology & Telecom
Government of Pakistan



ignite
NATIONAL TECHNOLOGY FUND

