

Short Course | Climate Resilience| Incubation Hub | July 17th-27th, 2023, SZABIST, Karachi

**Women-Led Climate Resilience
Prototypes Development
July 17th -27th, 2023, 10.00am – 3.00pm**

The Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) is a fully Chartered Institute established through a Legislative Act of the Sindh Assembly (Sindh Act No. XI of 1995) and is approved and recognized by the Higher Education Commission (HEC), Pakistan. Public Health Department at SZABIST is designed for highly motivated professional who intend to become public health professionals to transform lives and improve health status of populations in a changing world.

Dear Students,

The Department of Public Health, SZABIST in collaboration with Pathfinder International is pleased to announce a short course on Women-Led Climate Resilience. Brief course information is given below for your reference.

About the Course

The course is designed to enable public health and other professionals in developing a scientifically sound and practical approach to identify challenges and their effective solutions related to Climate Change and Resilience especially focusing on Agency of women. This course also focuses on the development of an innovative idea related to people experience and their response to climate-related security risks. This is a specially designed, in-campus offered at SZABIST, Karachi Campus.

Goal

The course aims to provide an opportunity to explore climate risks, their effects on vulnerable communities, and the role of women-led climate resilience in mitigating/ addressing disasters caused by extreme weather events. This will be achieved through education via this short course, iterative prototype development of good ideas through a university-led competition/ workshop, and inducting stand-out prototypes into a climate incubator for further development alongside leading climate-action practitioners. Winning ideas will go on to be tested/ deployed in communities most vulnerable to climate risk.'

Course Objectives

By the end of the course, the participants will be able to:

1. Understand climate risks, and mitigation through women-led climate resilience
2. To design prototypes should they wish to pursue further

Educational Strategies

The basic educational strategy will be accomplished through lectures, tutorials, and project development. The participants' learning is evaluated through student presentations at end of the course as well as on the basis of project assignment.

Project Development

Through this exercise participant acquire hands on experience of applying concepts and skills learned to address an identified innovative idea related to Climate Change and Climate Resilience.

Pre-course Task

Participants are required to identify the relevant issues related to Climate Change and Climate Resilience and prepare in advance the background information that can be utilized while identifying innovative ideas.

Credit

This is a certificate –Based Course.

Who Should Attend

Students of SZABIST who can be the junior and mid-management level personnel of public and private organizations who are interested in the basic concepts of Climate Change and Climate Resilience.

Medium of Instruction

As English is the exclusive language of instruction, participants must be comfortable to read, write and speak in English language.

Course Incentives

The course material, refreshment, and simple lunch during working hours will be provided.

Submission Date of Applications

Participants will be selected on first come first serve basis. Kindly send brief CV latest by **July 14th, 2023** to Mr. Waqas Ahmed, Program Support Officer, Department of Public Health, SZABIST Karachi, E-mail: waqas.ahmed@szabist.edu.pk

We are open to any query from you.

Best Regards,

Course Director

Dr Sameera Ali *Assistant Professor*

HOD & Program Manager MSPH, Department of Public Health

SZABIST, Karachi. **Email:** Dr.sameera.rizvi@szabist.edu.pk

Course Coordinator

Dr Nida Shoaib, *Lecturer, Program Manager*, Department of Public Health, SZABIST, Karachi

Email: Nida.shoaib@szabist.edu.pk

Support Team:

Mr. Waqas Ahmed, Department of Public Health, SZABIST Karachi,

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Course Outline

Women-Led Climate Resilience
July 17th -27th, 2023, 10.00am – 3.00pm
SZABIST Karachi Campus

Week 1: Theory, in depth discussions and exploring innovative ideas

1. Crisis Response and Recovery for climate change-Current Situation

- a. Current practices in the recent floods at a District level.
- b. Creating safe and empowering public spaces for women and girls. Impact of extreme climate on women and children.
- c. Women's Empowerment for Resilient and Adaptation against Climate Change- Possible solutions

2. Environmental issues and impact assessment

- a. Climate and environmental change, focusing on the human influences and societal consequences of climate change.
- b. Theoretical background to environmental science, environmental impact assessment
- c. Monitoring, modeling and mapping environmental data and managing environmental problems associated with various human activities.

3. Risk Analysis for Disasters

- a. Fundamentals of Risk, Disasters and Resilience
- b. Methods and techniques for analyzing risk, vulnerability and exposure
- c. Critical Cases in Risk, Disasters and Resilience
- d. Hazard projections – Situational Reports of Flood 2022 by Provincial Disaster Management Authority (PDMA).

4. Action for Climate Empowerment (ACE)

- a. Climate change education and public awareness
- b. Role of Media in Public access to information
- c. Integrating Social and Behavior Change(SBCC) in Climate
- d. Facts and figures: benefits of economic empowerment
- e. Gender-smart climate disaster risk finance and insurance solutions

5. Gender Equality, Risk and Resilience for Climate Change

- a. Women's Leadership in disaster risk reduction
- b. Addressing gender gaps in disaster risk reduction and Resilience
- c. Gender-responsive disaster risk reduction-Role of Academia and Research

6. Participation of Women in the Economy Realized (power)

- a. Women and girl's economic Participation and empowerment
- b. "Access, usage, and agency country assessment toolkit" for women's and girls' financial inclusion/ Facts and figures: benefits of economic empowerment
- c. Gender-smart climate disaster risk finance and insurance solutions

7. Designing prototypes creating supporting/enabling resilient against extreme weather

a. Housing and living conditions
b. Food security and food preservation
c. Hygiene Practice and Waste Management
d. WASH-Water, sanitation and Hygiene(safe drinking water & Toilet
e. Health –Prevention and control of outbreaks
Week 2: Application and Hands on experience for the developed/proposed prototypes
a. Focus Group Discussion, in-depth interviews
b. Field visits and community perception
c. Project Presentations by Participants
Dissemination Seminar
Voices of Climate experts from DoH, Development sector, Academia & PDMA
Presentations of Selected Participants
Development of a report: Highlighting potential areas for resilience during climatic changes

Course Schedule

Women-Led Climate Resilience
July 17th -27th, 2023, 10.00am - 3.00pm
SZABIST, Karachi, Campus

DAY/DATE	TIME	SESSIONS	FACILITATOR
Week 1	Fundamentals of Risk, Disasters and Resilience		
Day 1 Monday July 17 2023	9.30-10.00	Course Registration	Mr.Waqas Ahmed
	10.00 – 11.00	Welcome & Introduction Course Introduction: overview, scope & evaluation of the course Important housekeeping information	Dr. Sameera Ali & Dr. Nida Shoaib
	11.00-12.00	Identifying Vulnerable Communities – Effect of Climate Changes- Context Setting Livelihood, social entrepreneurship	Dr. Nida Shoaib
	12.00 – 13.00	<i>Lunch Break</i>	
	1.30 – 3.00	Introduction - Project development	Dr. Sameera Ali & Dr. Nida Shoaib
	Crisis Response and Recovery for Climate Change-Current Situation		
Day 2 Tuesday July 18 2023	10.00 – 11.00	Current practices in the Floods 2022 at District level.	Rabia PPHI & Dr. Nida Shoaib
	11.00-12.00	Safe public spaces for women, girls and children during floods.	
	12.00 – 1.00	Women Empowerment for Resilience and Adaptation against Climate Change Health (FP/MNCH, WASH, Nutrition), referral linkages	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Discussion - Project Development Design Prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib
Day 3 Wednesday July 19 2023	Environmental issues and Impact Assessment		
	10.00 – 11.00	Human influences and societal consequences of climate change.	Sarwat/Kausar & Dr Nida
	11.00-12.00	Environmental Impact Assessment Tool	
	12.00 – 1.00	Monitoring, modelling and mapping environmental data	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Discussion - project development design prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib
	Risk Analysis for Disasters		
Day 4 Thursday	10.00 – 11.00	Methods and techniques for analyzing risk, vulnerability and exposure	Jai Das & Dr Sameera Ali

July 20 2023	10.00-11.00	Critical Cases in Risk, Disasters and Resilience – Case Report	
	12.00-1.00	Hazard projections – Situational Reports of Flood 2022 by Provincial Disaster Management Authority (PDMA).	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Discussion - Project Development design prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib
Action for Climate Empowerment (ACE)			
Day 5 Monday July 24 2023	10.00-11.00	Climate change education and public awareness	Mehwish Zehra/Dr Asefa
	11.00-12.00	Role of Media in Public access to information	
	12.00-1.00	Integrating Social and Behaviour Change (SBCC) in Climate	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Presentations- project development design prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib
Gender Equality, Risk and Resilience for Climate Change			
Day 6 Tuesday July 25 2023	10.00-11.00	Women & Community Leadership in disaster risk reduction Attitudes: health-seeking behaviour, climate-specific awareness/ responsiveness	Dr Sarwat Mumtaz/ Dr. Nida Shoaib
	11.00-12.00	Addressing gender gaps in disaster risk reduction and Resilience	
	12.00-1.00	Gender-responsive disaster risk reduction- Role of Academia and Research	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Presentations - project development design prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib
Participation of Women in the Economy Realized (power)			
Day 7 Wednesday July 26 2023	10.00-11.00	Women and girl’s economic Participation and empowerment financial literacy/ inclusion, gender mainstreaming	Dr Asher
	11.00-12.00	Women’s and girls’ financial inclusion – Assesment Tool Kit	
	12.00-1.00	Gender-smart climate disaster risk finance and insurance solutions	
	1.00 – 2.00	<i>Lunch Break</i>	
	2.00 – 3.00	Presentations - project development design prototypes	Dr. Sameera Ali/ Dr. Nida Shoaib

Application and Hands on experience for the developed/proposed prototypes – Field Visit			
Day 8 Thursday July 27 2023	08.30	Arrival at campus	
	11:00 – 2.00	Field visit and community perception Focus Group Discussion, in-depth interviews	Public Health Faculty
	3.00	Return to Campus	

SESSION FACILITATORS

SAR; Sameera Ali Rizvi

NS; Nida Shoaib

SM; Sarwat Mumtaz

AS: Asifa Sharique

Faculty from Media, Biosciences and Mechatronics