



DIPLOMA IN DISASTER RISK MANAGEMENT (IN COLLABORATION WITH ERRA)



**SHAHEED ZULFIKAR ALI BHUTTO
INSTITUTE OF SCIENCE AND TECHNOLOGY
ISLAMABAD CAMPUS**

www.szabist-isb.edu.pk

RECOGNITION

Earthquake Reconstruction and Rehabilitation Authority (ERRA) was established on 24th October 2005 to rehabilitate and reconstruct the nine districts of KP and AJ&K that were destroyed by the unprecedented earthquake of October 8, 2005.

Besides constructing 600,000 earthquake resistant houses, ERRA has so far completed 8,500 projects in various sectors out of a total of 14,095 projects. By doing so it has proved that countries can build resilience by investing in simple, well known measures to reduce risk and vulnerability.

With a mission to convert adversity into opportunity and to Build Back Better, ERRA has secured the prestigious UN Sasakawa Award for its outstanding performance; it has also been awarded with ISO 9001-2008 Certification in recognition of its ISO compliant quality management systems and operating procedures.

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, as a degree granting institution.

SZABIST has campuses in Karachi, Islamabad, Larkana and Dubai (UAE). SZABIST is a registered member of the International Association of Universities (IAU), Paris; Association of Commonwealth Universities (ACU), London; Federation of the Universities of Islamic World (FUIW) Rabat; Asia University Federation (AUF), Seoul; and the Association of SAARC Universities (ASU).

Business Week, the leading international business magazine, has listed SZABIST among the best business schools of the world for five consecutive years (2001, 2002, 2003, 2004, 2006). SZABIST is one of the top 20 business schools from Asia recognized by Business Week. Only two business schools from Pakistan are listed in Business Week.

Asia Inc, a leading Asian Magazine, has ranked SZABIST among the top MBA Schools of South Asia in its Asia's Best MBA Schools Survey for two consecutive years (2003, 2004). SZABIST is one of the top 15 business schools from South Asia ranked in Asia Inc.

SZABIST is also ranked among the best Science and Technology and MBA schools in Asia by the CNN-Time publication Asia week. SZABIST is also listed in the CNN Executive Education Schools. SZABIST thus has the unparalleled honor of being the only Pakistani Institute to be recognized internationally by Business Week, Asia week, Asia Inc. and CNN.

SZABIST has signed Articulation Agreements with the University of Wales Newport, UK and the University of Northampton, UK. SZABIST has also signed MoUs with the State University of New York, USA; University of London, UK; Philippines Women University, Philippines; and the Asian Academy of Film & Television, India.

AIM

SZABIST in collaboration with Earthquake Recovery and Rehabilitation Authority (ERRA) is launching Diploma in Disaster Risk Management. The Diploma aims at developing requisite capacity building of professionals and individuals to analyze, plan, implement, and monitor plans and procedures to mitigate the effects of Disaster.

OBJECTIVE OF THE DIPLOMA

- a. Develop an understanding of the disaster, multifaceted effects of disaster, and response to disaster through prevention, mitigation, recovery, and rehabilitation.
- b. Develop requisite competence to effectively plan, implement, monitor and evaluate disaster risk management plan.
- c. Critically analyze the contemporary disaster risk management perspectives and draw appropriate lessons to make own response more efficient and effective.
- d. Understand and develop integrated mechanism for an effective response strategy based on public and private partnership.
- e. Develop organizational competence to effectively respond to disasters.

ADMISSION CRITERIA

The candidate should be minimum Graduate (minimum fourteen years of education in any discipline).

WHO SHOULD ATTEND?

- Representatives of profit and nonprofit organizations, students, potential volunteers to work in disaster related fields, and representative of general public.
- 3 x credit hours shall be transferable to normal academic programs in SZABIST for all students undertaking this course.

FEES

- a. Registration Fee: Rs: 10,000/00
- b. Tuition Fee: Rs: 28,500/00 (Diploma), and Rs: 14250/00 (Certificate)
- c. Discount of 5% shall be provided in case of five or more nominations from organization and for SZABIST alumni/students.

DURATION OF THE DIPLOMA COURSE

The duration of the course shall be 4 months (16 weeks) based on 96 contact hours. There will be two classes of 3 hours each. The days and timings are flexible, weekends/weekdays. The admission shall take place thrice a year.

COURSE PROFILE

The course is based on six modules as follow:

Module 1 - Introduction to Disasters

- Natural Disasters(Nature/Types/Categories/ Causes)
- Manmade Disasters(Nature/Types/Categories/ Causes)
- Climate Change (Terminologies/Green house gas effect/Climate change adaptation/Climate classification)
- International treaties on climate change/ Mitigation Measures
- National Legal Framework

Module 2 - Introduction to Disaster Management

- Terminologies (Hazard, vulnerability, Capacity, Risk, Risk Reduction, Risk Management & Difference between Disaster, Emergency and Crises)
- Why Disaster Management (Phases of Disaster Management)
- Principles of Disaster Management
- Preparation of Disaster Management Plan
- Disaster Management Organizations & their Role

Module 3 - Disaster Impacts and Their Management

- Economic Effects and Their Management
- Social Effects and Their Management
- Psychological Effects and Their Management
- Public Awareness and Warning
- Roles and Responsibilities of Various Stake Holders
- Midterm Examination

Module 4 - Disaster Risk Reduction

- Identifying the Risk
- Assessing the Risk
- Rating the Risk
- Treating the Risk
- A Comprehensive View of Risk Reduction

Module 5 - Disaster Response

- Response and Relief Operations
- Rescue and Early Recovery Operations
- Rehabilitation, Reconstruction & Sustainable Development
- Community Based Disaster Risk Management (CBDRM) & Mainstreaming Disaster Risk Reduction(DRR)
- Monitoring and Evaluation

Module 6 – (Project – Field Work)

- Group Project
- Workshop/seminar on DRM
- Field Trip to Earthquake Affected Area (EAA)
- Final Examination



METHODOLOGY

A diversified methodology shall be undertaken based on lectures/ discussions, case studies, workshop, seminar, interactive sessions with expert guest speakers, field visit to disaster affected area(s), and project.

Certificate Courses in Disaster Risk Management

Available on completion of first three modules.

LIBRARY

The SZABIST library contains a rich collection of books on most information technology & business topics. The library subscribes to a number of Magazines & Journals to update students' knowledge on the current developments taking place nationally and internationally. The library is also linked to the full text online academic journals through the HEC digital library access. In addition, the library subscribes to a number of Digital On-line libraries through which students can access an unlimited number of journals and magazines.

Apart from the printed books and journals, the SZABIST Library has developed "e-books library" to meet the information challenges of 21st century. In e-books library, we have the full text access to the thousands of books. We have recently established PepsiCo Centre, Urdu Corner, Quid-e-Awam / SMBB Corner and Centre for Corporate Strategy & Governance with the collection of 1500 books. Study Room has been established to facilitate students to carry out discussion sessions. Audio/Video section has been established keeping demand of faculty and students. In this regard 40' LCD TV has been installed to facilitate an academic requirement. Library has also a rich collection of video lectures on the variety of subjects.

FACULTY

Following experts from ERRA who have vast experience in planning, implementing, monitoring and evaluating Disaster Risk Management shall be part of the Instruction Team:

Mr. Muhammad Akmal Khan, Deputy Director General KMC, ERRA

Mr. Israr Ayub, Director Linkage, KMC, ERRA

Mr. Akhtar Ahmed, DRR Expert, ERRA

Most of the SZABIST faculty has PhD and postgraduate degrees with years of experience in the academic and corporate world. Details of faculty qualifications and experience can be found on the SZABIST website.

Dr. Muhammad Asif Khan, Coordinator Diploma Program

PROGRAM MANAGERS

Dr. Muhammad Asif Khan, PhD HRD (NUML), Program Manager MBA \BBA

Dr. Bakhtiar Ali, PhD-MS (NUML), Program Manager PhD (Management Sciences)

Dr. N. R. Ansari, Software Engineering (Austria), Research Analyst / Program Manager PhD (Computing)

Dr. Sajid Hussain Awan, PhD HRD (NUML), Program Manager MS (Management Sciences)

Mr. Muhammad Nadeem Khokhar, MS-Computer Information Systems (USA), Program Manager MS (Computing, Mobile & Ubiquitous Computing)

Dr. Ghulam Taqi Bangash, PhD International Relations (UOP) (Fulbright Scholar), Program Manager MS (Social Sciences & Development Studies)

Mr. Imran Qamar, MBA (University of Wisconsin, USA), Program Manager EMBA / PMBA / MHRM

Mr. Amer Riaz Qureshi, MS - Industrial Engineering (University of Southern California, USA), Program Manager MS (Project Management)

Mr. Farid Zafar, MS (SZABIST, Islamabad), Program Manager MPM

Dr. Rashida Qureshi, PhD (Sociology) Kansas State University, USA, Program Manager BS (Social Sciences)

Mr. Zubair Ahmed, MS-Software Engineering (DCU, Ireland), Program Manager BS (Computing, Mobile & Ubiquitous Computing)

Mr. Sanaullah Ansari, MS (SZABIST, Islamabad), Program Manager BS (Accounting & Finance)

Mr. Wajid Zulqarnain, M. Phil Mass Communication (University of the Punjab, Lahore), Program Manager BS (Media Sciences)

OTHER PROGRAMS AT SZABIST

SZABIST also offers the BS (Computing), BS (Media & Communication Studies), BS (Social Sciences), BS- (Accounting & Finance), BS- (Mobile & Ubiquitous Computing), MBA, EMBA, PMBA, MPM, MHRM, MS (Computing), MS (Mobile & Ubiquitous Computing), MS (Management Sciences), MS (Social Sciences), MS (Developmental Studies), MS (Project Management), and PhD (Management Sciences & Computing) Programs. Separate brochures of these programs are available at the Admission Office.

EXECUTIVE DEVELOPMENT CENTRE

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**For class schedule and further information please log on to:
www.szabist-isb.edu.pk**

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